

SUNWAY®

PUSHING THE FRONTIERS OF SUSTAINABLE DEVELOPMENT

#Sunwayforgood



SUSTAINABILITY REPORT 2017



PUSHING THE FRONTIERS OF SUSTAINABLE DEVELOPMENT

For more than four decades, sustainable development, including socio-economic goals has been integral to our business framework as we expand our presence worldwide and work towards a sustainable future.

Committed to the United Nations Sustainable Development Goals (UNSDGs), Sunway continues to align its business model, operating strategies and corporate culture with sustainable practices and solutions in line with the UNSDG agenda.

Over the years, as we have grown to become one of Malaysia's largest conglomerates, we have woven the concept of sustainable development into the very fabric of the Sunway Group and its related entities. This report takes you through our journey in delivering a positive and far-reaching impact on the planet and its people as we continue to Push the Frontiers of Sustainable Development.

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BOLD AND DYNAMIC STEPS FOR A NEW APPROACH TO REPORTING

ORGANISATIONAL CONTEXT

The United Nations (UN) has called for governments, the private sector, civil society and the community to be part of the new sustainable development agenda. While addressing the United Nations Sustainable Development Summit in September 2015, our Prime Minister, Dato' Seri Mohd. Najib Tun Abdul Razak reaffirmed Malaysia's commitment to supporting and implementing the 2030

Agenda for Sustainable Development and its UNSDGs.

Malaysia is now embarking on the 11th Malaysia Plan, a five-year development plan from 2016 to 2020. In many aspects, the plan mirrors the multi-dimensional nature of the UNSDGs and has been formulated with the people at the centre of all development efforts.



Most recently, Malaysia has started engaging with all segments of society at an unprecedented scale in preparation for the new national aspiration vision (2020-2050), Transformasi Nasional 2050 (TN50). This overarching vision of making Malaysia a top 20 nation in economic development, social advancement and innovation is another advancement towards achieving the UNSDGs.

Sunway and Malaysia as a whole have made significant progress on all UNSDGs. As one of Malaysia's largest conglomerates with 12 business divisions, we have invested millions of Ringgit in realising these goals.

SCOPE OF REPORT

SUSTAINABILITY CONTEXT

In structuring this report, we are mindful that the Global Reporting Initiative (GRI) Standards and Bursa Malaysia Sustainability Framework remain the most widely used sustainability reporting guidelines. We have also aligned our initiatives with the 17 UNSDGs for easy navigation of Sunway's sustainability journey.

REPORTING PERIOD

1 January 2017 to 31 December 2017 (unless otherwise specified)

REPORTING CYCLE

Annually

COVERAGE

This report covers Sunway Berhad, a public listed entity, and its subsidiaries. We have reported on the divisions of Sunway Berhad including Real Estate, Construction, Retail, Hospitality, Leisure, Healthcare, Education, Commercial, Real Estate Investment Trust (REIT), Trading and Manufacturing, Quarrying and Building Materials. More detailed information on Sunway's divisions and subsidiaries can be found in the Group Corporate Structure section of this report. References to 'Sunway', 'Sunway Group', 'the Company', 'the Organisation', 'the Group' and 'we' refer to Sunway Berhad and/or its divisions and subsidiaries.

We also report the activities of the Jeffrey Cheah Foundation (JCF). Established in March 1997 as the Sunway Education Trust Fund, it was converted to JCF in March 2010. JCF owns and governs the 16 educational institutions and entities of Sunway Education Group. The ownership and equity of the learning institutions, valued at more than RM1 billion today, were transferred to JCF, in perpetuity. Undoubtedly, JCF would not be in existence today without the selfless contributions made by Sunway and its Founder and Chairman, Tan Sri Dato' Seri Dr Jeffrey Cheah AO, (to be henceforth referred to as Tan Sri Dr Jeffrey Cheah AO). We have also included some initiatives from Sunway REIT. Sunway Berhad is the majority shareholder in public listed Sunway REIT.

Group data and information are presented whenever possible. However, initiatives and/or data by particular divisions or subsidiaries have been highlighted as indicated in the text.

REFERENCES AND GUIDELINES

PRINCIPAL GUIDELINE

Global Reporting Initiative (GRI) Standards

ADDITIONAL GUIDELINES

- Bursa Malaysia's Sustainability Reporting Guide
- United Nations Sustainable Development Goals
- International Organisation for Standardisation (ISO) 26000:2010 Guidance on Social Responsibility
- FTSE4Good Bursa Malaysia Index and other local and international sustainability ratings
- Judges' comments from various sustainability reporting awards

MATERIALITY AND RELEVANCE OF INFORMATION DISCLOSED

We engaged an external consultant to conduct a comprehensive materiality study with all divisions, stakeholder groups and our Board of Directors. The study identifies the economic, social and environmental topics that are aligned with our #Sunwayforgood agenda and should be prioritised in our reporting.

FEEDBACK

This report is available to all stakeholders in hard copy on request. Alternatively, it can be downloaded from our corporate website www.sunway.com.my.

For further information, please contact:

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Group Brand Marketing & Communications,
Sunway Group,
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47500 Subang Jaya, Selangor Darul Ehsan,
Malaysia.
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Fax:+603 5639 9502



MESSAGE FROM THE FOUNDER AND CHAIRMAN

My views on sustainability were shaped during my formative years growing up in the small town of Pusing in the northern state of Perak in Peninsular Malaysia. I witnessed the effects of poverty on families and how it closed off avenues for advancement, particularly in children's education. Pusing, back then, was largely a tin mining town. You could not fail to notice the ugly scars on the landscape left by disused mining pools. Poverty and environmental degradation, thus, are not abstract concepts for me, but part of my personal experience.

These views shaped my entrepreneurial career. Four decades ago, the area where Sunway City now thrives was a barren land of disused and abandoned mining pools. Sunway City is now home to a vibrant community of more than 200,000 people living, working, playing and studying in a safe, healthy and connected environment in Malaysia's first integrated township. Apart from residential units, it houses 10 educational institutes and entities including three universities, hotels, one of Malaysia's largest malls, a medical centre and Malaysia's first theme park. More than

25,000 trees have been transplanted here and a complete eco-system restored. Today, you can find more than 150 species of flora and fauna within the township. Sunway has also constructed the Bus Rapid Transit line via a public-private partnership with electric buses running on specially designed elevated bus lanes. Almost 50% of the city is open space and 24% of the city is green space. Both of these figures are well above the regulated minimum.

All these achievements reflect how sustainability is an integral part of Sunway's DNA and our business strategy. However, we can always do more, especially with the calling from the United Nations' Sustainable Development Goals (UNSDG) to protect our planet and its people over the coming years. By committing to the UNSDGs, we recognise the importance our business will play in achieving this ambitious agenda and have called on all business units to give it their full support. This sustainability report helps explain how Sunway supports each UNSDG.

Sunway is a diverse group of companies whose operations span the world. Our contribution is critical to achieving the UNSDGs — both domestically and internationally — through responsible business operations, new business models, investment, innovation, technology and collaboration.

Our businesses already contribute to the UNSDG agenda in many ways. Our operations, products, services and resources drive economic growth through investment, employment and innovation. We strive to reduce our environmental footprint, strengthen relationships with communities and create a positive impact through our activities and supply chains. We recognise the importance of gender equality, diversity and inclusiveness. We also forge partnerships to strengthen our contributions and outcomes for local communities in the regions where we operate.

As a 'Master Community Developer', we recognise that no corporation can stand apart from the community it serves. We invest in job creation projects and work hard to fill those jobs with local people. Meritocracy rules in our workplace and we have created an inclusive workplace for all irrespective of race, religion, age or gender.

Education is particularly close to my heart. It stems from my conviction that education offers the best route out of poverty, a belief that came from witnessing the poverty in my hometown. The Jeffrey Cheah Foundation (JCF), which is now valued at more than RM1 billion, is Malaysia's largest education-focused social enterprise. Operating surpluses are reinvested into the Foundation and disbursed as scholarships and research grants. The JCF has given more than RM330 million to deserving students in the form of scholarships as of 2017.

In 2017, JCF also endowed US\$ 10 million to the UN Sustainable Development Solutions Network to establish the Jeffrey Sachs Center on Sustainable Development at Sunway University. The centre helps mobilise comprehensive collaboration, particularly by Southeast Asian nations, to work coherently towards achieving the UNSDGs. The Jeffrey Sachs Center serves as a central hub for research and policy practice. It develops world-class academic and executive education programmes that will train a new generation of students, practitioners and policy leaders.

I am also thrilled to share another important initiative I am working on with my great colleagues. Technology is being integrated even more deeply to establish Sunway City as a model 'smart sustainable city' of the 21st century. We have implemented a whole range of energy-saving and efficiency measures within the City. We also built a combined generation plant for Sunway City. Generating

electricity from natural gas further reduces our carbon footprint. In 2017, we also completed the construction of our own water treatment plant. The first of its kind in Malaysia, the plant purifies water from a local urban lake to meet potable water standards set by the Ministry of Health. I look forward to sharing with you our progress on the Sunway Smart Sustainability City project in the next sustainability report.

We are committed to ensuring that Sunway remains at the forefront of sustainability leadership in the region. This demands a culture where responsible business behaviour is integral to everything we do. Employees must feel engaged in actions that have the potential to catalyse change at scale. By participating in the UN Global Compact and incorporating the UNSDGs into our strategies, we will continue to invest in these priority areas and work together with governments, academia, communities, sustainability advisors and other stakeholders.

The next generation of sustainability within Sunway will be defined by our ability to engage internal and external stakeholders in responsible actions that deliver societal value while supporting a clear growth strategy: in other words, #Sunwayforgood.

I would like to take this opportunity to thank all of you for your support, expertise and commitment in helping Sunway realise its role as a trusted partner in building a more sustainable future. I look forward to having you join us in our goal of Pushing the Frontiers of Sustainable Development.

At Sunway, we recognise that realising the SDGs is not the sole responsibility of governments alone. It requires the commitment of all sectors of society - the private sector, academia, civil society, and of course, every single individual.

We are all in this together.

Tan Sri Dato' Seri Dr Jeffrey Cheah AO
Founder and Chairman

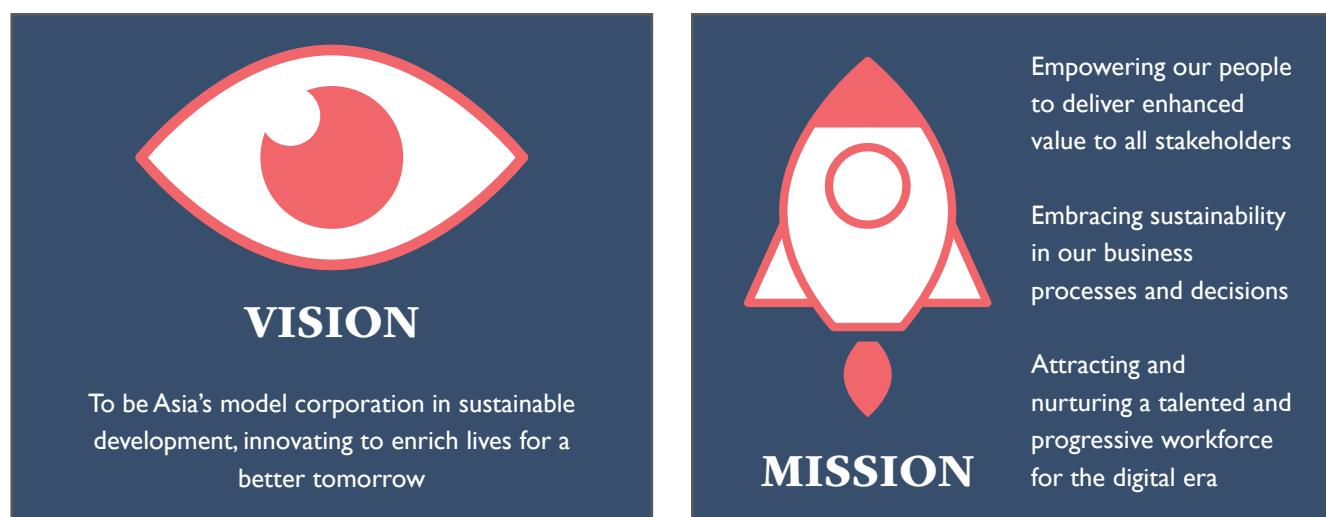


ABOUT SUNWAY

Established in 1974, Sunway Group is one of Malaysia's largest conglomerates with core interests in property, construction, education, healthcare and retail in Malaysia with 12 business divisions across 50 locations worldwide and a 15,000-strong employee base. Our businesses divisions encompass Real Estate, Construction, Hospitality, Retail, Leisure, Commercial, Trading and Manufacturing, Building Materials, Quarrying, Healthcare, Education and REIT.

In 2017, Sunway Group has reclassified its listing status from the Properties counter to the Trading/Services counter on the Main Board of Bursa Malaysia Securities. This reclassification better reflects Sunway's strength as a conglomerate with diverse yet complementary businesses that are mostly in leadership positions in their respective sections.

Sunway Group continues to champion CSR through #sunwayforgood, which includes our commitment to creating value for the people while conserving the planet and generating sustainable profit.



WHAT WE DO



GROUP CORPORATE STRUCTURE

PROPERTY DEVELOPMENT

- Sunway Integrated Properties Sdn Bhd
- Sunway South Quay Sdn Bhd
- Sunway PKNS Sdn Bhd
- Sunway D'Mont Kiara Sdn Bhd
- Sunway City (Penang) Sdn Bhd
- Sunway Bintang Sdn Bhd
- Sunway City Properties Sdn Bhd
- Sunway City (Ipoh) Sdn Bhd
- Sunway Tunas Sdn Bhd
- Sunway Semenyih Sdn Bhd
- Sunway City (JB) Sdn Bhd
- Sunway Iskandar Sdn Bhd *
- Sunway Iskandar Development Sdn Bhd *
- Sunway Monterez Sdn Bhd
- Sunway Grand Sdn Bhd
- Sunway Melawati Sdn Bhd
- SunwayMas Sdn Bhd
- Sunway Termuning Sdn Bhd
- Sunway Rawang Heights Sdn Bhd
- Sunway Kanching Heights Sdn Bhd
- Sunway Bangi Sdn Bhd
- Sunway Eastwood Sdn Bhd
- Sunway Kiara Sdn Bhd
- Sunway Subang Sdn Bhd
- Sunway Serene Sdn Bhd
- Sunway Marketplace Sdn Bhd *
- Sunway Parkview Sdn Bhd *
- Sunway Seafront Sdn Bhd *
- Sunway Velocity Two Sdn Bhd *(Formerly known as Austral Meridian Property Sdn Bhd)
- Sunway Kinrara Sdn Bhd
- Hoi Hup Sunway Development Pte Ltd *#
- Hoi Hup Sunway J.V. Pte Ltd *#
- Hoi Hup Sunway Property Pte Ltd *#
- Hoi Hup Sunway Miltonia Pte Ltd *#
- Hoi Hup Sunway Tampines Pte Ltd *#
- Hoi Hup Sunway Yuan Ching Pte Ltd *#
- Hoi Hup Sunway Pasir Ris Pte Ltd *#
- Hoi Hup Sunway Novena Pte Ltd *#
- Hoi Hup Sunway Mount Sophia Pte Ltd *#
- Hoi Hup Sunway Sengkang Pte Ltd *#
- Hoi Hup Sunway Clementi Pte Ltd *#
- Sunway Land Pte Ltd #
- Sunway Australia Unit Trust #
- Sunway Opus International Private Limited *#
- Sunway MAK International Private Limited *#
- Sunway Guanghao Real Estate (Jiangyin) Co. Ltd #
- Tianjin Eco-City Sunway Property Development Co. Ltd *#
- Associated Circle Sdn Bhd
- Commercial Parade Sdn Bhd
- Bisikan Seni Sdn Bhd
- Imbasan Intisari Sdn Bhd
- Tidal Elegance Sdn Bhd
- Emerald Freight Sdn Bhd
- Park Symphony Sdn Bhd
- Winning Excellence Sdn Bhd
- Contemporary Factor Sdn Bhd
- Prosper Revenue Sdn Bhd
- Sunway Belfield Sdn Bhd
(Formerly known as Sunway Innopark Sdn Bhd)
- Sunglobal Resources Sdn Bhd
- Sunway Supply Chain Enterprise Sdn Bhd
- Daksina Harta Sdn Bhd
- Sunway Permai Sdn Bhd

PROPERTY INVESTMENT

- Sunway Pinnacle Sdn Bhd
- Sunway Giza Mall Sdn Bhd
- Sunway Giza Parking Sdn Bhd
- Sunway Destiny Sdn Bhd
- Sunway MUSC Sdn Bhd
- Sunway Monash-U Residence Sdn Bhd
- Sunway Residence Sdn Bhd
- Sunway Pyramid Development Sdn Bhd
- Sunway Velocity Mall Sdn Bhd *
- Sunway REIT Management Sdn Bhd *
- Sunway Real Estate Investment Trust *^
- Sunway PFM Sdn Bhd
- Sunway IFM Sdn Bhd
- Sunway Parking Services Sdn Bhd
- Sunway Mall Parking Sdn Bhd
- Sunway Ambience Sdn Bhd
- Sunway Facility Management Sdn Bhd
- Sunway Symphony Sdn Bhd
- Sunway Century Sdn Bhd
- Rich Worldclass Sdn Bhd
- Sunway Tower I Sdn Bhd
- Sunway Townhouse Sdn Bhd

- Shahawan (M) Sdn Bhd
- Sunway Orient Sdn Bhd
- Sumber Dorongan Sdn Bhd
- Sunway Nexis Parking Sdn Bhd
- Sunway Transit System Sdn Bhd
- Sunway Geo Parking Sdn Bhd
- Sunway REM Sdn Bhd
- Sunway Geo Sdn Bhd

LEISURE

- Sunway Lagoon Sdn Bhd
- Sunway Lost World Water Park Sdn Bhd
- Sunway Lagoon Club Berhad
- Sunway Leisure Sdn Bhd
- Sunway Travel Sdn Bhd
- Sunway International Vacation Club Berhad
- Sunway Healthy Lifestyle Sdn Bhd
- Sunway Leisure Services Sdn Bhd
- Pyramid Bowl Sdn Bhd *

HOSPITALITY

- Sunway Forum Hotel Sdn Bhd
- Sunway Resort Hotel Sdn Bhd
- Sunway Velocity Hotel Sdn Bhd
- Sunway Putra Hotel Sdn Bhd
- Sunway Biz Hotel Sdn Bhd
- Sunway Hotel (Seberang Jaya) Sdn Bhd
- Sunway Lost World Hotel Sdn Bhd
- Sunway International Hotels & Resorts Sdn Bhd
- Kinta Sunway Resort Sdn Bhd
- Sunway Hotel Phnom Penh Ltd #
- Sunway Hotel Hanoi Liability Limited Company with one member #
- Allson International Management Limited #
- Allson International Hotels & Resorts (BVI) Limited #

CONSTRUCTION

- Sunway Construction Sdn Bhd
- Sunway Engineering Sdn Bhd
- Sunway Concrete Products (S) Pte Ltd #
- Sunway Geotechnics (M) Sdn Bhd
- Sunway Precast Industries Sdn Bhd
- Sunway Machinery Sdn Bhd
- Sunway Concrete Products (M) Sdn Bhd

TRADING AND MANUFACTURING

- Sunway Marketing Sdn Bhd
- Sunway Enterprise (1988) Sdn Bhd
- Sunway Hydraulic Industries Sdn Bhd
- Sunway Marketing (East Malaysia) Sdn Bhd
- Sunway Hose Centre Sdn Bhd
- Sunway Marketing (S) Pte Ltd #
- Sunway Marketing (Thailand) Ltd #
- PT Sunway Flowtech #
- PT Sunway Trek Masindo #
- PT Sunway Pacific Flow #
- Sunway Totalrubber Ltd #
- Pacific Flow Technology Pty Ltd #
- Sunway Totalrubber Services Franchising Pty Ltd #
- Sunway Hydraulic Industries (Wuhu) #
- Sunway Trading (Shanghai) Pte Ltd #
- Sunway Daechang Forging (Anhui) Co Ltd #
- Sunway Winstar Sdn Bhd
(Formerly known as Winstar Trading Sdn Bhd)
- Sunway Saf-T Quip Sdn Bhd
(Formerly known as Saf-T-Quip Sdn Bhd)
- Sunway United Star Sdn Bhd
(Formerly known as United Star Engineering & Hardware Sdn Bhd)
- Sunway Hsing Yeat Sdn Bhd
(Formerly known as Hsing Yeat Sdn Bhd)
- Sunway Coating Solutions Sdn Bhd
(Formerly known as Aimstar Marketing Sdn Bhd)
- Jaya DIY Mart Sdn Bhd
(Formerly known as Weld Star Sdn Bhd)

QUARRY

- Sunway Quarry Industries Sdn Bhd
- Sunway Quarry (Kuala Kangsar) Sdn Bhd
- Sunway Quarry Industries (Melaka) Sdn Bhd
- Twinners (Malaysia) Sdn Bhd

BUILDING MATERIALS

- Sunway Paving Solutions Sdn Bhd
- Sunway VCP Sdn Bhd
- Sunway Spun Pile (M) Sdn Bhd
- Sunway Spun Pile (Zhuhai) Co Ltd #

Notes:

This Group Corporate Structure excludes dormant companies.

Overseas company

^ Public listed company

* Associated company / Jointly-controlled entity

GROUP CORPORATE STRUCTURE

HEALTHCARE

- Sunway Medical Centre Sdn Bhd
- SunMed@Homes Sdn Bhd
- SunMed Clinics Sdn Bhd

INVESTMENT HOLDINGS AND OTHERS

- Sunway City Sdn Bhd
- Sunway Holdings Sdn Bhd
- Sunway Holdings (Vietnam) Sdn Bhd
- Sunway Global Limited #
- Sunway Management Sdn Bhd
- Sunway Shared Services Sdn Bhd
- Sunway HR Shared Services Sdn Bhd
- Sunway Leasing Sdn Bhd
- SWL Nominees (Tempatan) Sdn Bhd
- Sunway Elite Sdn Bhd
- Sunway Credit Sdn Bhd
- Sunway Risk Management Sdn Bhd
- Sunway Captive Insurance Ltd
- Gopeng Berhad *^
- SunCity Vietnam Sdn Bhd
- Hochimex Nominee Company Limited #
- Sunway City (S'pore) Pte Ltd #
- Sunway Money Sdn Bhd
- Sunway Real Estate (China) Limited #
- Eastern Glory Enterprises Limited #
- Konsep Objektif (M) Sdn Bhd
- Sunway REIT Holdings Sdn Bhd
- Sunway Treasury Sdn Bhd
- Sunway Treasury Sukuk Sdn Bhd
- Sunway Investment Management Consultancy (Shanghai) Co. Ltd #
- Sunway Hospitality Holdings Limited #
- International Theme Park Pty Ltd #
- Sunway Developments Pte Ltd #
- Fortuna Gembira Enterpris Sdn Bhd
- Hartford Lane Pty Ltd #
- Sunway FSSC Sdn Bhd
- Sunway Labuan Investment Ltd
- Sunway Pals Loyalty Sdn Bhd
- Deco Style Sdn Bhd
- Sunway Design Sdn Bhd
- Sunway Construction Group Berhad ^
- Sunway Pendas Management Sdn Bhd
- Sunway Southern Management Sdn Bhd
- Sunway Pharma Sdn Bhd
- Sunway PopBox Sdn Bhd
- Monumental Productions Sdn Bhd
- Sunway Ventures Sdn Bhd
- Sunway Leadership Centre Sdn Bhd
- Pasir Mas Holdings Sdn Bhd
- Fame Parade Sdn Bhd
- Emerald Tycoon Sdn Bhd
- Sunway Ordera Sdn Bhd
- Sunway (Tianjin) Management Consultancy Co. Ltd. #
- Frontier Acres Sdn Bhd
- Reptolink Sdn Bhd
- Galaxy Avenue Sdn Bhd



Notes:

This Group Corporate Structure excludes dormant companies.

Overseas company

^ Public listed company

* Associated company / Jointly-controlled entity

BOARD OF DIRECTORS



**TAN SRI DATO' SERI DR
JEFFREY CHEAH FOOK LING AO**
Executive Chairman,
Non-Independent Executive Director
Malaysian, Male

DATO' SRI IDRIS JALA
Non-Executive Co-Chairman,
Independent Non-Executive Director
Malaysian, Male



TAN SRI DATUK SERI RAZMAN M HASHIM
Deputy Executive Chairman,
Non-Independent Executive Director
Malaysian, Male

DATO' CHEW CHEE KIN
President,
Non-Independent Executive Director
Malaysian, Male

BOARD OF DIRECTORS



SARENA CHEAH YEAH TIH, S.M.S.

Executive Director
Non-Independent Executive Director
Malaysian, Female



WONG CHIN MUN

Senior Independent Non-Executive Director
Malaysian, Male



LIM SWE GUAN

Independent Non-Executive Director
Singaporean, Male



DATUK SERI YAM KONG CHOY

Independent Non-Executive Director
Malaysian, Male



TAN SRI DATO' DR. LIN SEE YAN
Independent Non-Executive Director
Malaysian, Male



TAN SRI DATUK DR REBECCA FATIMA STA MARIA
Independent Non-Executive Director
Malaysian, Female

NOTES:

1. Family Relationship with Director and/or Major Shareholder

Tan Sri Dato' Seri Dr Jeffrey Cheah Fook Ling who is the Executive Chairman and major shareholder of Sunway, is the father of Sarena Cheah Yean Tih, the Executive Director.

Save as disclosed above, none of the other Directors has any family relationship with any director and/or major shareholder of Sunway.

2. Conflict of interest

(a) Tan Sri Datuk Seri Razman M Hashim is a Director of Berjaya Land Berhad and its subsidiaries, Selat Makmur Sdn Bhd and FEAB Properties Sdn Bhd of which principal activities are similar to Sunway Group, which include property development and investment holding.

(b) Datuk Seri Yam Kong Choy is a Director of Paramount Corporation Berhad, Samalaju Property Development Sdn Bhd and Kwasa Land Sdn Bhd of which principal activity is similar to Sunway Group which include property development.

Save as disclosed above, none of the other Directors has any conflict of interest with Sunway Group.

3. Conviction for Offences

None of the Directors has any conviction for offences within the past 5 years other than traffic offences (if any) nor public sanctions or penalty imposed by the relevant regulatory bodies during the financial year.

4. Attendance of Board Meetings

The attendance of the Directors at Board Meetings held during the financial year ended 31 December 2017 is disclosed in the Sunway Berhad Annual Report 2017 Corporate Governance Overview Statement.

Please refer to the Sunway Berhad Annual Report 2017 for the Corporate Governance Overview Statement.

MANAGEMENT TEAM



DATO' TAN KIA LOKE

Senior Managing Director –
Chairman's Office
Malaysian, Male
Bachelor of Science (Hon) Degree
in Civil Engineering, University of
Strathclyde, United Kingdom



EVAN CHEAH YEAN SHIN

Executive Vice President -
President's Office,
Chief Executive Officer - China
Malaysian, Male
Bachelor's Degree in Commerce
and Bachelor's Degree in Business
Systems, Monash University



CHONG CHANG CHOONG

Chief Financial Officer
Malaysian, Male
Bachelor of Arts (Honours) in
Economics and Accounting,
University of Newcastle Upon Tyne,
England



LEE CHUAN SENG

Chief Executive Officer -
Quarry Division
Malaysian, Male
Chartered Accountant, Chartered
Institute of Management Accountants,
United Kingdom
Masters in Business Administration,
Victoria University of Technology,
Australia



DANNY NG BOON LIANG

Chief Executive Officer –
Building Materials Division
Malaysian, Male
Bachelor of Economics (Business
Administration),
University of Malaya



CHAN HOI CHOY

Chief Executive Officer –
Sunway Shopping Malls and
Theme Parks
Malaysian, Male
Bachelor of Science (Hons) degree in
Managerial and Administrative Studies,
University of Aston,
Birmingham, United Kingdom

**LEE WENG KENG (DR)**

Chief Executive Officer –
Healthcare Division
Malaysian, Male
Bachelor of Economics (Honours)
Degree, University of Malaya;
Masters in Business Administration,
Cranfield University, United Kingdom

**CHUNG SOO KIONG**

Managing Director –
Construction Division
Malaysian, Male
Bachelor of Science (Hons) Degree
in Quantity Surveying, University of
Abertay Dundee;
Diploma in Building (Technology),
Tunku Abdul Rahman College

**WONG FOOK CHAI**

Chief Executive Officer –
Trading and Manufacturing
Division
Malaysian, Male
Bachelor of Engineering (Honours),
University of Malaya

**LAU BENG LONG**

Managing Director - Healthcare
Division
Malaysian, Male
Bachelor of Science (Hons),
Universiti Sains Malaysia;
Masters in Healthcare Administration,
University of New South Wales;
Postgrad Diploma in Public
Administration, National Institute of
Public Administration (INTAN)

**FOO SHIANG WYNE**

Chief Human Resources Officer
– Group Human Resources
Malaysian, Female
Bachelor of Science (Hons) in
Computer Science,
University of Sussex, United Kingdom;
Masters in Business Administration,
Cardiff Business School, United
Kingdom

NOTES:**1. Family Relationship with Director and/or Major Shareholder**

Evan Cheah Yean Shin is the child of Tan Sri Dato' Seri Dr Jeffrey Cheah Fook Ling who is the Executive Chairman and major shareholder of Sunway and he is the sibling of Sarena Cheah Yean Tih, the Executive Director of Sunway.

Save as disclosed above, none of the other Management Team members has any family relationship with any director and/or major shareholder of Sunway.

2. Conflict of interest

None of the Management Team members has any conflict of interest with Sunway Group.

3. Conviction for Offences

None of the Management Team members has any conviction for offences within the past 5 years other than traffic offences, if any. They have not been imposed any penalty by any relevant regulatory bodies during the financial year 2017.

2017 MILESTONES

SUNWAY CONSTRUCTION GROUP BHD

has bagged several contracts to book an all-time high of

RM6.1 billion

as of December 2017

SUNWAY CLINICAL RESEARCH CENTRE

The University of Cambridge, Sunway Medical Centre, Jeffrey Cheah Foundation and Royal Papworth (NHS) Hospital Trust have signed collaboration agreements to establish a joint programme to enable academic exchanges, offer scientific and clinical training opportunities at Cambridge and set up the Sunway Clinical Research Centre as the only regional site partner of The University of Cambridge School of Clinical Medicine.

SUNWAY INNOVATION LABS

was launched this year. The iLabs will function as a start-up incubator and run accelerator programmes, acting as a micro ecosystem that will encourage the development of a start-up ecosystem within the country.

SUNWAY PROPERTY

has launched Sunway Serene Phase I and Sunway Subang in Klang Valley, Sunway Wellesley Phase 3A in Penang as well as Grid and Citrine Lakehomes in Iskandar.



01

RAM CONSULTANCY

assigned its highest Sustainability Rating of

GOLD

to Sunway Berhad, reaffirming Sunway's strong sustainability focus



03

04

SUNWAY MEDICAL CENTRE

was named joint runner-up for the Medical Tourism Hospital of the Year 2017 Award in the Asia Pacific region alongside Mount Elizabeth Hospital, Singapore at the CHT-Bernstein 2017 APAC Healthcare and Medical Tourism Awards. In addition to being awarded the Best Orthopaedic Service Provider of the Year 2017 in Asia Pacific, Sunway Medical Centre also won the International Hospital of the Year 2017 and the Best Marketing Initiative awards at the International Medical Travel Journal (IMTJ) Awards 2017.



05

06

SUNWAY PROPERTY CERTAINTY PLUS

We launched the first-of-its-kind Sunway Property Certainty Plus, which provides the option of a Guaranteed Loan, Deferred Payment and a Tailored Package to suit different needs. We also added a total of 5 land banks to our portfolio in 2017 with an estimated GDV of RM5.5 billion.

07

08

SUNWAY VELOCITY HOTEL

For the hospitality segment, Sunway Velocity Hotel opened its doors for operations on 20 September 2017, as the only transit-oriented and integrated hotel within the Cheras vicinity.



3.8 KM
From the
Petronas
Twin Towers

2017 MILESTONES

SUNWAY BERHAD

To reflect our status as a conglomerate of 12 business divisions and to drive the Group's strategic ambition to grow its non-property related businesses to become market leaders in their respective sectors, Sunway Berhad was reclassified from the Properties sector to the Trading/ Services sector on the Main Market of Bursa Securities, effective 16 June 2017.



09

We celebrated many

MILESTONES AND ANNIVERSARIES

SUNWAY EDUCATION GROUP



SUNWAY LAGOON



SUNWAY MALLS



THE JEFFREY CHEAH SCHOOL OF MEDICINE AND HEALTH SCIENCES



10

VISION AND MISSION

In line with our growth, we have changed our Vision and Mission statements to reflect Sunway's commitment to sustainability.

11

EMPLOYEE ENGAGEMENT

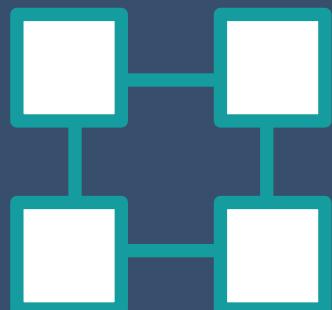
Our EMPLOYEE ENGAGEMENT score in 2017 was GOOD.



12

SPECIAL TASK FORCE

On the innovation front, we are setting up a task force under the Sunway Group President's Office to study and implement blockchain solutions for certain businesses of the Group.



13

2017 MILESTONES

14

SUNWAY EDUCATION

In education, Monash University Malaysia was awarded the much coveted 6-star rating from SETARA (Rating System for Malaysia Higher Education 2017). Sunway College and Sunway College Johor both earned the highest 6-star rating in MyQuest (Malaysian Quality Evaluation System for Private Colleges).



15

HMS SEAL

The Harvard Medical School Southeast Asia Leadership Programme (HMS SEAL), a unique world-class training programme for healthcare leaders and working professionals throughout the Asia Pacific region as a result of a collaboration between Sunway University, Sunway Medical Centre and Harvard Medical School is gaining recognition and traction internationally.



16

SUNWAY WIFI

Sunway City has been wired with fibre optic cables throughout the township to enable easy WiFi connectivity, another step towards our goal of making Sunway City a model Smart Sustainable City.



17

THE BANJARAN HOTSPRINGS RETREAT

which has now expanded to 45 beautiful villas and won many international awards. Its business as well as service performance have been inspiring.



SUSTAINABILITY AT SUNWAY

SUNWAY'S VISION

To be Asia's model corporation in sustainable development,
innovating to enrich lives for a better tomorrow



SUNWAY'S SUSTAINABILITY MISSION

- Empowering our people to deliver enhanced value to all stakeholders
- Embracing sustainability in our business processes and decisions
- Attracting and nurturing a talented and progressive workforce for the digital era



OUR APPROACH

- Build resilient businesses that lead in their respective markets through focus on our customers, innovation and operational excellence
- Commitment to responsible business practices, especially in employee welfare and development
- Being environmentally sensitive and proactively shrink our carbon footprint
- Partner with the communities we serve and make a positive impact



Governance & Oversight

- Policies & processes
- Governance structures
- Monitoring & reporting
- Tracking of benefits



SUNWAY'S SUSTAINABILITY CORE FOCUS AREAS

Responsible Business Practices

- Business ethics & code of conduct
- Sustainable supply chains
- Health & safety
- Employee engagement & development

Product And Service Innovation

- Product & service improvement
- Green products
- Innovative business solutions

Process And Resource Efficiency

- Process improvement
- Materials & resource management

Green Initiatives

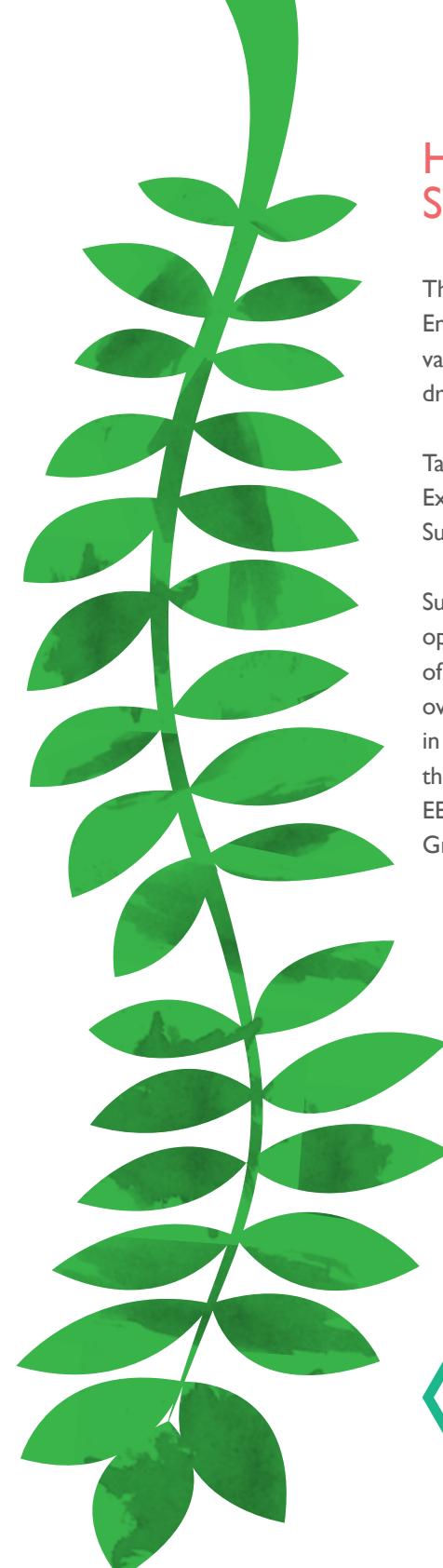
- Energy & water conservation
- Recycling & waste/effluent management
- Environmental protection

Giving Back To Communities

- Education
- Health and medical services
- Community development
- Philanthropic initiatives

An additional focus area, which focuses on pushing the knowledge frontier, will be tabled to the Board.

Key aspects include research, development and innovation; postgraduate studies; training; patents; intellectual property; commercialisation and startup opportunities.

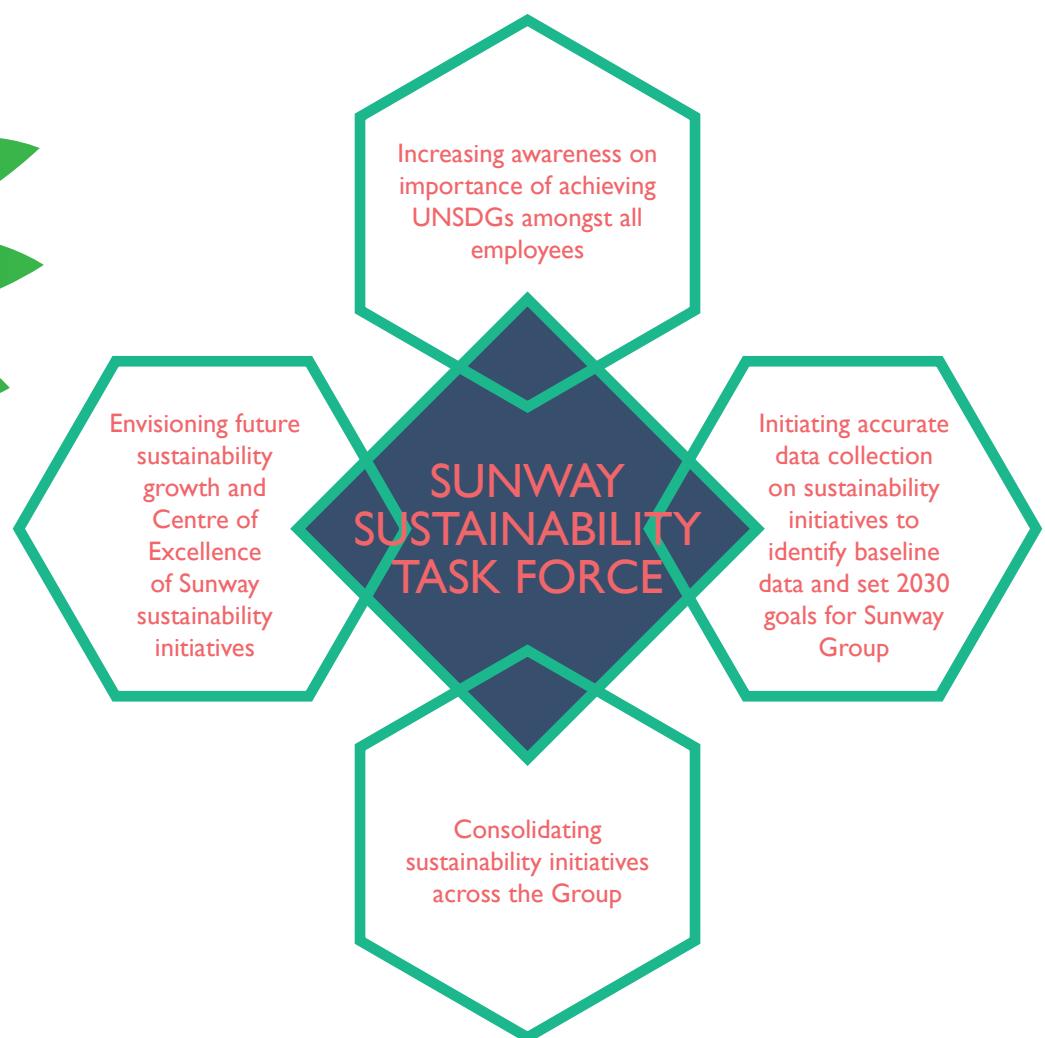


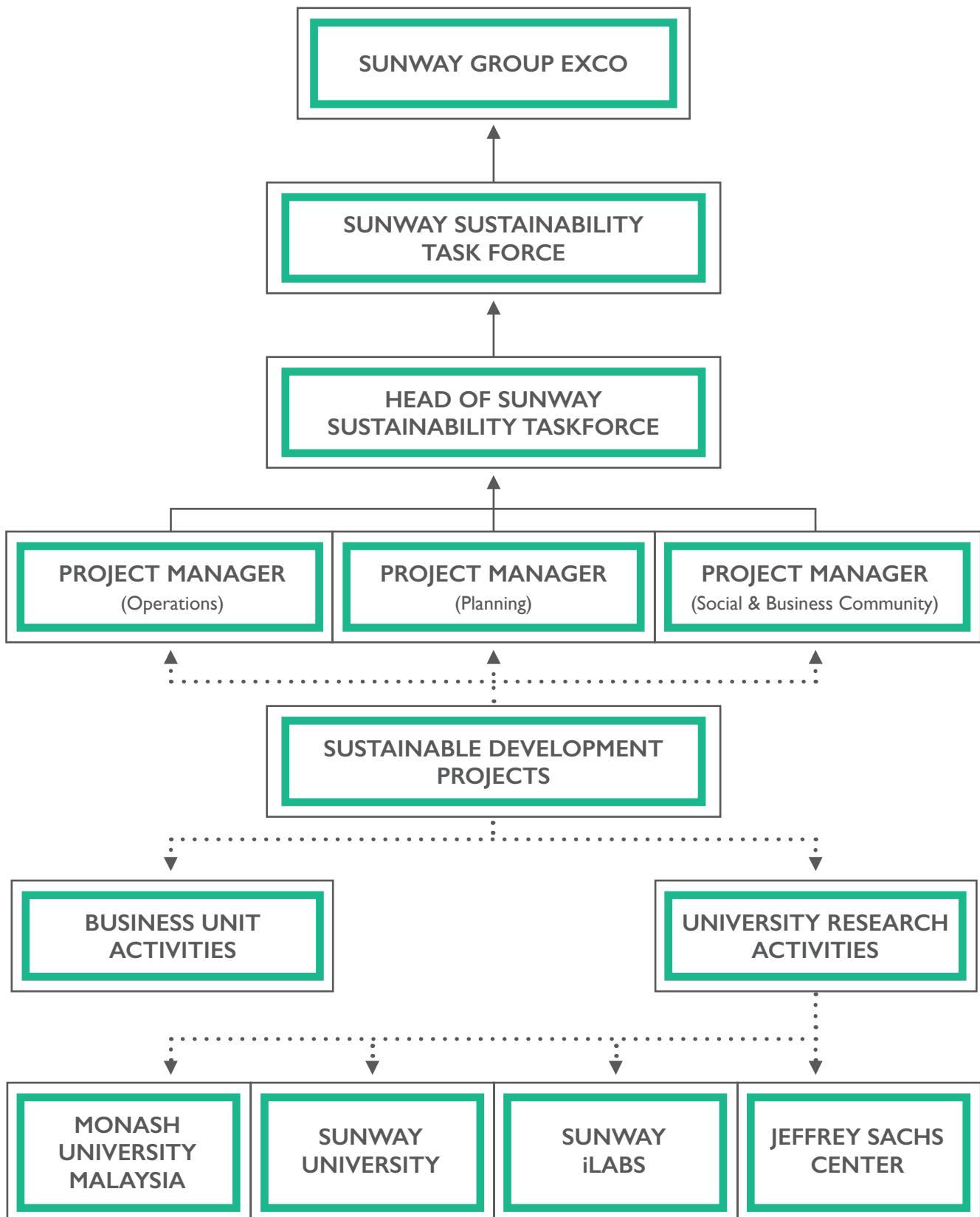
HEADING CHANGE TO SUNWAY SUSTAINABILITY GOVERNANCE

The Sunway Sustainability Task Force reports to the Board of Directors on Economic, Environmental, Social and Governance (EESG) matters. ESG matters that are material to value creation are integrated into our balanced scorecard, which is used to set objectives, drive behaviours, measure performance and determine remuneration.

Tan Sri Dr Jeffrey Cheah AO, Founder and Chairman of Sunway Group, heads the Group Executive Committee (EXCO). Sunway Sustainability Taskforce oversees the execution of Sunway's sustainable strategy in the day-to-day operations.

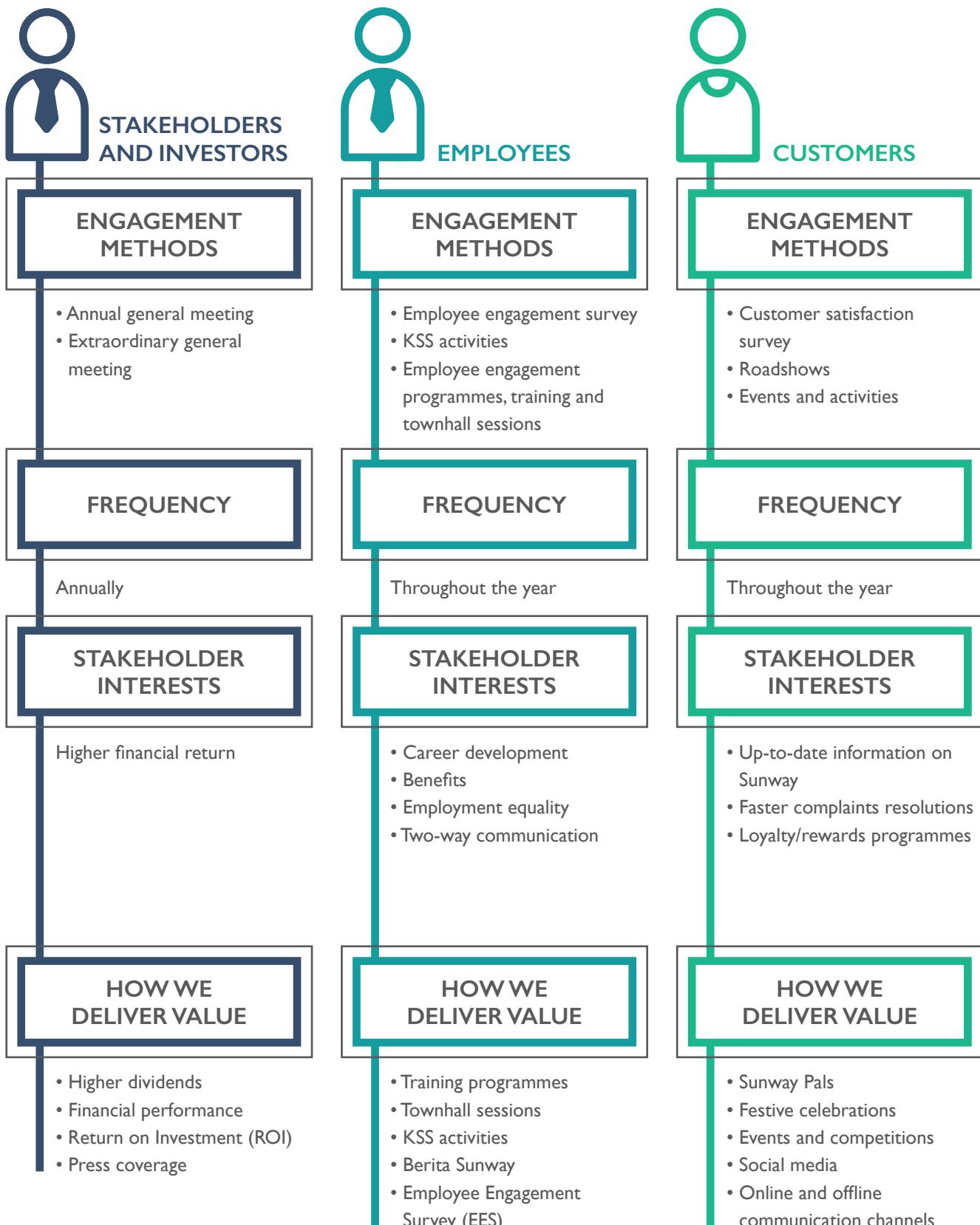
Sunway Sustainability Taskforce comprises representatives from key functions including operations, planning, social and business. The taskforce acts as the thinker and planner of Sunway's sustainable development projects. It is responsible for developing Sunway's overarching sustainability framework, setting Key Performance Indicators (KPIs) and targets in consultation with the relevant stakeholders, and driving sustainability initiatives across the Group. This in turn informs the Board's strategic planning especially in monitoring EESG risks and opportunities. The taskforce meets regularly and provides updates to the Group EXCO.



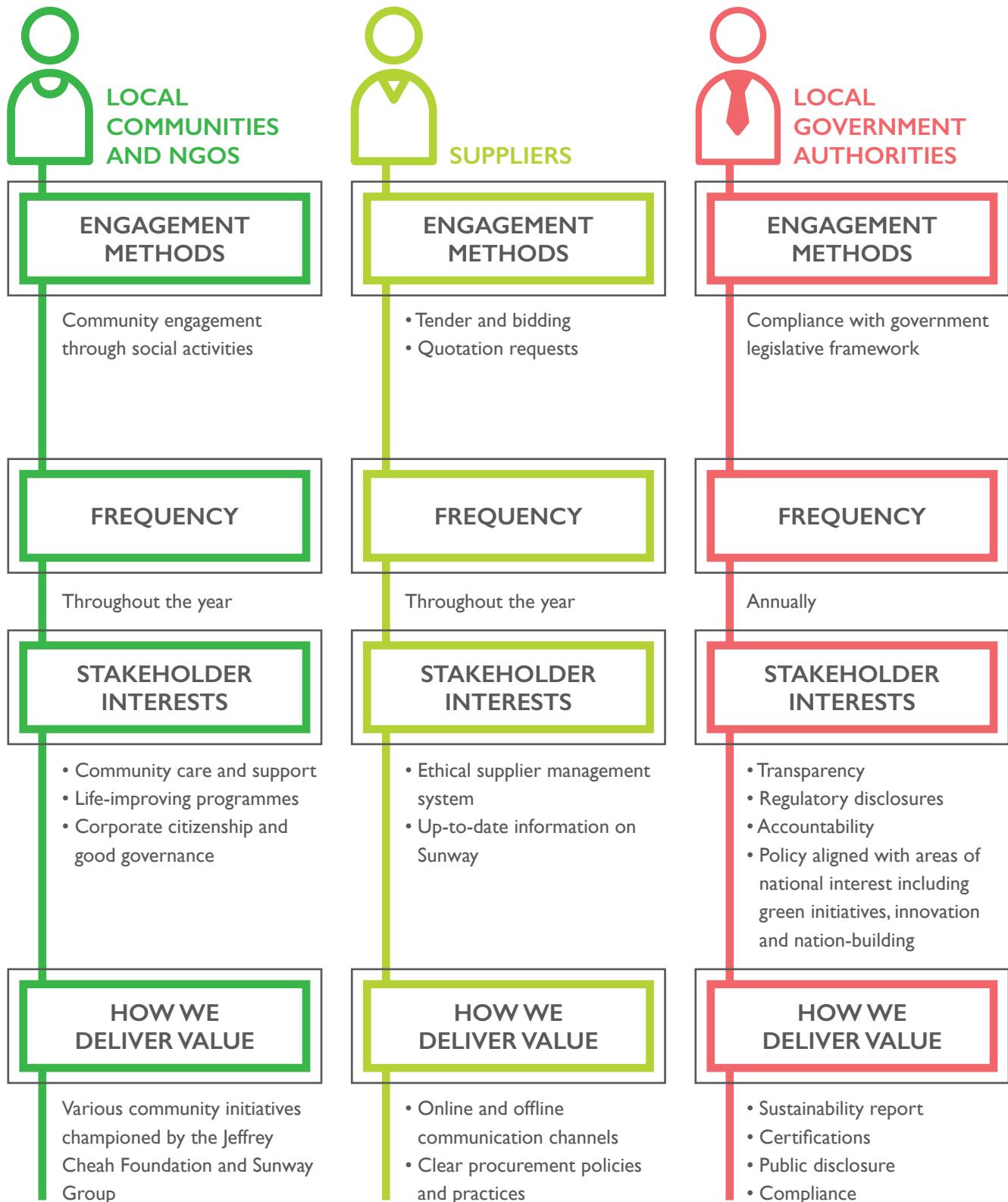


OUR STAKEHOLDER UNIVERSE

Our unique build-own-operate business model stimulates community growth. It assures stakeholders of our lifelong commitment to developing with these communities as co-investors. We are committed to delivering the best possible outcome for all stakeholders. Efforts to be an engaging collaborator, partner, visionary, employer and innovator are of paramount importance.



Our robust engagement model helps us connect with both internal and external stakeholders. This approach helps us develop partnerships and become more involved in our communities.



DEFINING THIS REPORT: SUNWAY MATERIALITY ASSESSMENT

The concept of materiality is the foundation of Sunway's sustainability reporting and we annually prioritise the reporting of aspects that are material to us and our stakeholders.

DEFINING MATERIALITY

Sunway identifies economic, social and environmental impact that has the greatest influence on stakeholder assessment and decisions. Aspects that are material to both Sunway's operating environment and business context, as well as its stakeholders, provide the basis for the selection of indicators that we use to measure our performance.

The assessment is subject to an annual review by our sustainability champions to ensure that we report on material aspects and measure our performance against the right indicators.

We commissioned an external consultant to conduct a new comprehensive study in the last quarter of 2017. An impartial external party was chosen to secure the anonymity of respondents. Stakeholder representatives were asked to rate the importance they placed on 30 areas of sustainability.

STAKEHOLDER GROUPS PARTICIPATING IN THE SURVEY

- Local Community
- Non-Governmental Organisations
- Investors/Financial Community
- Employees
- Media
- Customers
- Suppliers
- Government & Regulators

ECONOMIC

- Economic & business performance
- Sustainable procurement & supplier assessment
- Nation-building
- Market presence

ENVIRONMENT

- Greenhouse Gas (GHG) emissions & climate change
- Energy
- Water
- Green buildings
- Waste
- Biodiversity & conservation
- Environmental awareness programmes

SOCIAL: OUR PEOPLE

- Occupational Safety & Health
- Diversity & inclusivity
- Training & career development
- Employment benefits
- Employee engagement & satisfaction

SOCIAL: HUMAN RIGHTS

- Child & compulsory labour
- Discrimination
- Employer/employee relations
- Employees' rights

SOCIAL: OUR SOCIETY

- Community engagement
- Bribery & corruption
- Anti-competition
- Wider community benefits
- Employee volunteerism

SOCIAL: OUR OPERATIONS

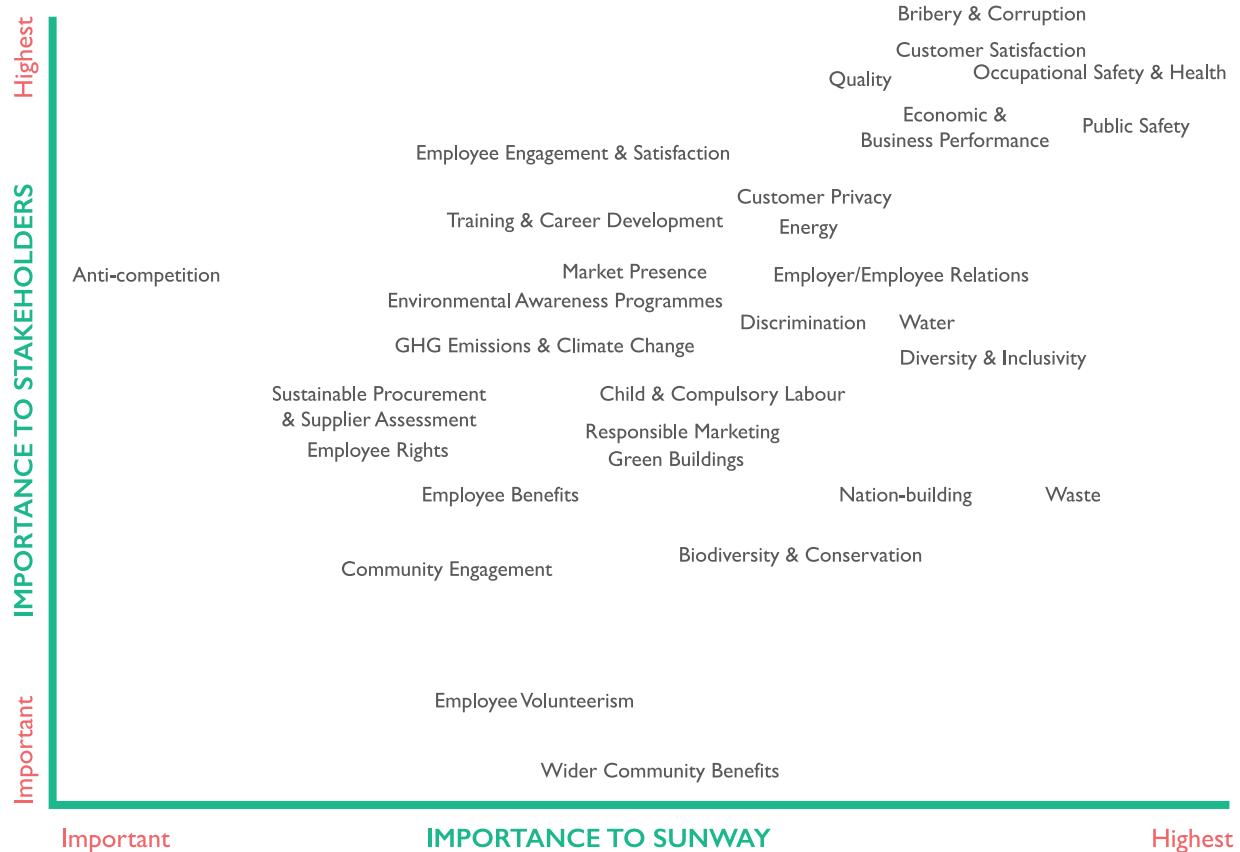
- Customer satisfaction
- Customer privacy
- Responsible marketing
- Public safety
- Quality

We asked respondents to select the criteria deemed material to each of their chosen divisions. We calculated an average score for all areas within each stakeholder group before obtaining an average rating from all eight stakeholder groups.

We also asked 10 members of our board of directors to complete a similar survey. Their views represented each division within Sunway.

THE RESULTS

Scores over 3 were considered of medium importance. Stakeholder scores ranged from 3.70 to 4.80; Sunway's between 4.22 and 4.70. This indicates that all issues were important to some degree. The matrix is presented in the following diagram.



In 2016, stakeholders and decision makers from each business unit were consulted to tailor the material areas to their particular industries. The five most material areas for both stakeholders and each business division are presented below.

THE FIVE MOST MATERIAL TOPICS FOR STAKEHOLDERS AND SUNWAY BY DIVISION



PROPERTY & CONSTRUCTION

STAKEHOLDER

- Quality management
- Economic & business performance
- Public safety
- Occupational safety & health
- Child & compulsory labour

SUNWAY

- Quality management
- Public safety
- Occupational safety & health
- Waste
- Recruiting & retaining employees



RETAIL, HOSPITALITY & LEISURE

STAKEHOLDER

- Employer/employee relations
- Responsible marketing
- Discrimination
- Benefits
- Diverse & inclusive workplace

SUNWAY

- Local community engagement
- Customer satisfaction
- Energy
- Water
- Economic & business performance



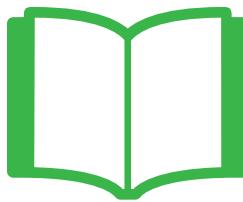
HEALTHCARE

STAKEHOLDER

- Wider benefits to community
- Customer privacy
- Employee volunteerism
- Discrimination
- Whistleblowing

SUNWAY

- Patient safety
- Quality
- Customer satisfaction
- Training & career development
- Wider benefits to community



EDUCATION

STAKEHOLDER

- Employee volunteerism
- Discrimination
- Employer/employee relations
- Environmental awareness programmes
- Wider benefits to community
- Research and innovation

SUNWAY

- Wider benefits to community
- Providing relevant skills to industry
- Nation-building
- Quality
- Stakeholder engagement



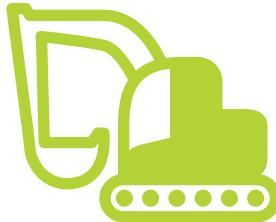
TRADING & MANUFACTURING

STAKEHOLDER

- Economic & business performance
- Benefits
- Employer/employee relations
- Training & career development
- Discrimination

SUNWAY

- Sustainable procurement & supplier assessment
- Customer satisfaction
- Corruption
- Market presence
- Customer privacy



QUARRYING & BUILDING MATERIALS

STAKEHOLDER

- Local Hiring
- Recruiting & retaining employees
- Quality
- Safety and health
- Environmental impact from transportation

SUNWAY

- Local community engagement
- Economic & business performance
- Public safety
- Safety and health
- Biodiversity



REAL ESTATE INVESTMENT TRUST (REIT) & COMMERCIAL

STAKEHOLDER

- Privacy of tenants, retail customers & hotel guests
- Ethics & transparency
- Business ethics
- Corruption & bribery
- Health of public & communities

SUNWAY

- Customer satisfaction
- Ethics & transparency
- Business ethics
- Corruption & bribery
- Corporate governance

VALIDATING THE RESULTS

Results of the materiality matrix were presented to senior executives across all business units for review. After discussing the process and results, the material topics were confirmed. This matrix was then endorsed by the Board of Directors.

USE OF THE FINDINGS

We will use the findings from the materiality exercise to guide our business strategy, track issues of concern, inform and prioritise our sustainability programmes, and establish meaningful metrics against which to measure our performance. We also plan to use the analysis to strengthen the focus and content of our sustainability reporting.

#SUNWAYFORGOOD FOR THE ECONOMY

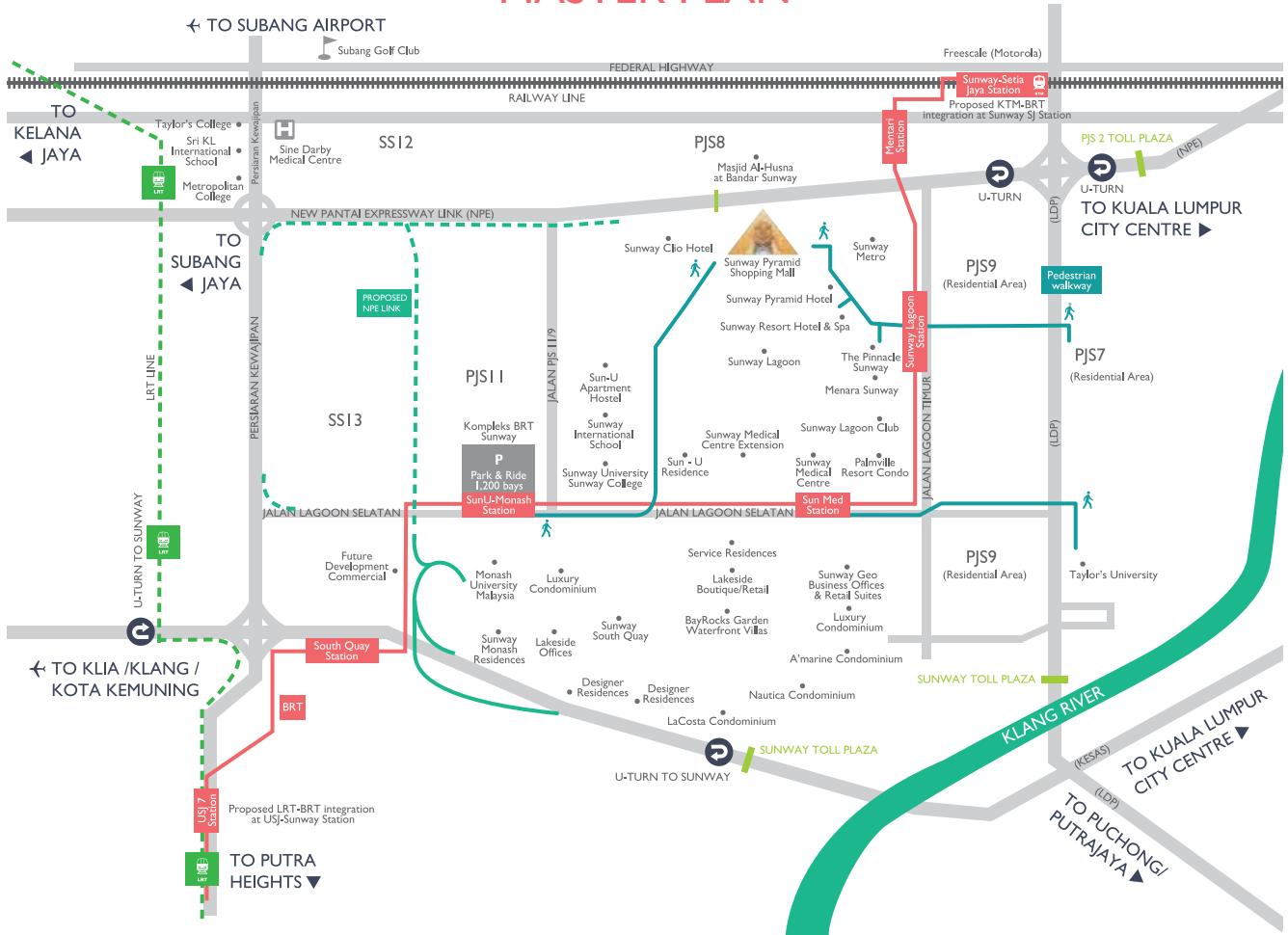
Sunway originates from 800 acres of mining land. Home to a population of 200,000, Sunway City now attracts 42 million visits annually. This vibrant township houses more than 60 million square feet of existing and future world-class facilities and developments.



CONNECTIVITY OF THE FUTURE

All buildings within Sunway City are interconnected by an at-grade (pedestrian walk) and elevated pedestrian walkway (Canopy Walk) to encourage walking within the township. Additionally, a dedicated continuous cycling network is scheduled for completion by 2020.

TRANSIT ORIENTED TOWNSHIP MASTER PLAN



Sunway City is currently one of Malaysia's most connected cities, seamlessly linking the public road network, public transport and the nation's first elevated Bus Rapid Transit (BRT)-Sunway Line. Eco-friendly electric buses serve seven stations, linking the KTM Komuter rail service and Light Rail Transit (LRT). Commuters can travel to Kuala Lumpur city centre and Kuala Lumpur International Airport with ease.

Sunway City also provides a dedicated free shuttle bus service so residents, students and visitors can commute within the township, efficiently. There is ample space for parking bicycles at Sunway Pyramid Mall, Sunway Lagoon, Monash University Malaysia, Sunway Geo and all BRT stations to complete the multi-modal transportation system in Sunway City.

Malaysia's first transit-oriented township (TOD), with seven key lifestyle components, offers an impressive array of housing, jobs, shops, restaurants and entertainment. Over the years, Sunway has invested more than RM300 million in improving Sunway City's connectivity, accessibility, landscape and green efforts. This initiative supports Sunway's growth as a tourist destination and value-generation hub for the nation.

As a TOD township, Sunway City is able to focus on development and activities that capture value, which is reinvested in communities and the nation.



MALAYSIA'S FIRST DEDICATED AND ELEVATED BRT-SUNWAY LINE

- Public-private partnership (PPP) between Prasarana Malaysia Berhad (Prasarana) and Sunway Berhad
- Sunway has contributed RM123 million to the RM634 million BRT-Sunway Line project
- Use of eco and disabled-friendly electric buses that run on a dedicated and elevated 5.4 km track
- Serves more than 500,000 commuters in the vicinity



ELEVATED COVERED CANOPY WALK

- RM20 million investment
- 2.3 km elevated covered canopy walk that will be extended to 4 km in the future
- Patrolled by Sunway's security personnel
- 59 CCTV cameras
- Connects Sunway Pyramid Mall, Sunway University, Monash University Malaysia, Sunway Lagoon BRT Station, Taylor's University Lakeside Campus and SunMed BRT Station

HIGHLIGHTS

5.4 km

of eco and disabled-friendly electric buses on a dedicated and elevated track



5 MINUTE

intervals

IMPROVED

connectivity, seamless accessibility and increased economic activity



7 STATIONS

- linking Setia Jaya KTM and LRT stations in USJ 6
- providing safety and security



67
passengers per bus

500,000 COMMUTERS
within Sunway City, Subang Jaya and USJ



1,153
parking bays at Kompleks BRT Sunway

In 2014, Sunway City obtained the Multimedia Super Corridor (MSC) Malaysia Cybercentre status, creating an ecosystem that provides the ideal environment to attract and support IT industries. Today, Sunway City is fully Wi-Fi-enabled, providing free wireless internet access in all public and commercial areas. Sunway City is also home to the Sunway Innovation Labs (Sunway iLabs), a collaborative space fostering entrepreneurship and stimulating market-driven innovations.

SUNWAY iLABS TO PROPEL TECHNOPRENEURSHIP

Launched on 4 May 2017, Sunway iLabs functions as a start-up incubator and runs accelerator programmes. It facilitates the development of the start-up ecosystem within Malaysia by acting as a micro-ecosystem.

The unique not-for-profit smart partnership concept is an excellent platform for Sunway Group, Sunway University and Sunway Ventures to build a triple helix innovation model. The strengths of stakeholders are combined across academia, industry and government within a collaborative space. This model fosters entrepreneurship and stimulates market-driven innovations.

Sunway iLabs also syncs with the wider start-up ecosystem in Malaysia and abroad through collaborations and strategic partnerships to enable entrepreneurs to scale their businesses faster.

As a Digital Hub, Sunway iLabs offers start-ups ready access to high-speed broadband and fibre optic connectivity, funding and facilitation opportunities, a technologically-focused and workforce-ready ecosystem, coupled with a holistic convenience and lifestyle experience.



SUNWAY ILABS PARTNERS



- Malaysia Digital Economy Corporation Sdn Bhd (MDEC)
- Agensi Inovasi Malaysia (AIM)
- Platcom Ventures
- Malaysian Global Innovation and Creativity Centre (MaGIC)
- Cradle Fund Sdn Bhd
- Malaysia Angel Business Network
- Grab
- Young Outliers

MONASH MALAYSIA R&D SDN BHD (MMR&D)

As an approved R&D status company by the Malaysian Investment Development Authority, MMR&D which was recently launched in 2017 strives to persuade local organisations to invest in research and development that will enable Malaysia to become an innovation-driven economy. Additionally, it aims to provide leading-edge research and development expertise to industries and organisations to discover innovative solutions that enhance their global competitiveness.

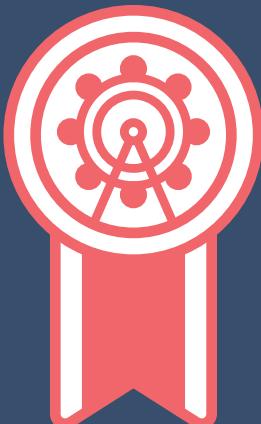
IMPACT TO INDUSTRIES AND ORGANISATIONS

- Double deduction of non-capital expenditure for research and development
- Access to various world-class research and development testing facilities
- Access to global research networks and talents
- Creation of IP, patents, trademarks and other commercialisation opportunities
- Industry-linked PhD programmes, internships, work placements and experiential learning opportunities



CIRCULAR ECONOMY BY LEADING THE INDUSTRIES

SUNWAY'S ACHIEVEMENTS



SUNWAY LAGOON

- World Branding Awards (Theme Parks - National) 2017
- Best Attraction 2017 by Expatriate Lifestyle's Best of Malaysia Awards 2017
- Outdoor Theme Park Concert Venue by Malaysia Tourism Council Gold Awards 2017
- Bronze Award (Entertainment category) by Putra Brand Awards 2017
- Best Companies to Work With by HR Asia Awards 2017
- Top 5 Water Parks in Asia by TripAdvisor Travellers' Choice Award 2017
- Biggest Water Ride by The Malaysia Book of Records
- First Waterplexx 5D by The Malaysia Book of Records
- Best Theme Park by Going Places Reader's Choice Awards 2016
- Longest Pedestrian Suspension Bridge by The Malaysia Book of Records
- Reader's Digest Trusted Brand Awards 2016 in the Theme Park/Family Attraction category
- Biggest Surf Wave Pool by The Malaysia Book of Records



SUNWAY HOTELS

- Sunway Hotel Georgetown won the 2017 Best Food & Beverage Hotel Award and Most Preferred Hotel by CTrip.com
- Sunway Resort Hotel & Spa received the National Excellence Occupational Safety and Health (OSH) Award 2017
- Sunway Resort Hotel & Spa was recognised in the “Top 10 Hotels for Families – in Malaysia” for the third consecutive year by TripAdvisor
- Sunway Putra Hotel received the TripAdvisor’s Certificate of Excellence 2017 based on consistently achieving high ratings from travellers
- Sunway Putra Hotel was rated 5.3 out of 6 by HolidayCheck 2017
- The Banjaran Hotsprings Retreat was awarded in four worthy categories: “Top 25 in Small Hotels, Top 25 Hotels for Romance, Top 25 Luxury Hotels and Top 25 Hotels for Service - In Malaysia”; for the fifth consecutive year



SUNWAY MALLS

- Sunway Velocity Mall won the Social Media Excellence Award under the Best Emerging Shopping Mall Category
- Sunway Pyramid Mall received The Edge Malaysia's Property Development Excellence Award for Excellence in Suburban Family Mall
- Sunway Pyramid Mall won the Best Experiential Marketing Gold Award for the “Captain America: Civil War” Campaign (Category C: 1 million square feet and above)
- Sunway Putra Mall was recognised at the FIABCI Malaysia Property Award 2017 (Retail Category)
- Sunway Putra Mall received the KL Mayor Tourism Award 2017 (Gold)
- Sunway Putra Mall received the Malaysia Tourism Quality Assurance (MyTQA) Certification 2017 by the Ministry of Tourism and Culture

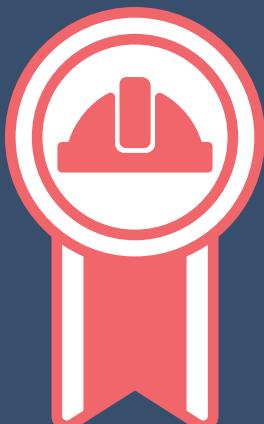
CIRCULAR ECONOMY BY LEADING THE INDUSTRIES

SUNWAY'S ACHIEVEMENTS



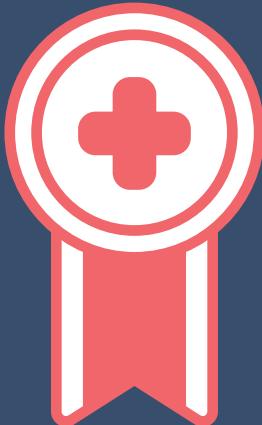
SUNWAY PROPERTY

- Sakura Residence won the Best International Development category in the iProperty Development Excellence Award 2017 (Idea)
 - Sunway Property was the Silver Winner in the Property Development Category at the Putra Brand Awards 2017
 - At The Edge Malaysia Property Excellence Award 2017, Sunway Property won The Edge Malaysia Top Property Developer Awards, The Best in Qualitative Attributes (Sunway Berhad), The Edge Malaysia Outstanding Property CEO Award (Sarena Cheah) and The Edge Malaysia Pioneer Development Award 2017 (Sunway University)
 - Sunway Berhad was named Malaysia's Top 10 Property Developer for the 7th Consecutive Year at the BCI Asia Award 2017
 - Sunway Property bagged three awards at the StarProperty Award 2017: Top 10 Developers Award (Sunway Berhad), Give Elements – Merit (Sunway Iskandar) and Just Walk – Honors (Sunway Velocity)
 - Sunway Pinnacle won two award categories at The Edge Best Managed Property Award 2017: Non-strata commercial – Silver and Editor's Choice Award – Built for Sustainability
-



SUNWAY CONSTRUCTION

- SunCon was one of the top 24 companies at the ACCA Malaysia Sustainability Reporting (MaSRA) Awards 2017
- SunCon remains as a constituent of the FTSE4Good Bursa Malaysia Index since 2015
- YBhg Dato' Dr Ir Johari bin Basri, Independent Non-Executive Director, High Level ESH Council Chairman of SunCon was awarded the Golden Helmet Award at the Master Builders Association Malaysia (MBAM) Award
- Mr Teh Hang Loong of SunCon received the MBAM Safety and Health Award for Site Personnel
- SunCon came 4th in the inaugural Malaysian Institute of Corporate Governance (MICG) award which recognises companies' for their transparency, anti-corruption and sustainability practices
- SunCon bagged six awards at the Malaysian Society for Occupational Safety and Health Awards: Parcel F, Putrajaya won the Gold Award Class I, MRT V201, KLCC Package I and 2 and Emerald Residence SSR won the Gold Award Class II, while Velocity Hotel won the Silver Award.
- SunCon received the Certificate of Merit at the National Annual Corporate Report Awards
- SunCon came 12th for overall corporate governance (CG) and performance at the MSWG-ASEAN Corporate Governance - Industry Excellence Award.



SUNWAY MEDICAL

- Best Fertility Centre Award in Parenthood Magazine Malaysia's Parents' Choice Awards 2018
 - Orthopaedic Service Provider of the Year Award at the GHT-Bernstein 2017 APAC Healthcare and Medical Tourism Award
 - Runner-up for the Medical Tourism Hospital of the Year 2017 Award in Asia Pacific at the GHT-Bernstein 2017 APAC Healthcare and Medical Tourism Award
 - Sunway Medical was named International Hospital of the Year for the second consecutive year, Best Marketing Initiative and Best Quality Initiative – Highly Commendable at the International Medical Travel Journal (IMTJ) Awards 2017
-



MONASH UNIVERSITY MALAYSIA

- Ranked Top 100 in the World
- Ranked 28th in Reuters Asia's Most Innovative Universities 2017
- Outstanding (6-Star) university, the highest tier, in the latest Malaysia Rating for University and University College Excellence (SETARA) 2017
- The Jeffrey Cheah School of Medicine and Health Sciences (JCSMHS) celebrated its ten-year milestone
- #2 in the world for pharmacy and pharmacology in the 2017 QS World University Rankings by Subject
- Four student athletes bagged medals in four events during the 2017 Southeast Asian (SEA) Games
- Monash Malaysia R&D Sdn Bhd (MMR&D) was launched with an approved R&D status company by the Malaysian Investment Development Authority
- The School of Business received its own accreditation from the Association to Advance Collegiate Schools of Business (AACSB). Monash Malaysia remains the only private university in the country to have been accorded this recognition. The school is also a signatory member of the United Nations' Principles for Responsible Management Education initiative.

SUNWAY MEDICAL CENTRE EXPANSION

We began expanding Sunway Medical Centre to cater to growing local and international markets more effectively. The new 10-story Tower C is built on part of the 5.88 acres of land adjacent to Sunway Medical Centre. It now has 215 consultant specialists, more than 2,000 health professionals and 533 beds.

Sunway Medical Centre is awaiting the Ministry of Health's approval to become Malaysia's first private teaching hospital.



ADVANCED CANCER TREATMENT

At Sunway Medical, we want patients to receive the best, stress-free health options. We provide access to highly-effective, cost-effective and innovative radiation therapy that minimises radiation exposure.

OUR CUTTING-EDGE CANCER MACHINE INVESTMENTS

Our Cancer and Radiosurgery Centre takes a multidisciplinary approach to the medical care of all patients. The Tumour Board holds regular meetings to review cancer cases with the multidisciplinary team and input from consultants in various fields of expertise. This approach ensures the excellent and comprehensive care of our patients.



VINCI SURGICAL SYSTEM

INTRABEAM INTRAOPERATIVE RADIATION THERAPY (IORT)

SPECT-CT

VARIAN TRUEBEAM STX

BRACHYTHERAPY

GAMMA KNIFE

SUNWAY OFFERS GOOD OPPORTUNITIES FOR THE LOCALS

We live and work in diverse communities throughout the world and our contribution to the economic vitality of those communities is significant. As we expand our operations, we provide jobs with good wages and benefits to our ever-increasing employee population. We also create other local businesses that provide materials and services to us. Primarily, it is the local communities in which we work that benefit from this symbiotic relationship.

Sunway hires local employees for job openings whenever possible. Our local hiring strategy helps build community relations. However, when skills and experience are unavailable locally or regionally, we target national and international labour markets.

We participated in various local and international career fairs to encourage talented locals to join our workforce.

INITIATIVES TO ATTRACT MALAYSIANS IN 2017

- Participating in career fairs
- Conducting career talks and industry engagement sessions at targeted public and private universities
- Attracting students who aspire to be chartered accountants by becoming one of the Authorised Training Employers (ATE) with the internationally-renowned institution ICAEW
- Visiting schools and organising industry engagement sessions to a selection of the best universities in the UK to reach out to Malaysian students living there
- Collaborating with internationally-based Malaysian student bodies to promote our summer programme

The Annual Sunway Summer Programme offers Malaysian students experience in Sunway through well-organised roundtable sessions with leaders from the different business units and a practical leadership session. In 2017, we included a half-day Global Game Changer Programme for 50 children aged between eight and 12 years. The aim was to familiarise the younger generation with Sunway's UNSDG efforts.

LOCAL SUPPLIERS

Currently, Sunway has no formal policy requiring locally-based suppliers to be prioritised. All suppliers have equal access to purchasing opportunities. A tendering and bidding process screens the supplier's credibility and ethical background before purchases are made. This screening process is performed both online and offline through clear and transparent procurement policies and practices. Nevertheless, more than 95% of our suppliers are either locally based or have local regional offices.



SUSTAINABLE SUPPLY CHAIN

Our diverse businesses source products and services from thousands of suppliers, worldwide. We aim to source responsibly, selecting partners who meet high standards in areas such as ethical conduct, human rights, workplace standards and environmental management.

We conduct business in an ethically, legally and socially responsible manner and have established a group-level Supplier Code of Conduct. Suppliers must comply with applicable laws and regulations while adhering to our high standards of ethical behaviour.

Sunway works with suppliers to create a positive impact on social and environmental protection, beyond its businesses.

OUR SUPPLY CHAIN PRINCIPLES



STANDARDS EXPECTED OF SUPPLIERS AND SUPPLY CHAIN PARTNERS



Manage conflicts of interest, procurement relationships and ethical conduct



Not engage in collusive bidding, price fixing, price discrimination or other unfair trade practices in violation of antitrust laws



Abide by ethical labour practices for existing and potential projects as outlined in Sunway's risk assessment



Comply with all applicable labour and employment laws, ordinance, by-laws, rules, regulations or orders

We reinforce our commitment to a social and environmental supply chain to suppliers and subcontractors.

We will continue to improve our processes and engage our suppliers to:

- Identify and manage risks and
- Increase productivity and efficiency within the supply chain.

SUNWAY'S PROCUREMENT PRACTICES

- Follow best practice in line with client expectations
- Minimise risks associated with procuring from vulnerable sources
- Responsible sourcing of materials becoming increasingly important
- Environmental conservation policy and practices are communicated through:
 - i. Letter of Award (LOA)
 - ii. Regular engagement and training sessions
- A risk assessment, evaluating social and environmental compliance, is conducted before a project is awarded to existing or new suppliers
- Socio-environmental performance and initiatives to reduce suppliers' impact from operations are monitored, recorded and reported to the management
- Sunway Construction inspects suppliers' sites and those displaying unethical behaviour that contravenes our socio-environment performance are given warnings, which may lead to termination

OUR ROLES IN ADVANCING MALAYSIAN INDUSTRY



OUR ROLES IN ADVANCING MALAYSIAN INDUSTRY



RETAIL

MEMBERSHIP IN ASSOCIATIONS

COMPANY

- Malaysia Shopping Malls Association (PPKM)

INDIVIDUAL

- Mr Chan Hoi Choy, CEO of Sunway Shopping Malls and Theme Parks is an Advisor to Malaysia Shopping Malls Association



HOSPITALITY

MEMBERSHIP IN ASSOCIATIONS

COMPANY

- Malaysian Employers Federation (MEF)
- Association of Hotel Employers (AHE)
- Malaysian Association of Hotels (MAH)



EDUCATION

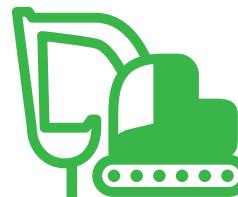
MEMBERSHIP IN ASSOCIATIONS

COMPANY

- Sunway University delivers world-class teaching and research with leading international collaborators such as Oxford, Cambridge and Lancaster Universities, UK; Le Cordon Bleu, France and Harvard, United States.
- Monash University Malaysia, a leading international university located in Sunway City, delivers translational and transnational education and research that contribute to nation-building in the region.

INDIVIDUAL

- Tan Sri Dr Jeffrey Cheah AO was conferred an Honorary Doctorate of Education by Universiti Malaysia for his lifelong commitment to advancing the cause of education in Malaysia



QUARRYING

MEMBERSHIP IN ASSOCIATIONS

COMPANY

- Malaysia Quarries Association (MQA)

INDIVIDUAL

- Mr Teh Quen Chang, CEO of Sunway Quarry is President of MQA

NOTES:

Mr Teh Quen Chang retired on 31 January 2018



HEALTHCARE

MEMBERSHIP IN ASSOCIATIONS

COMPANY

- Malaysia Healthcare Travel Council (MHTC)
- Association of Private Hospitals Malaysia (APHM)
- Malaysian Chinese Chamber Association



LEISURE

MEMBERSHIP IN ASSOCIATIONS

COMPANY

- Malaysian Association of Amusement Theme Park & Family Attractions) (MAATFA)
- International Association of Amusement Parks and Attractions (IAAPA)

INDIVIDUAL

- Mr Ho Ch'an Hin and Mr Magendaran Marimuthi are committee members of Malaysian Association of Amusement Theme Park & Family Attractions (MAATFA)
- Mr Ramesh Singaram is a member of the Malaysian Association of Zoological Parks and Aquaria (MAZPA)



BUILDING MATERIALS

MEMBERSHIP IN ASSOCIATIONS

COMPANY

- The Road Engineering Association of Asia & Australia
- International Road Federation (IRF)

INDIVIDUAL

- Mr Arreshvhina (Assistant General Manager - Production). Calvin Ooi (Research & Development Engineer) and Umlunjawa (Senior Engineer of Quality Assurance/Quality Control) are members of American Concrete Institute (ACI-Malaysian Chapter)



COMMERCIAL & REIT

MEMBERSHIP IN ASSOCIATIONS

COMPANY

- Malaysian REIT Managers Association (MRMA)
- Malaysian Investor Relations Association (MIRA)

INDIVIDUAL

- Dato' Jeffrey Ng Tiong Lip, CEO of Sunway REIT has been a patron of REHDA since 2009
- Dato' Jeffrey Ng Tiong Lip has been the Chairman of the MRMA since 2016
- Dato' Jeffrey Ng Tiong Lip has been the Chairman of REHDA Institute since 2016

#SUNWAYFORGOOD FOR THE ENVIRONMENT

We endeavour to reduce the environmental impact of our wide range of businesses. Our sustainability strategy supports our businesses and reaches beyond the doors of our assets to preserve and protect the planet and its resources.



Sunway City, Kuala Lumpur is Malaysia's first integrated township. Resurrected from a barren mining wasteland, Sunway City is:

- 40% green
- Home to more than 150 species of flora and fauna
- 100% accessible by foot through canopied and pedestrian walkways

KEY GREEN HIGHLIGHTS

- Sunway City is Malaysia's first fully integrated green township
- RM5 million spent on landscaping and beautification of Sunway City
- Styrofoam-free Initiative
- Recycling Programme
- Combined generation plant for Sunway City which uses natural gas to generate electricity, chilled water and hot water
- Construction of a water treatment plant in Sunway South Quay which produces approximately 10,000m³ of water for the commercial buildings within Sunway City
- All Sunway-owned buildings in Sunway City are 100% smoke-free
- Sunway Velocity Mall has four rainwater harvesting tanks which can yield 408,000 litres of rainwater on average. We are studying the feasibility of having this system installed in other malls.

OUR GREEN FOCUS



Making our supply chain more

ENVIRONMENTALLY CONSCIOUS



SUPPORTING

innovative conservation initiatives



REDUCING

our footprint

CONSTRUCTING MORE

SUSTAINABLE BUILDINGS

INSPIRING

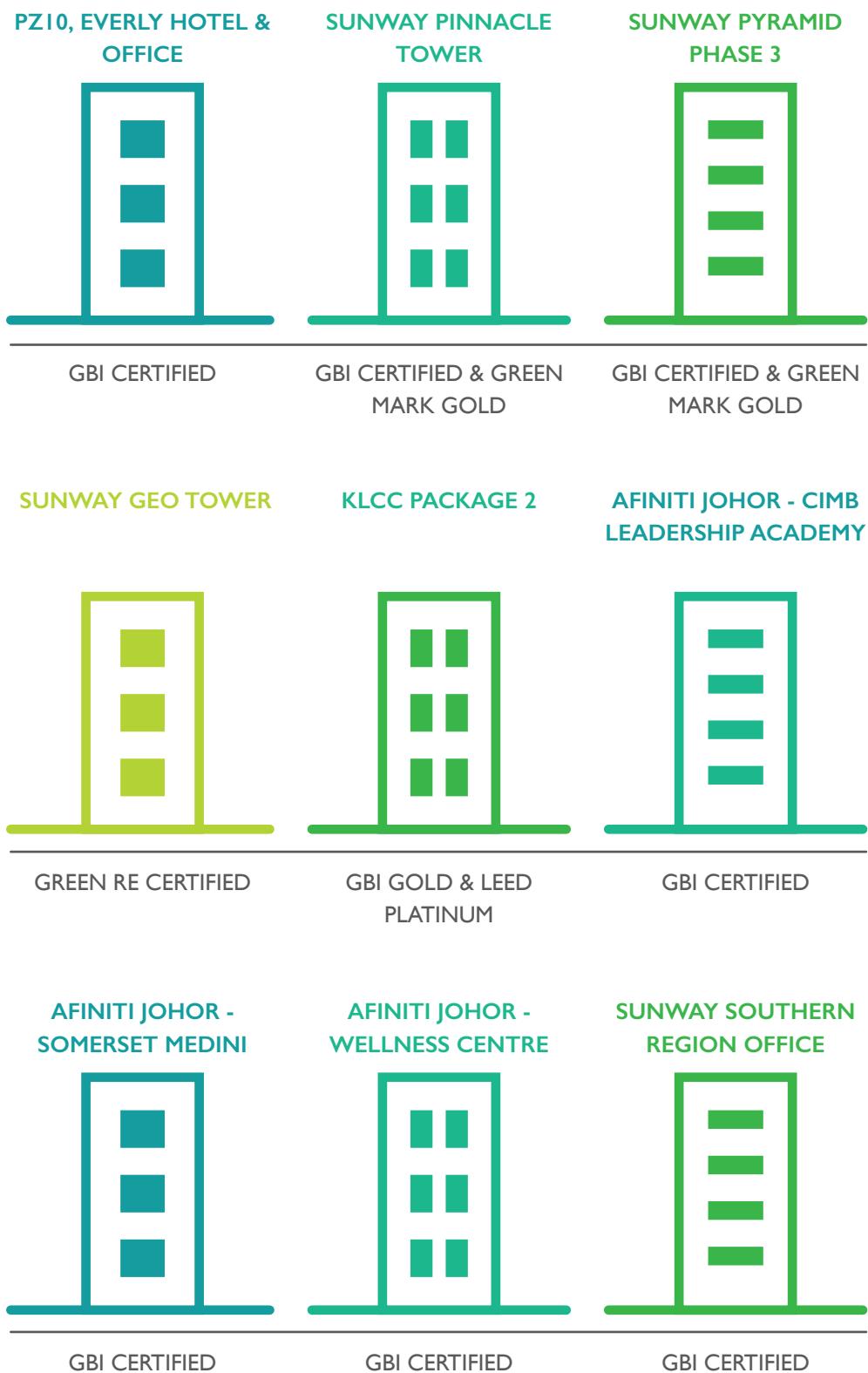
our people to support these efforts



PIONEERING GREEN DEVELOPMENT

Our commitment to green buildings addresses all issues including biodiversity, Greenhouse Gas (GHG) emissions, energy management, resource use, pollution, waste management and water management. The Green Building status of our completed projects is presented below.

STATUS OF OUR GREEN BUILDINGS



Completed in early 2016, Sunway Clio Hotel & Retail (Sunway Pyramid West) are our latest green leases and operations have already commenced.

Sunway City is Malaysia's first sustainable township as certified by the Green Building Index. It is also a winner of two FIABCI Prix d'Excellence and three FIABCI Malaysia awards.

GREEN RECOGNITIONS

20
12

Sunway City was certified as Malaysia's first fully-integrated sustainable township by Green Building Index Malaysia

20
16

Sunway City was recognised as the first Low Carbon City by the Malaysian Institute of Planners

20
17

received a Gold rating for its sustainability efforts by RAM Consultancy Services Sdn Bhd. During the year, Sunway City has been recognised as a Top Smart City Initiative in Asia Pacific excluding Japan (APEJ) under the Smart Buildings category by IDC Government Insights.

COVERAGE AND BENEFITS OF GREEN BUILDINGS

COVERAGE

- Planning
- Design
- Construction
- Operations
- End-of-life recycling or renewal

BENEFITS

- Limit the impact buildings have on climate change
- Consider energy, water, indoor environmental quality, materials selection and location
- Reduce landfill waste
- Enable the use of alternative transportation
- Encourage retention and creation of vegetated land areas and roofs



USE OF MORE ENVIRONMENTALLY-FRIENDLY DIESEL

Euro5 Diesel is a technologically-advanced fuel with zero emissions for a sustainable and cleaner environment. Euro5 Diesel costs an additional RM 0.10/litre compared to normal diesel. However, it is better for the environment and vehicle maintenance.

ENVIRONMENTAL BENEFITS OF EUROS DIESEL



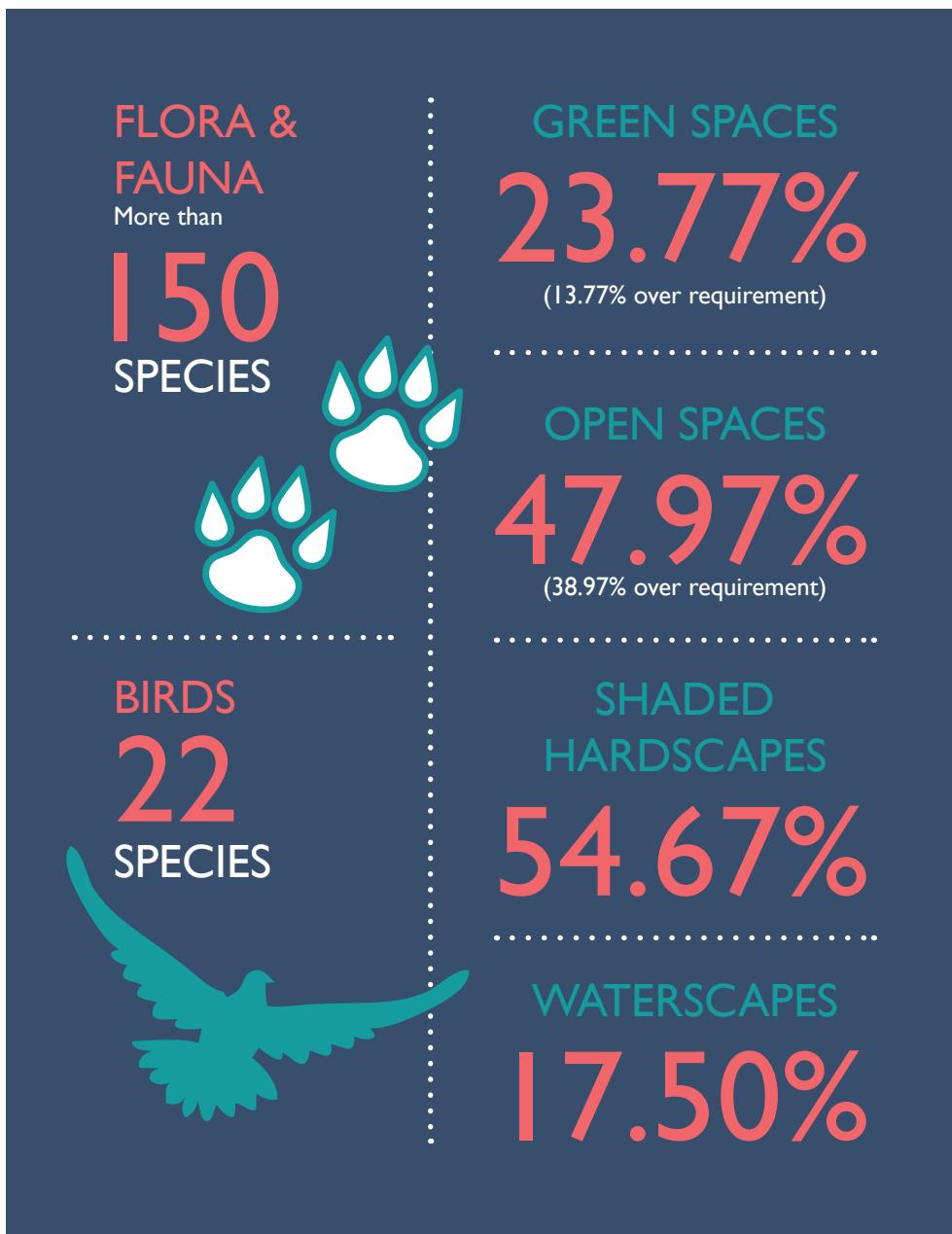
- Improved engine performance for acceleration from cleaner fuel injectors
- Reduced ignition delay enhancing cold start performance for complete combustion for maximum power
- Better fuel economy
- Increased protection against engine corrosion

In November 2017, Tan Sri Dr Jeffrey Cheah AO advised all Sunway Petrol Card holders, who drive diesel cars, and all Sunway diesel vehicles, to use Euro5 Diesel with immediate effect. This instruction is in line with Sunway's commitment to the UNSDGs.



BIODIVERSITY CONSERVATION

Built on ex-mining land, Sunway City was rehabilitated by improving the environmental quality and resources available to local communities. The township has been successfully transformed from a mining crater with more than 150 species of flora and fauna returning to the barren wasteland.



SUNWAY'S APPROACH TO MINIMISING LOSS OF BIODIVERSITY

- Obtaining all necessary environmental regulatory approvals and consent before commencing work
- Prior to commencing work, we analyse the likely impact of our projects on biodiversity. Once risks are identified, mitigation measures or offsets are developed.
- Clearing in a manner that minimises habitat loss and/or degradation
- Biodiversity assessment at each phase of a project
- Implementing an offset or relocation programme if disturbing biodiversity within an area zoned for clearing is unavoidable

LANDSCAPE REHABILITATION

Hydroseeding is a key component of Sunway Quarry's landscape rehabilitation plan. A viscous mixture of seeds, water, fertiliser and natural fibres are sprayed, which help to protect the seeds until germination. Hydroseeding is an extremely cost-effective and successful method of establishing new vegetation.

Our grass seeding process sprays a mixture of seed, water, mulch, eco-friendly binder, fertiliser and trace elements to establish vegetation in areas that might otherwise be too large, inaccessible or impractical for conventional seeding. The water retaining mulch keeps the seeds moist, preventing wind and rain erosion while retaining essential nutrients for healthy grass. Sunway Quarry also plants Eugenia trees along the access road and lemongrass near its quarry offices.

RESEARCH ON BIODIVERSITY IMPACT

Sunway Lagoon has partnered with Dr Robin Fay Wilson of Sunway University for research on hornbill and otter DNA. Sunway Lagoon also conducts lake research conservation with Professor Koh Hock Lye of Sunway University.

Research Outcome: No known negative impact on local flora and fauna.

CONSERVING NATURE



SUNWAY
CITY IPOH

AN EPITOME OF
SUSTAINABLE DEVELOPMENT

- Built on the principles of preservation and conservation
- Home to natural assets including limestone hills that are 260 million years old, a 100% natural mineral hot spring and awe-inspiring caves



SUNWAY
ISKANDAR

OFFERS WORLD-CLASS
CITY LIVING

- Close to lush greenery and serene water bodies including the 7 km long Pendas River and the Straits of Johor
- With attractive mangrove that we protect and preserve

MINIMISING BIODIVERSITY LOSS AS A RESULT OF OUR OPERATIONS

Temporary slope protections are measured during construction to prevent erosion and dust.



Temporary earth drains with a concrete lining and silt traps are erected.



Natural lake water is used to water down construction sites to minimise dust.

Sunway adopts a minimal cut and fill approach to avoid importing soil for environmental and cost reasons.

When constructing buildings and infrastructure, excavated soil is temporarily stored on the site for use once the foundations and basement structure have been completed.



All trees that do not hinder construction are untouched; others are relocated to preserve the environment.

TREE PLANTING PROGRAMME

Sunway Property supported Penang Municipal Council of Seberang Perai (MPSP) by contributing 300 Tecoma trees to Bandar Perda, Seberang Perai. The tree planting event was held in conjunction with Malaysia's 60th National Day on 27 August.

On 11 November, Sunway Property planted 135 trees in 'The Most Number of Amenity Trees Planted within 24 Hours' event organised by Penang Island City Council (MBPP).

The trees were planted at Sunway Cassia and Sunway Valley City. Employees, family members and friends joined forces to make Penang a greener and liveable city.

GREEN TOWNSHIP

Our tree-planting programme is facilitated by our own nursery company, Tajul Green Sdn Bhd. The selected trees are ideal as they are fast growing, canopied and require little maintenance. There are 31,779 native and 142,291 adaptive plant species in Sunway City. The most common species are presented below.



COMPONENT	PALM TYPE	TREE TYPE	SHRUBS
SUNWAY LAGOON	Dypsis lutescens	Pisonia alba	Hymenocallis speciosa
SUNWAY LAGOON (RAINFOREST)	Ptychosperma macarthurii	Acacia auriculiformis	Piper pseudolindenii
SUNWAY MEDICAL CENTRE	Roystonea regia	Podocarpus spp	Hibiscus spp
PALMVILLE CONDO	Ptychosperma macarthurii	Polyalthia longifolia	Ixora (super pink)
SUNWAY UNIVERSITY	Areca catechu	Syzygium grandis	Wedelia biflora
SUNWAY PYRAMID MALL	Livistona chinensis	Eugenia grandis	Rhapis excelsa
SUNWAY RESORT HOTEL & SPA	Elaeis oleifera	Khaya senegalensis	Pandanus pygmaeus
MENARA SUNWAY	Dypsis leptocheilos	Ficus microcarpa, "Golden"	Duranta erecta
CLUBHOUSE (SUNWAY LAGOON CLUB)	Ptychosperma macarthurii	Erythrina glauca	Epipremnum aureum
JALAN LAGOON SELATAN	Livistona rotundifolia	Pterocarpus indicus	Bougainvillea spp

NUMBER OF TREES

25,000

TARGET TREES BY 2020

30,000

NATIVE PLANTS

31,779 SPECIES

GREEN SPACES

23.77%

(13.77% over requirement)

ADAPTIVE PLANTS

142,291

SPECIES

OPEN SPACES

47.97%

(38.97% over requirement)

WASTE MANAGEMENT

Sunway has introduced good waste management practices across all business units to comply with environmental legislation, reduce costs and help create a positive company image.

General wastes from the interior and exterior of our buildings are placed in receptacles provided. Bins of varying models and colours are placed within the unit or department or at strategic places such as in public toilets, offices, pantries, entrances, exits and lift landings. Menara Sunway has its own waste chamber which is a facility for waste storage, handling and collection.

Housekeeping attendants empty the bins several times each day

The waste is then transported by green 2-wheel or 4-wheel bins to the open-top bin

The open-top bin is collected by Sunway's preferred vendor for landfill

TACKLING NON-BIODEGRADABLE WASTE

Items that break down naturally over time such as food and paper are biodegradable. Non-biodegradable waste cannot be changed to a harmless natural state by the action of bacteria. These products continue to accumulate over time, requiring more and more land devoted to holding waste.



- Sunway discourages the use of non-biodegradable items such as polystyrene cups, plates, takeaway containers and plastic bags.
- Sunway Medical Centre equipped each employee with a lunch box with a stainless steel fork and spoon in a reusable bag to discourage polystyrene takeaway food containers.
- Takeaway food containers and cups used are made from eco-friendly material and paper bags are used whenever possible.

GENERAL WASTE AND WASTE RECYCLED IN 2017 (TONNES)

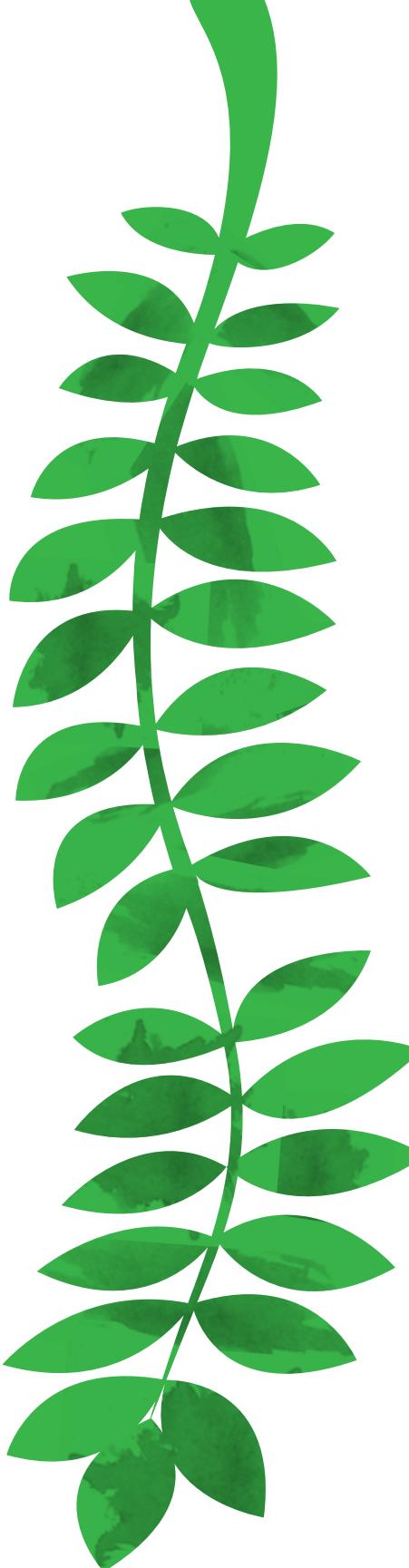
DIVISION	TOTAL GENERAL WASTE	TOTAL WASTE RECYCLED
COMMERCIAL	195	1
EDUCATION	345	47
HEALTHCARE	820	3
HOSPITALITY	1,106	36
LEISURE	150	1
RETAIL	4,080	278
TOTAL	6,696	366

WASTE SEGREGATION AND DISPOSAL SYSTEM

We implement a separate waste management system for dry, wet and recyclable wastes.

E-WASTE MANAGEMENT

Sunway holds an annual e-Waste Disposal Campaign. Electronic gadgets such as mobile phones, batteries, chargers and other electronic components belonging to employees and students (at Monash University and Sunway University) are disposed of in e-Waste collection bins placed in strategic locations.

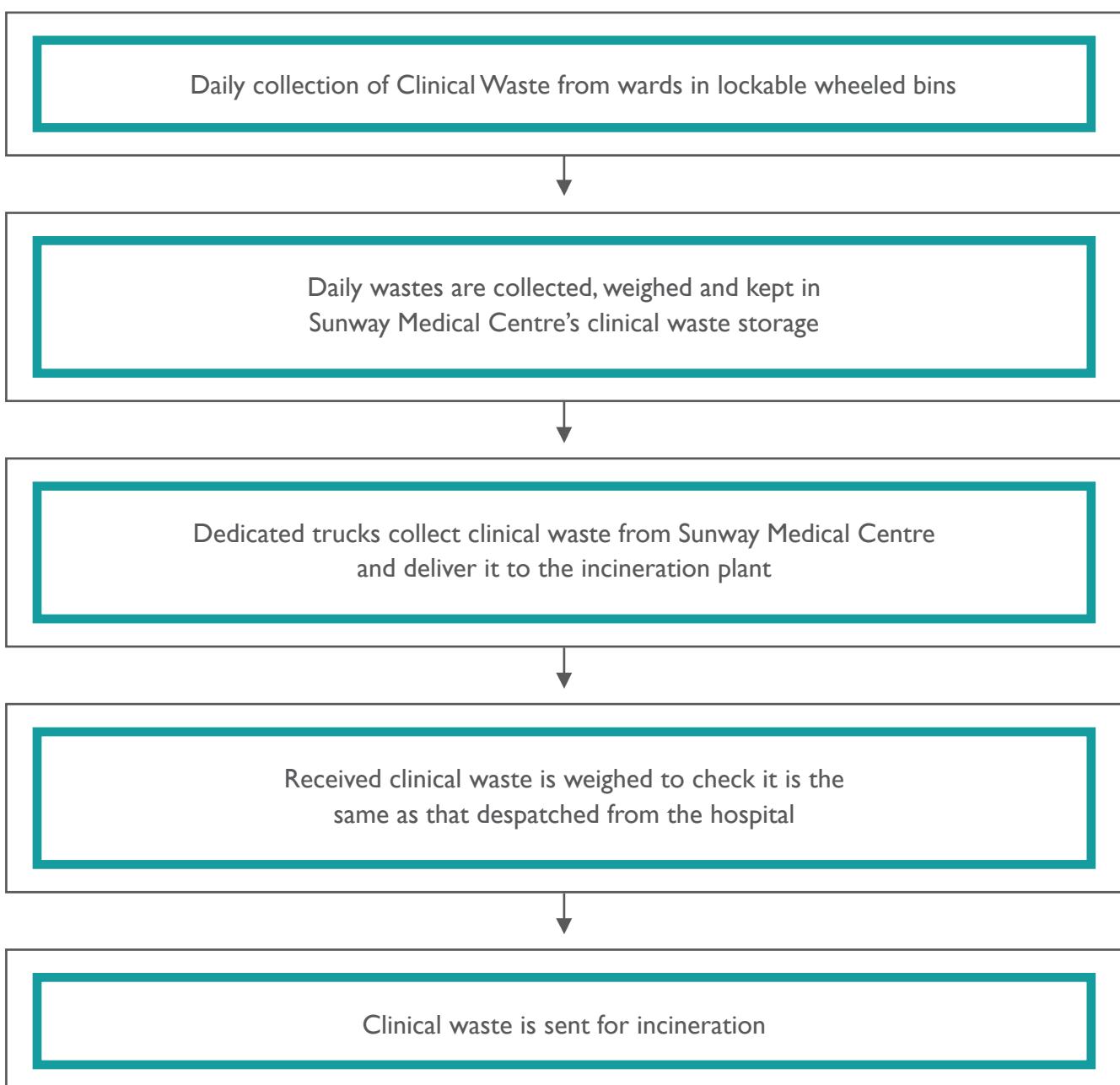


CLINICAL WASTE

Sunway Medical Centre segregates clinical waste where it is disposed of in yellow step-bins which are collected several times each day and are wheeled to the interim Clinical Waste Storage Chamber. They are collected by a licensed contractor and transported to the incineration plant. A clinical waste summary collection report, along with copies of all consignment notes for the month, is sent to Selangor State Department of Environment as per regulations.

WHAT HAPPENS ONCE OUR CLINICAL WASTE HAS BEEN COLLECTED BY A LICENSED CONTRACTOR?

Clinical waste arriving at the incineration plant is weighed before being transferred for disposal. Bins are unloaded into a hopper and cleaned for reuse. The waste is incinerated at over 1,000°C, which is gradually reduced to 280°C in the quenching system and 200°C by the air preheater. The flue gas is passed through a mixture of lime and activated carbon prior to entering the multi-cyclone and filter bag house. The clean flue gas is extracted by an Induced Draft Fan and passed through a 15-metre stack. This process is monitored in real time using a Continuous Emission Monitoring System as required by the Department of Environment.



RECYCLABLE WASTE

Recyclable waste separation is practised in all Sunway properties. Recyclable bins are placed in public common areas or back-of-house.

WHAT HAPPENS ONCE OUR SCHEDULED WASTE HAS BEEN COLLECTED BY A LICENSED CONTRACTOR?

Sunway adheres to the waste packaging and labelling requirements set by the Department of Environment



When our scheduled waste arrives at the incinerator plant, the trucks and their contents are weighed. A waste inspection and sampling team inspects and takes samples of the waste.



The waste containers are bar-coded. Following laboratory analysis, the waste consignment is transferred to temporary storage for treatment or disposal.



The Incineration Plant ensures a thermal destruction efficiency of 99.9999%, which meets DOE licensing conditions for incineration emissions. Scheduled wastes are incinerated and transformed into carbon dioxide, water vapour, hydrogen chloride gas, sulphur dioxide gas, slag and fly ash.



Inorganic liquid wastes such as spent acid and alkaline, chromate and cyanide wastes are treated in the Physical/Chemical Treatment (PCT) Plant.



The solidification/stabilisation plant continues the process of rendering the treated waste from the Physical/Chemical Treatment (PCT) Plant and other processes by solidifying the waste via fixation before being disposed of in secured landfill.

WATER MANAGEMENT

IMPORTANCE OF WATER



- Water is at the core of sustainable development.
- Water is critical for socio-economic development, healthy ecosystems and human survival.
- Water is at the heart of adapting to climate change, linking the climate system, human society and the environment.
- Water is a finite and irreplaceable resource that is fundamental to human well-being. It is only conserved if well managed.

Sunway does its utmost to protect this valuable resource and use it sparingly wherever possible. We monitor the water consumption of all our buildings to identify inefficiencies as they occur. In 2017, Sunway set the baseline for its environmental data in all business units. The development of a centralised environmental data system was pioneered by Sunway Smart Sustainable Committee.

WATER CONSUMPTION (M³)

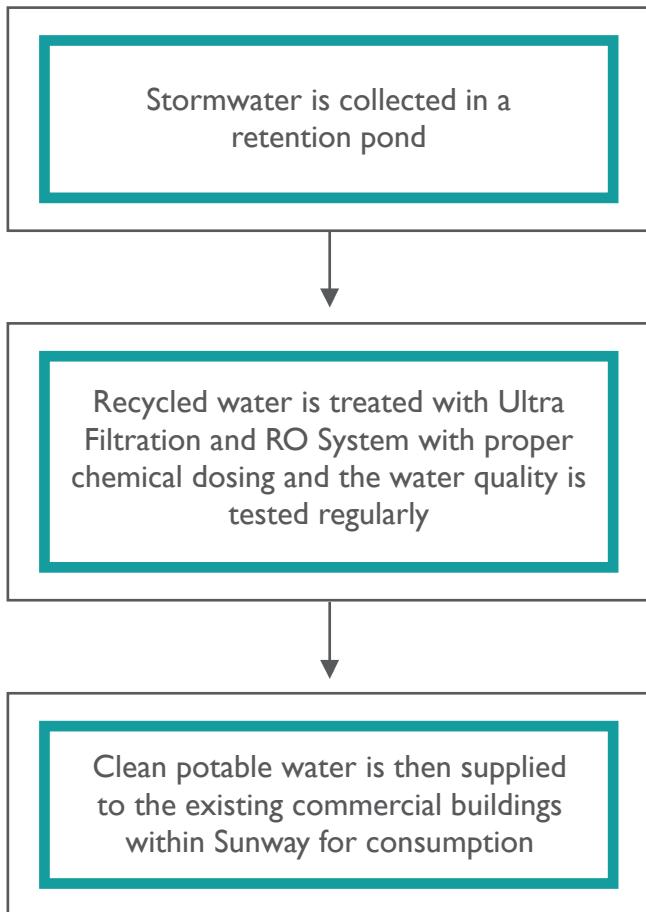
DIVISION	2015	2016	2017
COMMERCIAL	30,289	224,684	211,519
RETAIL	210,278	1,066,269	1,965,306
HOSPITALITY	711,494	667,518	796,511
HEALTHCARE	0	87,189	179,000
EDUCATION	356,052	388,611	384,839
LEISURE	261,750	427,736	513,300
TOTAL	1,569,863	2,862,007	4,050,475

NOTE:

- Water consumption increased significantly in 2016 and 2017 as Sunway was improving the accuracy of its water monitoring processes throughout this time.
- Specifically, in 2017, the water consumption increased by:
 - i. 84.32% in our retail buildings due to two new buildings: Sunway Clio Hotel (Retail) and Sunway Velocity
 - ii. 19.32% in our hospitality buildings due to our new Sunway Clio Hotel building
 - iii. 105% in our healthcare buildings due to the new tower block in Sunway Medical Centre

Sunway reuses storm water for irrigation and general cleaning around Sunway Lagoon. No potable water is being used for irrigation as recycled water reserves last up to 189 days.

CLEANING WATER FOR REUSE



On average, 9,000 m³ of water flows into the South Quay Lake each day. Surface runoff and groundwater is constantly being pumped into nearby monsoon drains and discharged into Sg. Penaga. Sunway's own water treatment plant purifies water from the South Quay Lake for use in existing, new and future commercial buildings. The quality of the treated water meets the Ministry of Health's potable water standards.

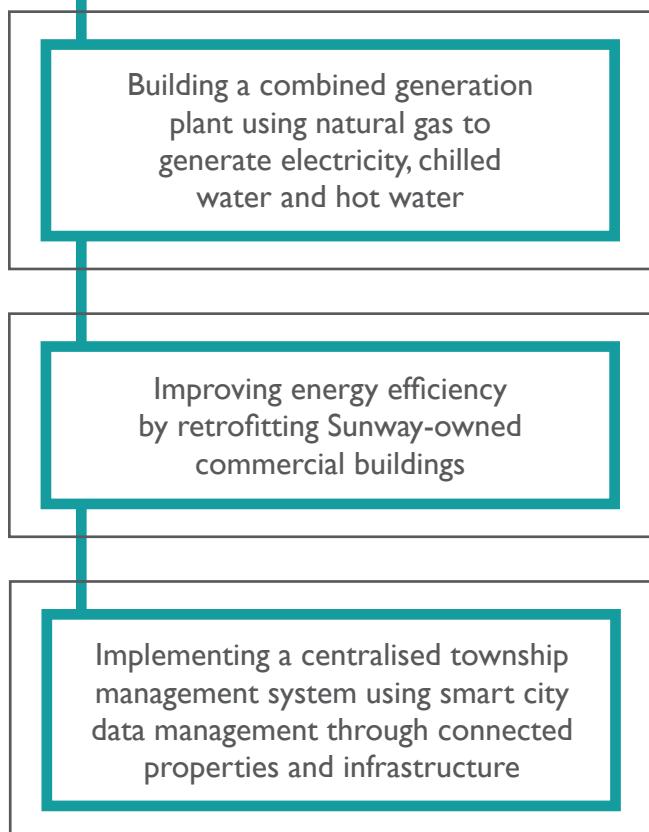
We recycle lake water at Sunway South Quay and Sunway Lagoon with a capacity of 8.5million litres per day

ENERGY MANAGEMENT

Sunway aspires to power Sunway City into a smart sustainable township. The energy efficiency model is summarised below.



SUNWAY SMART SUSTAINABLE CITY ENERGY EFFICIENCY MODEL



Each year, our Sunway Property and Facilities Management (SPFM) team conducts thorough building performance analyses to develop energy management goals for the coming year's energy plan. Each facility is reviewed and an energy performance goal is set at a building-specific level.

In 2016, we began a feasibility study into building a co-generation plant (CoGen) at Sunway City. The study is still ongoing. The power plant will run on natural gas and generate electricity, chilled water and hot water. We aim to reduce our dependency on national grid electricity to 30% with the remaining 70% being generated by the CoGen system.

HOW COGEN IS GREENER

- A CoGen plant is more efficient as it reuses the waste heat generated to produce chilled and hot water
- As the electricity transmission lines from CoGen to our Business Units are shorter, the transmission loss is much lower
- As a CoGen plant operator, we ensure that natural gas is burnt efficiently so that no residue of methane is being released into the environment

Sunway is examining the feasibility of a solar renewable energy drive. We aim to install a solar grid by 2020, by which time the energy-conversion technology should be sufficiently high and the total life-cycle costs will become more viable. In 2017, we installed a 197 kWp solar grid for the canopy walkway from Sunway Geo to Menara Sunway (estimated savings of 200 MWh/year). The next phase of this project covers Sunway University (600 kWp with estimated savings of 818 MWh/year), Monash University (200 kWp with estimated savings of 264 MWh/year), Monash walkway (30 kWp with estimated savings of 38 MWh/year) and Sunway Pyramid (2 MWp with estimated savings of 2,700 MWh/year). These installations are scheduled for completion in 2018.

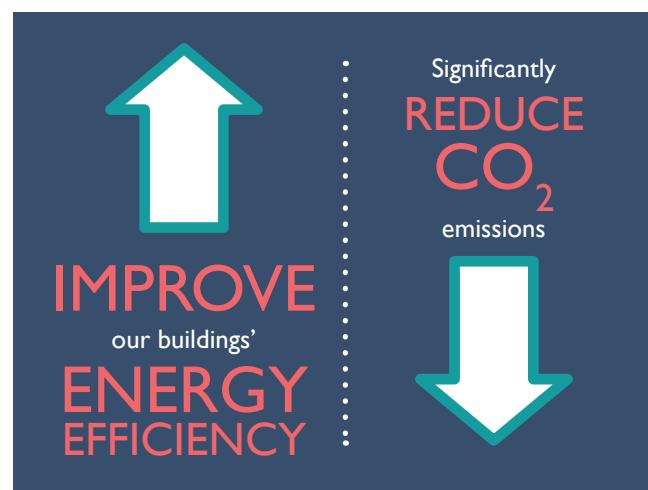
Sunway is examining the feasibility of a solar renewable energy drive. Solar grid installations commenced at various sites in 2017.

Sunway has installed building management systems (BMS) in all of its office towers and buildings. These automated real-time systems:

- Control, monitor and optimise functions that help reduce a building's energy consumption and optimise manpower utilisation.
- Measure the building energy index and overall efficiency. For example, Sunway Pyramid's BMS system comes with the Building Energy Index and Chiller Plant Efficiency (CPE) values calculations.

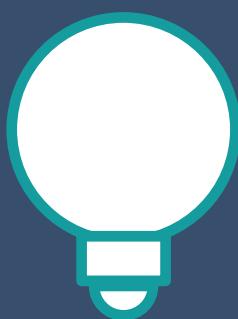
Currently, we are formulating a building automation system with HITACHI to standardise all building energy indices. HITACHI is providing the environmental management system (EMS) with learning capabilities to analyse data collected and provide the best set points to the Building Energy Management System (BEMS) for mechanical and engineering services optimisation.

This will be achieved by updating building automation and control functions in older and less energy-efficient buildings.



A building automation and control system is the building's brain that integrates information for all the building's technology. The building's brain is essential for monitoring and optimising energy use and all other operating costs.

ENERGY-SAVING TECHNIQUES EMPLOYED BY SUNWAY



LIGHTING

- Dimming malls' carpark lighting outside of normal operating hours
 - Using only 30% of lights at office common areas
 - Removing unnecessary lights
 - Replacing all T5 fluorescent bulbs at Sunway Pyramid Hotel and Sunway Pyramid Mall car parking areas with more energy-efficient and longer lasting LED bulbs
 - Replacing incandescent light bulbs with LED alternatives in Sunway Resort Hotel & Spa
 - Installing efficient induction lamps at Sunway Pyramid Mall's loading bay that consume half the energy of conventional lighting
 - Rescheduling lighting
 - Replacing PLC lighting with LEDs in Menara Sunway and Sunway Pyramid Mall common areas
 - Replacing conventional fluorescent lighting with LEDs in the carparks of the remaining Business Units
 - Replacing high-powered SON lighting with LED linear lights in Menara Sunway façade
-



COOLING

- Fully-refurbishing Sunway Pyramid Mall's chiller plant, which increased its efficiency from above 1 to 0.7
 - Running one chiller at maximum capacity with another on standby for peak demand
 - Monitoring chiller plant efficiency at all business units
 - Optimising air conditioning plant operations
 - Installing air curtains that provide energy savings and increased comfort
 - Strategically positioning filtration systems at shopping mall entrances to keep hot air out
 - Adjusting office air conditioning temperature from 23 °C to 24 °C
 - Standardising air conditioning temperature across Sunway Medical Centre between 23 °C and 26 °C, except in operating theatres as per Ministry of Health recommendations
 - Standardising air conditioning temperature in operating theatres between 20 °C and 22.8 °C with relative humidity being between 40% and 70%
 - Managing fresh air entering Sunway City buildings to control humidity
 - Scheduling air conditioning and lighting to switch off after office hours
 - Rescheduling air conditioning
 - Integration of Sunway University buildings to utilise the new and more efficient chillers
-



OTHERS

- Installing sensors at the entrance of escalators
- Installing motion sensors in our office meeting rooms and toilets

ENERGY SAVINGS INITIATIVES COMPLETED IN 2017

BUSINESS UNITS	PROJECTS	SAVINGS RECORDED (RM)
SUNWAY PYRAMID MALL	Car park LED replacement	840,000
	Common area LED replacement	472,000
	CP7 Car Park LED replacement	14,000
SUNWAY UNIVERSITY	Chiller Consolidation	433,000
	Student Unit LED replacement	266,000
WISMA SUNWAY	Chiller Operation Adjustment	15,000

We monitor the energy consumption of all our buildings to identify inefficiencies as they occur. In 2017, Sunway set the baseline for its environmental data in all business units. The development of a centralised environmental data system was pioneered by Sunway Smart Sustainable Committee.

ENERGY CONSUMPTION (kWh)

DIVISION	2015	2016	2017
COMMERCIAL	19,667,618	16,235,422	21,870,370
RETAIL	120,130,357	103,542,360	155,525,643
HOSPITALITY	38,592,988	35,238,405	43,716,422
HEALTHCARE	16,297,121	15,067,505	20,790,000
EDUCATION	28,144,000	28,879,000	26,520,000
LEISURE	11,921,016	12,521,195	13,560,000
TOTAL	234,753,100	211,483,887	281,982,435

NOTE:

In 2017, the electricity consumption increased by:

- 34.70% in our commercial buildings due to the new Sunway Geo building
- 50.20% in our retail buildings due to two new buildings: Sunway Clio Hotel (Retail) and Sunway Velocity
- 24.05% in our hospitality buildings due to our new Sunway Clio Hotel building
- 38.00% in our healthcare buildings due to the new tower block in Sunway Medical Centre

CLIMATE CHANGE AND GREENHOUSE GAS EMISSIONS

Climate change is the most significant challenge facing humanity. The impact from a changing climate continues to affect our global ecological and economic systems, human health and community well-being. Sunway's efforts in tackling climate change help increase energy security, reduce community vulnerabilities and encourage innovation.

Our emissions accounting is based on the internationally recognised GHG Protocol established by the World Business Council for Sustainable Development (WBCSD) and World Research Institute (WRI). Emissions accounting is based on the GHG Protocol classification of direct and indirect emissions.

Direct GHG emissions are produced from sources that are owned or controlled by Sunway. Indirect GHG emissions are emissions that are a consequence of business activities but occur at sources owned or controlled by another entity. The GHG Protocol further categorises these direct and indirect emissions into three broad scopes: direct GHG emissions; indirect GHG emissions from the consumption of purchased electricity; and other GHG emissions. We have adopted this standard for our reporting.

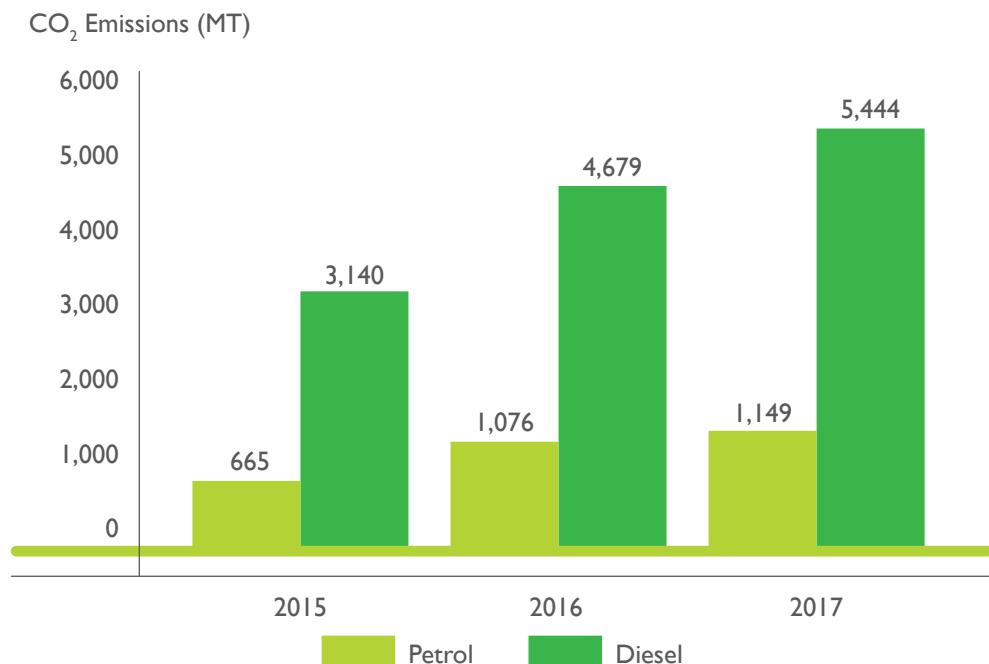
SCOPE	CATEGORY	INDICATORS MEASURED
SCOPE 1	Direct GHG emissions	Company owned vehicles
SCOPE 2	Indirect GHG emissions	Electricity
SCOPE 3	Other indirect GHG emissions	Air travel

SCOPE 1

All fuel purchases are monitored and recorded to calculate GHG emissions from company-owned vehicles. Separate calculations have been performed for petrol and diesel from Group data. The purchases were monitored in Ringgit Malaysia. We have assumed that 80% of the fuel purchases were diesel and the remaining petrol. The volumes of both petrol and diesel were calculated from the average fuel price for the year.

CO₂e emissions from the consumption of fuel were derived from the emission factor published by the IPCC Guidelines for National Greenhouse Gas Inventories.

CO₂e EMISSIONS (MT) FROM COMPANY-OWNED VEHICLES BY FUEL TYPE



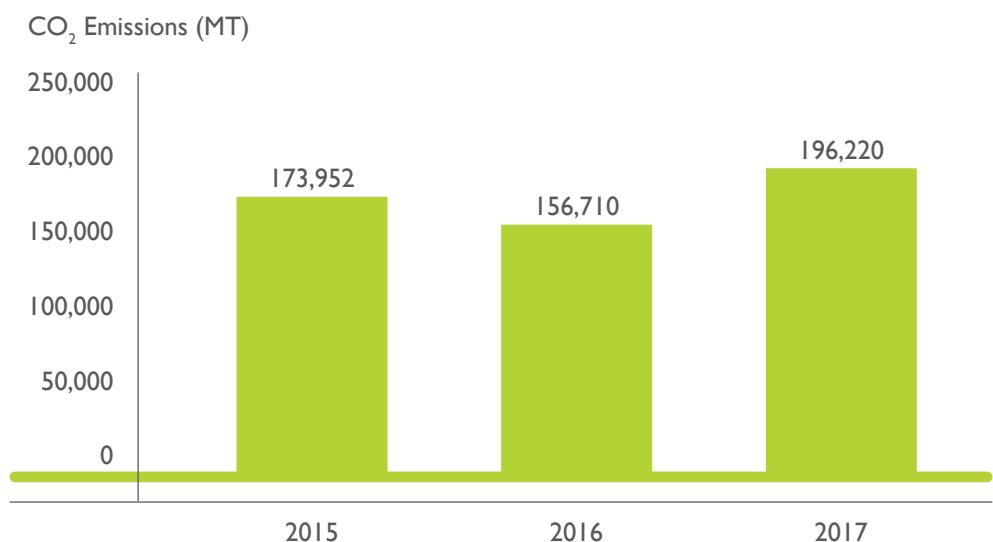
Our company owned vehicles produced an estimated 6,593 MT of CO₂e emissions in 2017.

SCOPE 2

Electricity has been calculated from Group electricity bills. Electricity used by our office buildings, hotels and shopping centres has been used in this calculation.

CO₂e emissions from the use of electricity were derived using the emission factor published by the Malaysian Green Technology Corporation for the Peninsular Grid.

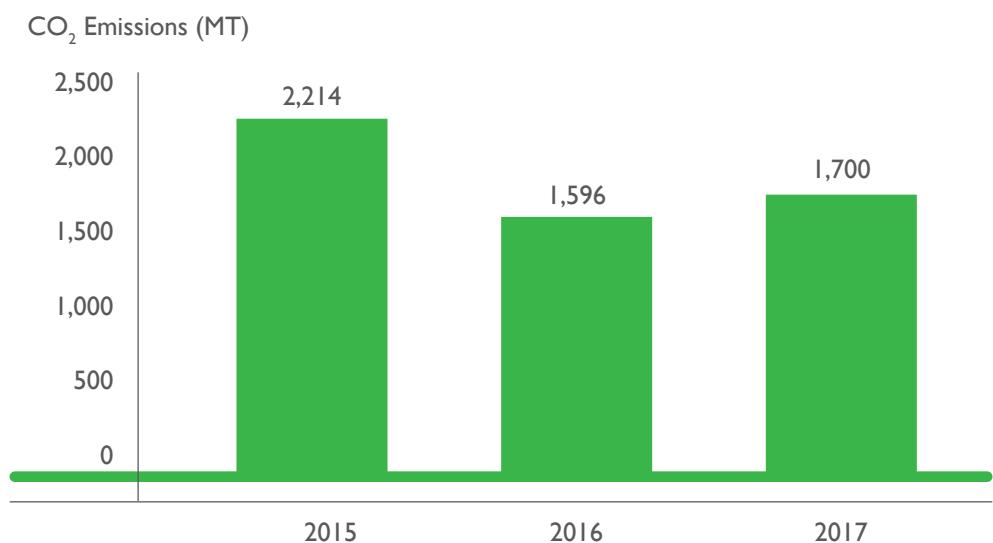
CO₂e EMISSIONS (MT) FROM PURCHASED ELECTRICITY



SCOPE 3

Air travel GHG emissions were calculated point to point including the number of employees on board, distance and flight class. A centralised system is employed for the booking of the majority of short and long haul flights. The WRI GHG Protocol tool for mobile combustion Version 2.6 was used to calculate the CO₂e emissions from air travel.

CO₂e EMISSIONS (MT) FROM AIR TRAVEL



#SUNWAYFORGOOD FOR OUR SOCIETY



For more than four decades, sustainability and responsibility have been an integral part of our business framework as we expand our presence worldwide and work towards a sustainable future.

Sunway is committed to the United Nations Sustainable Development Goals (UNSDGs) and continues to align its business model, operating strategies and corporate culture with sustainable practices and solutions in line with the UNSDG agenda.

Intertwined with Sunway's core values of Integrity, Humility and Excellence, #Sunwayforgood encapsulates Sunway's sustainability and social responsibility efforts as we strive to create a positive and far-reaching impact on the nation and humankind. We actively engage with our stakeholders and the communities we serve through initiatives that advance economic, environmental and social progress so that we deliver enduring growth for thriving communities. #Sunwayforgood is also our pledge that Sunway will continue to do good, and stand alongside Malaysians, for good.

Sunway champions corporate responsibility through three key areas of focus, namely, Education, Healthcare and Community Enrichment projects.

OUR BENEFICIARIES - #SUNWAYFORGOOD PEOPLE RECEIVING AID

2017
53,127
BENEFICIARIES

2016
5,630
BENEFICIARIES

2015
6,335
BENEFICIARIES

2014
2,189
BENEFICIARIES

CHAMPIONING EDUCATION

JEFFREY CHEAH FOUNDATION

The Jeffrey Cheah Foundation (JCF) is a unique, first-of-its-kind structure in Malaysia within the field of private academic institutions and entities. It is governed by a distinguished board of eleven trustees under the royal patronage of HRH the Sultan of Selangor.

JCF aims to safeguard the education institutions it owns and governs in perpetuity, continuing the mandate of the Sunway Education Trust Fund that was established in March 1997. Assets and operating surpluses are used to provide and sustain quality education for present and future generations of students.

JCF had allocated in excess of RM330 million (as of October 2017) worth of scholarships to more than 34,000 deserving students. These scholarships provide opportunities that meet the academic and special talent requirements of students attending Sunway University, Sunway College and other academic institutions of the Sunway Education Group (SEG).

JCF increased the value of scholarships from RM270 million in 2016 to RM330 million in 2017. JCF remains steadfast in its commitment to giving to society through quality and sustainable education.



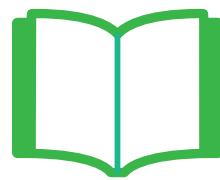
Since 2002, the JCF Community Scholarships provided 20 scholarships each year to those from disadvantaged backgrounds. The number has steadily increased to the current 245. In 2017, JCF also awarded 31 sports scholarships to develop even more world-class athletes.

SUNWAY BACK TO SCHOOL PROGRAMME

Sunway Group brought smiles to 843 students of SK and SMK Bandar Sunway with special back-to-school packages. Each package contained a new school uniform, a school bag, a water bottle and track bottoms for sporting activities to start off the new school year.

Sunway is committed to providing and promoting a lifelong learning opportunity to each and every student so that there is no hindrance to their pursuit of knowledge. This is a step forward for Sunway's commitment to the sustainable development of its communities by improving their quality of life, while encouraging engagement with marginalised societies close to Sunway City.

Our relationship with SK and SMK Bandar Sunway began in 1995 when we helped rebuild SMK Bandar Sunway. Over the years, Sunway's collective contribution to the schools amounts to more than RM4 million.



OUR COMMITMENT FOR 2018

Moving forward, Sunway Group targets a total investment of RM600,000 in reaching out to 1,000 urban poor school children in each region: Penang, Ipoh, Klang Valley and Johor. Rural schools from these regions will be prioritised. Each student will receive two sets of school uniforms, a pair of school shoes and a school bag.

SUNWAY-OXBRIDGE COMPETITION

The Sunway-Oxbridge Essay Competition aims to improve English proficiency in Malaysian schools. The essay competition is organised by Sunway Group, The Oxford & Cambridge Society of Malaysia, Jeffrey Cheah Foundation, Sunway University and Monash University Malaysia.

The online competition is open to secondary school students aged 13 to 17 from public and private schools following the Malaysian syllabus. Endorsed by the Ministry

of Education, the essay competition is in its fourth year and has received more than 8,000 entries for the last three years.

A total of 2,205 essays were received from 373 schools in 2017. These students submitted original English essays on climate action online from 1 to 30 April 2017. Prizes included Sunway Bursaries worth RM190,000 and cash prizes amounting to RM28,000.



Sunway-Oxbridge Competition is in line with The National Transformation 2050 or TN50 in its effort to shape Malaysia's future in the economy, people's welfare and innovation. It is also in line with the National Blueprint 2013-2025 that every child will be at least be operationally proficient in:

- Bahasa Malaysia as the national language; and
- English as the international language of communication.

YEAR	CATEGORY A : FORM 1-3	CATEGORY B : FORM 4-5	TOTAL SUBMISSIONS RECEIVED
2015	941	740	1,681
2016	1,943	2,209	4,152
2017	1,008	1,197	2,205



This competition is an ideal platform to raise awareness and improve education at an early age. In 2017, it helped young people learn and understand the need to combat climate change and its impact. Schools, parents and teachers worked together as a community to inspire the young to share their ideas and opinions on climate action.

ACADEMIC EXCELLENCE PARTNERSHIP

Sunway-ICAEW Professional Pathway is a bespoke programme for young and talented Malaysian students who aspire to be a Professional Member in the Institute of Chartered Accountants in England and Wales (ICAEW) through a sponsored and structured rotation training programme with Sunway. ICAEW is a leading professional membership organisation in accountancy, finance and business.

Malaysia is the fourth country to offer the ICAEW ACA programme after Britain, Cyprus and Greece. Sunway is one of the Authorised Training Employer (ATE) while Sunway-TES is an approved tuition provider for the ICAEW programme.

TEACH FOR MALAYSIA (TFM) PARTNERSHIP

The Jeffrey Cheah Foundation partners with Teach for Malaysia (TFM), an independent, not-for-profit organisation, that enlists Malaysia's most promising future leaders in their mission to end education inequity. In 2017, the Foundation sponsored RM150,000, which brings the total amount of sponsorship to RM450,000 since 2012. The money helped the organisation achieve its mission of reducing the gap between rural and urban schools. Sunway University has also pledged RM1 million in scholarships to deserving students nurtured by TFM, to reduce the post-secondary gap and create opportunities for underprivileged students to pursue quality tertiary education.

HEALTHY COMMUNITY

SMOKE-FREE SUNWAY

Tan Sri Dr Jeffrey Cheah AO, Founder and Chairman of Sunway Group, is a strong advocate of smoke-free workplaces. He has delineated a plan to make Sunway-owned buildings within the 800-acre Sunway City 100% smoke-free by 2018, creating a healthy and smoke-free environment for stakeholders.

The smoke-free township is expected to free an estimated 200,000 residents, including 40,000 students, from the harmful effects of cigarette smoke.

In 2017, we collaborated with other corporations and NGOs to advocate a smoke-free workplace.



MILESTONES

2013

Blue Ribbon Campaign and Award

ceremony at Sunway city

Blue Ribbon Award

to Sunway Medical Centre, Sunway University and Monash University Malaysia

Sunway Pyramid Mall

- Awarded Malaysia's First Health Promoting Mall by MYSIHAT
- Declaration by Tan Sri Dr Jeffrey Cheah AO that all Sunway-owned buildings must be 100% smoke free by 2018 at the World No Tobacco Day 2014 Launch at Sunway City

2014

Brainstorming

- of Sunway Smoke-Free Work Place Policy with MOH & MYSIHAT
- of National Smoke-Free Work Place Policy with Ministry of Health, Malaysia

Sunway Smoking Cessation Programme

was established in November 2015 and rolled out in 2016

Sunway Policy Statement

through signage

Sunway Smoke-Free Signage

installed in all Sunway-owned buildings in Northern, Central and Southern Regions —
200 in total

Sunway Smoke-Free Work Place Policy

established and communicated to all staff via e-mails and Group Knowledge Portal

Incorporated into HR Policies and Procedures

Briefing to all HR Personnel in the HR Council Meeting

Collaboration

- with other corporations and NGOs to advocate a smoke-free workplace
- with Johnson & Johnson on smoking cessation programme
- with MYSIHAT and MOH on World No Tobacco Day Celebration 2017

Collaboration between Ministry of Health, Polis DiRaja Malaysia and Sunway Group by granting Sunway Auxiliary Police authority to issue notices of offence to anyone caught smoking in the non-smoking areas



CLEAN AIR PROJECT – A SMOKE-FREE ENVIRONMENT

The Clean Air Project is a smoke-free environment initiative championed by Sunway REIT. Close to RM55,000 has been invested in this campaign which was launched from 8 May to 14 May 2017. Malaysian artists painted three mural walls at the common smoking corners of Sunway Pyramid Mall to support the campaign and to help create public awareness on smoking hazards: on the LG2 exterior behind AnViet, the ground floor exterior next to Sephora and the ground floor exterior behind the SP3 Link Bridge adjacent to Sunway Pyramid Link Bridge. The primary targets of this campaign are shoppers, tenants, students, residents and visitors.

On a separate occasion, the Kuala Lumpur City Hall (DBKL) declared 141 pedestrian walkways, elevated walkways and covered bridges spanning over 20 km in the city as no-smoking zones. As an ardent advocate for smoke-free workplaces, Sunway Group Founder and Chairman, Tan Sri Dr Jeffrey Cheah AO, was present at the launch of KL Bebas Asap Rokok di Jejantas dan Laluan Pejalan Kaki Berbumbung 2017 on 19 May 2017. The launch took place at the elevated pedestrian bridge connecting Sunway Putra Mall and PWTC.

SUNWAY MEDICAL CENTRE HELPS SMOKERS TO QUIT SMOKING

Sunway Medical Centre partners with the Ministry of Health to provide smokers with support to quit smoking through its programme, mQuit.

With mQuit, Sunway Medical Centre along with nine organisational partners commit to smoking cessation in support of the national agenda for a smoke-free generation by 2045. Sunway Medical Centre's contributions to the mQuit programme include running smoking cessation clinics and contributing both technical expertise and training to promote the popularity of smoke-free workplaces and a smoke-free environment.

OUR COMMITMENT FOR 2018

Moving forward, Sunway Auxiliary Police are authorised to issue notices of offence to anyone caught smoking in non-smoking areas following Sunway's collaboration with the Ministry of Health and Polis DiRaja Malaysia.

MAKLUMAN

POLIS BANTUAN SUNWAY AKAN MENGUATKUASAKAN PERATURAN –PERATURAN KAWALAN HASIL TEMBAKAU 2004 DI KAWASAN LARANGAN MEROKOK DALAM PENTADBIRAN SUNWAY

JIKA ANDA DIDAPATI MEROKOK DI DALAM KAWASAN LARANGAN, ANDA BOLEH DIKENAKAN DENDA TIDAK MELEBIHI RM10,000.00 ATAU 2 TAHUN PENJARA

Peraturan Peraturan Kawalan Hasil Tembakau 2004



SUNWAY'S AUXILIARY POLICE WILL ENFORCE THE 2004 REGULATION FOR THE CONTROL OF TOBACCO PRODUCTS IN NON-SMOKING AREAS WITHIN THE PREMISES OF SUNWAY- OWNED BUILDINGS.

IF YOU ARE FOUND SMOKING IN A RESTRICTED AREA, YOU WILL FACE A FINE OF NOT MORE THAN RM10,000.00 OR A MINIMUM OF 2 YEARS IN PRISON

The Control of Tobacco Product Regulations 2004

SUNWAY THE GOOD RUN

Sunway The Good Run is a three-day event and a pledge to run for sustainable living and health. The run was championed by Sunway Property and Sunway Medical Centre in partnership with Prasarana Malaysia Berhad and Majlis Perbandaran Subang Jaya. It cultivates sustainable living practices before, during and after the run. This unique festival encourages our community to adopt sustainable living. In 2017, the 15 km run took place along the elevated tracks of the Bus Rapid Transit (BRT) - Sunway Line.

SUNWAY THE GOOD RUN 2017 IMPACT



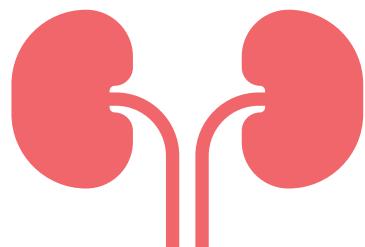
- Mineral water is served in collapsible cups rather than paper cups or plastic bottles
- Recycled polyethylene terephthalate or recycled PET (RPET) Dri-FIT tees
- 6,000 participants
- RM200,000 raised was donated to Cancerlink Foundation

More than 10,000 of 1 litre plastic bottles were saved as a result of our 'No plastic bottles' at the Sunway the Good Run. Water bottles are made of completely recyclable polyethylene terephthalate (PET) plastics. PETs do not biodegrade, they photodegrade, which means they break down into smaller fragments over time. Those fragments absorb toxins that pollute our waterways and contaminate our soil. Plastic trash also absorbs organic pollutants such as BPA and PCBs. They may take centuries to decompose while sitting in landfills.

According to Ocean Conservatory, plastic bottles and plastic bags are the most prevalent form of pollution found on our beaches and in our oceans. Ten percent of the plastic manufactured worldwide ends up in the ocean, the majority of that settling on the ocean floor where it will never degrade.

LIFTING SPIRIT OF KIDNEY FAILURE PATIENTS

Each year, 7,000 Malaysians are diagnosed with kidney failure. The majority of National Kidney Foundation's (NKF) patients are financially-challenged elderly individuals aged between 50 and 65 who are unable to afford the higher costs of private medical facilities.



The Jeffrey Cheah Foundation (JCF) hosted its fifth benefit performance, Choral Serenade to Music, with Sunway University on 17 August 2017. The performance featured one of the United Kingdom's leading collegiate choirs, University of Cambridge's Choir of Gonville and Caius College, accompanied by the Malaysian Philharmonic Orchestra.

The concert raised RM400,000 which was presented by Tan Sri Dr Jeffrey Cheah AO to Tan Sri Dato' Dr Abu Bakar Suleiman, the President of the NKF. The Sunway Group is a long-time supporter of the NKF and has contributed over RM2.5 million in total.

Sunway Group also celebrated Lunar New Year with the NKF at its headquarters, bringing smiles to 73 financially-challenged kidney failure patients. The patients came from eight dialysis centres across Klang Valley: Pusat Dialisis NKF – Kelab Apex, Bakti, Good Health, Charis, Rotary Damansara, Dato Dr. GA Sreenevasan, Nanyang and Fungates Superflow.

Following the celebration, we presented two dialysis machines worth RM100,000 to NKF. These machines will benefit thousands of patients with kidney failure who are treated at the Pusat Dialisis NKF – Rotary Damansara in Selangor and the Pusat Dialisis NKF – Yayasan Pembangunan Keluarga Darul Ta-zim in Johor Bahru.

The contribution helped Sunway build sustainable communities through social inclusion. Hopefully, NKF patients can restore their dignity and improve their ability to contribute to society.

In 2017, Sunway donated 10 life-saving dialysis machines which are placed in seven NKF centres across Malaysia. Each machine is capable of helping six patients at 13 dialysis sessions per month. This translates to 936 dialysis sessions per year.

YOU CAN SAVE LIVES: BLOOD DONATION DAYS
Human blood is irreplaceable and obtaining it from a healthy donor is the only safe way of replenishing stocks. Blood donations save lives and are also good for the donor's health. Sunway Resort Hotel & Spa organises a quarterly blood donation campaign to help increase the supplies of the blood bank of Pusat Perubatan Universiti Malaya. In 2017, blood donations were held on 13 March, 29 June, 28 September and 22 December 2017.

This programme is always warmly received, with the hotel's EXCO, management and employees of all levels taking part. Health specialists, including eye doctors, offer employees medical advice.

INCLUSIVE SOCIETY

FIGHT AGAINST POVERTY AND HUNGER

#ZEROFOODWASTAGE

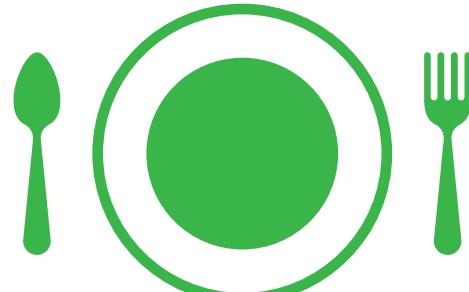
In fostering a better future for the communities in which Sunway builds, serves and lives, this global movement and commitment to ending hunger is especially important, particularly for the most vulnerable homeless and urban poor. Sunway Resort Hotel & Spa joined forces with the Kechara Soup Kitchen Society in May 2017 for the Zero Food Wastage project. The hotel partnered with the Kechara Soup Kitchen Society by donating surplus food from their buffets to feed the homeless and urban poor. This surplus consists of cooked food that has been placed in the warmer but not served at the buffet line.

This initiative was anchored by Sunway Resort Hotel & Spa from 27 May 2017 onwards. Redistributing surplus food alongside the Kechara Soup Kitchen Society allows us to give back to the community.

As at 31 December 2017, over 7,179.30 kg of food has been collected and distributed to 28,717 people in the surrounding communities since the programme began.

OUR COMMITMENT FOR 2018

We will include our other hotels such as Sunway Putra Hotel Kuala Lumpur in this initiative



RISE AGAINST HUNGER – AID FOR THE
UNDERNOURISHED COMMUNITY

In conjunction with Malaysia's 60th National Day, Sunwayians around Malaysia came together in support of their most underserved fellow Malaysians through the Rise Against Hunger Meal Packing Programme.

790 Sunwayians packed 240,000 meals over four days at four locations across Malaysia to feed 4,000 individuals.

**Sunway Lost
World Hotel,
Ipoh**

- 3 August 2017
- 60,000 meals

**Sunway
Hotel
Seberang
Jaya, Penang**

- 5 August 2017
- 60,000 meals

**Sunway
City, Kuala
Lumpur**

- 11 August 2017
- 60,000 meals

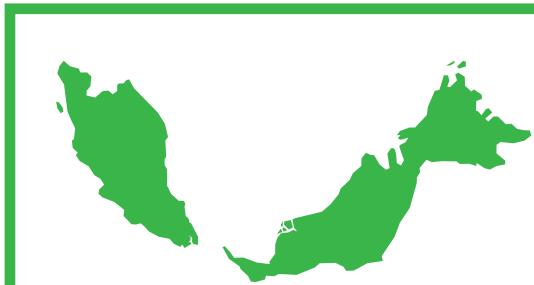
**Sunway
Iskandar**

- 18 August 2017
- 60,000 meals

This initiative is Malaysia's largest corporate meal-packing effort to feed the hungry in Malaysia. These highly-nutritious packed dehydrated meals, comprising rice, soy, vegetables and flavouring, contain 21 essential vitamins and minerals. Each package can serve six individuals and costs approximately RM 1.00 to make. These meals were distributed to welfare homes, refugee schools, Orang Asli communities and the urban poor.

**IMPACT RESULTING FROM
SUNWAY RISE AGAINST
HUNGER - AID FOR
THE UNDERNOURISHED
COMMUNITY**

YEAR	NUMBER OF VOLUNTEERS INVOLVED	NUMBER OF MEALS PACKED AND DISTRIBUTED
2015	580	120,000
2016	200	40,000
2017	790	240,000



OUR COMMITMENT FOR 2018

We are looking to double the number in 2018. Meals will be packed in Selangor, Johor, Perak, Penang and Sarawak and distributed in communities around Sunway Lost World Hotel, Ipoh, Perak; Sunway Hotel Georgetown, Penang; Sunway Medical Centre, Sunway City, Selangor; Sunway International School, Sunway Iskandar, Johor and Sunway College Kuching, Sarawak.

SHARE BECAUSE YOU CARE CAMPAIGN – GROCERY DISTRIBUTION

The Groceries Distribution campaign is a collaboration between Sunway, Hilti Corporation and Kechara Soup Kitchen Society. Volunteers from Sunway and Hilti Corporation distributed close to 2,308 kg of groceries collected across seven locations including Sunway Pyramid Mall, Sunway Giza Mall, Sunway Carnival Mall, Sunway Velocity Mall, Sunway Putra Mall, Menara Sunway and the Hilti headquarters throughout the whole month of August 2017. Volunteers distributed groceries to 100 urban poor families in Klang Valley and 20 in Penang. These families had been identified by the NGO partner, Kechara Soup Kitchen Society.

Kechara Soup Kitchen Society also collected, weighed and stored the groceries from the collection points prior to distribution.

Sunway's business units have worked on combating hunger since 2001 when conducting their inaugural Grocery Collection and Rise against Hunger meal packing programme. However, this is the first year that Sunway has involved the public by encouraging contributions at collection points across its five malls.



2,308 kg of groceries were collected
and distributed through the
Share Because You Care Campaign

SUNWAY HOTEL PHNOM PENH WORKS TO FREE CHILDREN FROM POVERTY

Pour un Sourire d'Enfant (PSE) is a charity regulated by the French Law of Associations. PSE's mission is to help children escape destitution and lead them to decent, skilled and well-remunerated jobs. Each child must be allowed to develop healthily, both physically and psychologically, and also be well educated. Six main programmes, customised to the children's needs, help achieve this. The programmes cover the broad topics of food, health, protection, education and schooling, vocational training and help for families.

Sunway Hotel Phnom Penh supports PSE in several ways. Previously, the hotel donated divans and mattresses to help these children. The hotel also gave PSE students an opportunity to join the hotel's internship programme. These children were exposed to working life in various divisions such as the front office, food and beverage, kitchen and housekeeping.

#SUNWAYFORGOOD TO HANOI

Kelab Sosial Sunway (KSS) organised a five-day CSR trip to Hanoi, Vietnam, in collaboration with Sunway Hotel Hanoi. KSS is a sports and recreational club for Sunway employees.

With our commitment to our communities through the #Sunwayforgood pledge, it has become more important than ever to reflect our social responsibility beyond Malaysia.

During the trip, the Sunway team spent half a day visiting the Hanoi Nursing Care for Elderly and Disabled Children. The Nursing Centre is home to children and old folks affected by physical or mental disabilities including those caused by the Vietnam War. A total of RM12,900, which was raised from employees' donations, was used to purchase a meat freezer, wall fans, linoleum mats, toiletries and groceries.

TRADITIONAL MASSAGE BY VISUALLY IMPAIRED THERAPISTS AT OUR HOTELS

Independence is important as it provides a certain freedom. Finding a job is difficult for the visually-impaired as few professions are taught to them. We are committed to diversity and equal opportunity and provide visually-impaired therapists with an opportunity to practise traditional massage services upon guests' requests at Sunway Resort Hotel & Spa and Sunway Pyramid Hotel.

SUNWAY HOTEL HANOI LAUNCHED A PROJECT TO SUPPORT VIETNAMESE UNDERPRIVILEGED YOUNGSTERS

On 24 June 2017, Sunway Hotel Hanoi in collaboration with the Quynh Hoa Charity Vocational Training Centre launched a project which supports Vietnamese underprivileged youth by giving them the opportunity to earn regular income from quilling handicrafts products. It is Sunway's first project that supports Vietnamese underprivileged youngsters.

The project offers the disadvantaged in the Quynh Hoa Centre a steady market for their quilling handicrafts from paper such as pictures, cards and jewellery boxes. These products are selected, presented as souvenirs to the hotel guests and displayed and sold at the hotel lounge.

SUNWAY'S JOB TRAINING PROGRAMME FOR STUDENTS WITH SPECIAL NEEDS

Established in 2000 at SMK Bandar Sunway, Kelas Pendidikan Khas (special assistance class) helps students with learning disabilities and disorders. In 2006, Sunway Group began helping Kelas Pendidikan Khas enrich the lives of students with special needs such as Down syndrome, autism, hyperactivity and William's syndrome. Students were also selected for the Sunway Job Training Programme for Special Students.

This programme introduces life skills to these children. The curriculum is recommended by special needs educators as they are familiar with the students' capabilities and adaptability to the situation and subject.

BENEFITS TO KELAS PENDIDIKAN KHAS STUDENTS



- Provides job training and exposure
- Develops critical skills that help in future employment
- Three days a week on-the-job training for six months provided by Sunway Medical Centre, Sunway Pyramid Mall, Sunway Lagoon and Sunway Resort Hotel & Spa
- 3-month basic patisserie training by Sunway University
- Supervised by experienced personnel
- Improves students' confidence, independence and social skills

To date, 100 students from various ethnic backgrounds have graduated from the programme and almost all have secured jobs after graduating from the programme.

HEARTS OF GOLD PROJECT

Generating Opportunities for the Learning Disabled is the vision and principal objective of the Association of Learning Disabilities. GOLD is the registered short name for the association.

Sunway Group and Jeffrey Cheah Foundation have collaborated with GOLD, pledging RM100,000 to fund the development of an ongoing social enterprise business model for the learning disabled.

In addition, Sunway Resort Hotel & Spa hosted GOLD students for an afternoon learning activity on table setting and napkin foldings from 2:00pm to 5.30pm on 29 March 2017.

EMPOWERING LESS-ABLE AND AUTISTIC ADULTS TO EARN A DECENT INCOME

Sunway Putra Hotel Kuala Lumpur organised an event to raise awareness of Seven Tea One, an enterprise that helps the less-abled and autistic community earn a decent income through the packing and sale of tea. The event was held at The Atrium Lounge on 14 September 2017 and was attended by the hotel's general manager and the founder of Seven Tea One.

Seven Tea One provides a safe and conducive working environment for those with autism to pack tea. All teas use local herbs, spices and flowers and the ingredients are sourced from small-scale family-run urban farms and community gardens located in the Klang Valley. All teas are processed without using chemicals, preservatives or caffeine.

The hotel also purchased their teas and placed them on the beverage menu at The Atrium Lounge.

RM1 MILLION CONTRIBUTIONS TO THE SELANGOR YOUTH COMMUNITY

Sunway continued to extend contributions of RM1 million to the Selangor Youth Community (SAY) for a second consecutive year to support youth development and most importantly inclusivity to ensure that marginalised and underprivileged groups are not excluded. SAY is the brainchild of His Royal Highness, The Raja Muda (Crown Prince) of Selangor. SAY emanates from his desire to see Selangor as a vibrant, energetic and engaged youth community. A healthy lifestyle and concept of wellness is very much part of the ethos and goes hand in hand with the ethos of Sunway Group.

RAJA MUDA OF SELANGOR'S VISION FOR SELANGOR YOUTH

CREATE A VIBRANT, ENERGETIC AND ENGAGED YOUTH COMMUNITY

.

PROMOTE HEALTHY LIFESTYLE AND CONCEPT OF 'WELLNESS' AMONGST YOUTH

.

PROVIDE ACCESSIBLE PLATFORM FOR YOUNG LOCAL RETAIL ENTREPRENEURS

Our contribution of RM1 million supports the focus areas of Sports and Wellness; Arts and Creative, Entrepreneurship; and Community Service and Outreach. More than 9,770 individuals have benefited from our contribution of RM1 million to SAY in 2017. They include poor families, vendors, artists and the general youth.

OUR COMMITMENT FOR 2018

RM1 million to continue our partnership with the Selangor Youth Community (SAY)

The SAY initiatives and programmes funded by Sunway's contribution were reviewed and deemed both relevant and impactful to the youth community in Selangor.

iM4U FM FABRIK KASIH BERSAMA SUNWAY 2017

iM4U fm Fabrik Kasih bersama Sunway 2017 is an initiative by iM4U fm in collaboration with Sunway Group. In 2017, this programme marked a three-year milestone, running its educational welfare programme with three designers in three different locations: Kuala Lumpur, Perak and Penang. The programme gave joy and hope to those less fortunate by blessing them with brand new Hari Raya clothes and newly refurbished homes.

The programme featured local fashion designers such as Tengku Syahmi, Zakwan Anuar and Fuzana Mokhtaza. It encouraged fashion design students from GIATMARA Malaysia and Kolej Vokasional to tailor a specially created Hari Raya collection, mentored by the featured designers. The finished creations were presented to the beneficiaries of the initiative.



Over the years, Sunway Group has celebrated major festive seasons with more than 80,000 people from all walks of life across Malaysia.

Sunway Property and Sunway Construction contributed by performing light refurbishment work on nine homes across the three states. The National Kidney Foundation, a long-time partner of Sunway Group, supported the event by delivering a School Outreach Programme for the child beneficiaries. The programme consisted of a health awareness talk and several educational activities.

LIVES WE HAVE TOUCHED THROUGH THE IM4U FM FABRIK KASIH BERSAMA SUNWAY

2016

150 volunteers • 275 beneficiaries



2017

300 volunteers • 405 beneficiaries

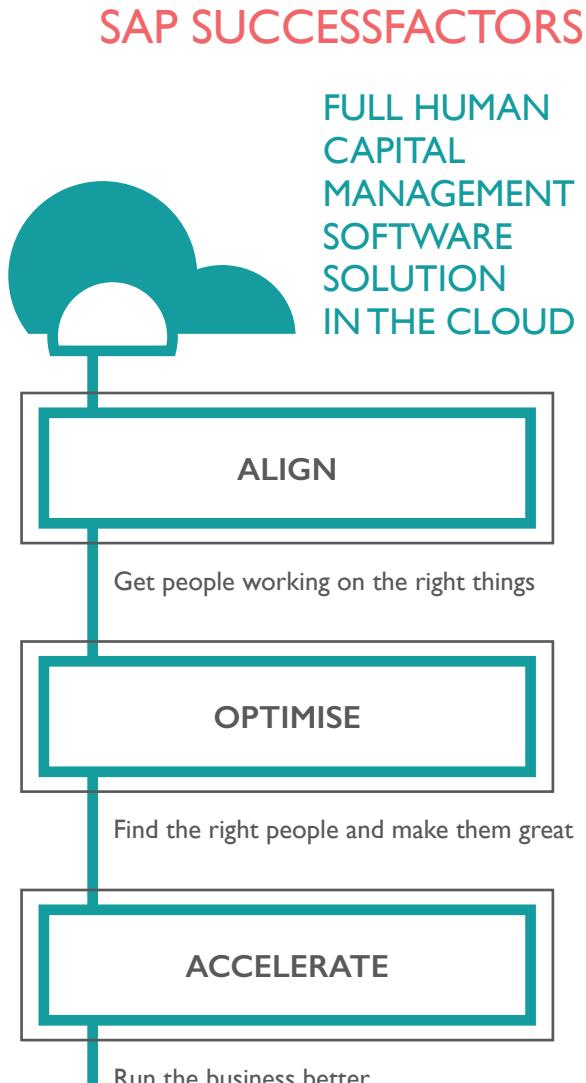


#SUNWAYFORGOOD FOR OUR PEOPLE

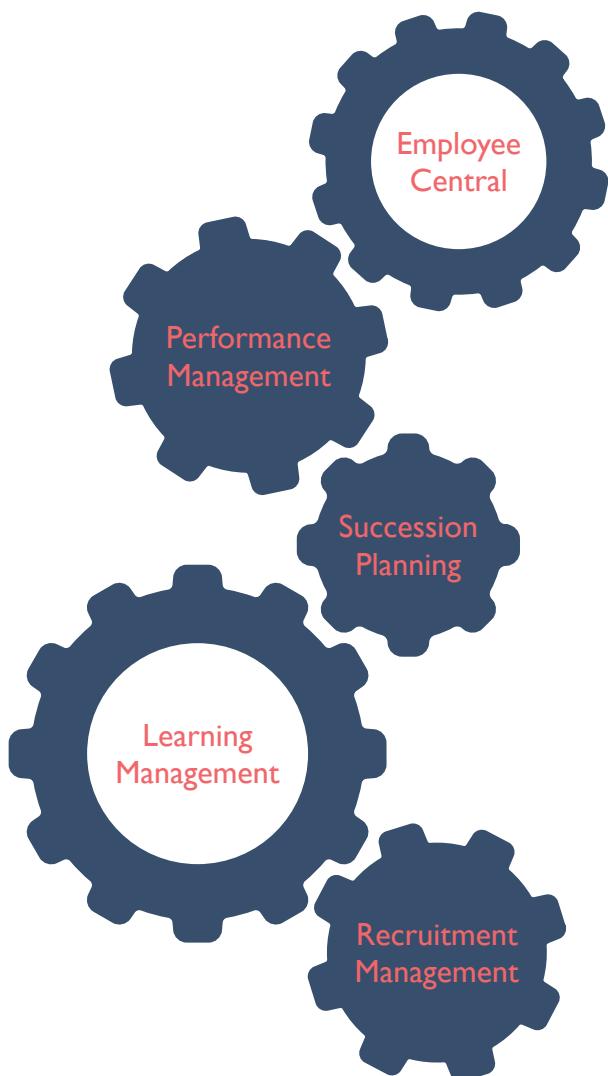


HR TRANSFORMATION: UNIFIED HR SYSTEMS

In 2016, we implemented SAP SuccessFactors, a full Human Capital Management software solution in the cloud to capture a single and integrated source of records for all workforce data.



WHAT COMPONENTS ARE BEING INTEGRATED?



This system marked a significant transformation in the history of Sunway's Human Resources journey. Our managers and employees have started using the system in the areas of employee self-service — Performance Management, Learning Management, Recruitment Management and Talent Management.

As part of our transformation journey, we have benchmarked against industry best practices and embraced technology with SuccessFactors which resulted in an integrated Human Capital Management system.

Moving forward, we aim to fully embrace the new SAP SuccessFactors system including all Sunway employees across all business units.

SUNWAY: FAMILY-FRIENDLY ORGANISATION

Sunway understands that providing family-friendly workplace practices is not merely giving employees what they want when they want. There is a shift in work attitudes and we acknowledge that employees have a life outside of work.

PARENTAL SUPPORT

CARE FOR WORKING MOTHERS

Our premises offer designated car parks and escort assistance is also provided by the security office. Mothers' rooms provide convenience to working mothers and other visitors. Mothers' rooms are located at Menara Sunway, Sunway Malls, Sunway Medical Centre, Sunway University, Monash University Malaysia and Sunway Hotels.

PRESCHOOL / EMERGENCY DROP-OFF CENTRE

The R.E.A.L Kids preschool centre was established as a result of a strategic alliance between Sunway and R.E.A.L. Employees and parents working nearby are given the convenience and accessibility to pick-up and drop-off their preschool children. Mothers may also opt to send their children to The Parenthood Emergency Drop-Off Centre in Sunway Pyramid Mall.

CHILDCARE SUBSIDY

Sunway partially subsidises the tuition fees for R.E.A.L Kids Sunway and The Parenthood if parents are employees. This subsidy is available for up to two children per family for a maximum of RM200 per month per child. Childcare subsidies of up to RM2,400 are tax exempted.

EXTENDED MATERNITY LEAVE

Sunway is one of the many progressive companies that allows female employees to opt for an extended 30 consecutive days of unpaid maternity leave in respect of each confinement of five surviving children. This is in addition to the statutory 60 days and both are inclusive of rest days and public holidays.

PATERNITY LEAVE

Sunway recognises that male employees also appreciate parental bonding with their newborn babies. Three days paternity leave is offered to fathers to allow them to bond with their children and support their partners.

CHILDCARE AND/OR PARENTAL CARE LEAVE

Starting 2017, employees are allowed to apply for Childcare and/or Parental Care Leave up to two working days as part of Special Leave for employees to take care of their young children and/or parents.

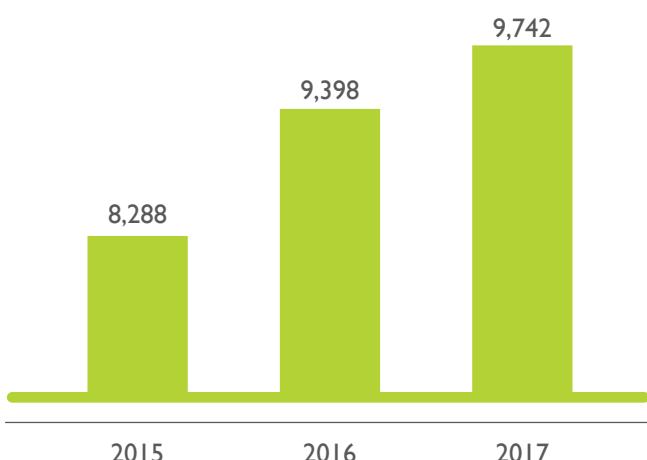
FLEXIBLE WORK ARRANGEMENT

In supporting working mothers in their commitment to family obligations, they may opt for a different start and end time as long as they fulfill the working hours stipulated in their employment letter.

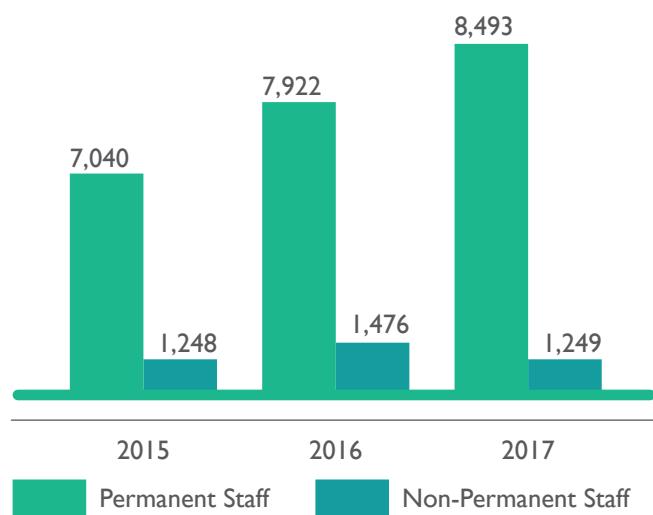
A DIVERSE WORKFORCE

We are proud to work in an organisation that reflects the communities in which we live. Both diversity and inclusion are embraced at every level of the company. The differing backgrounds, opinions, experiences and perspectives of employees strengthen the business. A truly collaborative workplace is essential for our continued growth as a diversified conglomerate with a multitude of businesses.

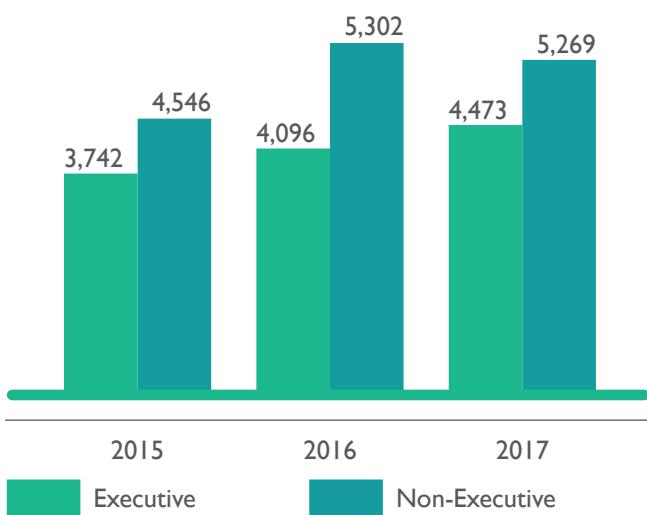
WORKFORCE GROWTH



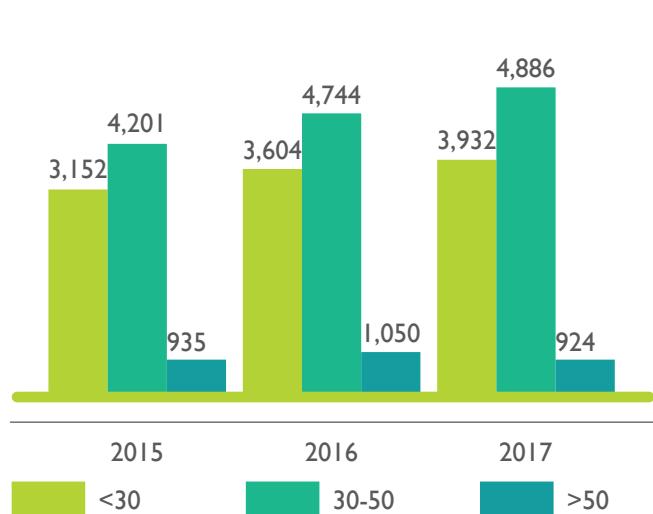
WORKFORCE BREAKDOWN BY EMPLOYMENT TYPE



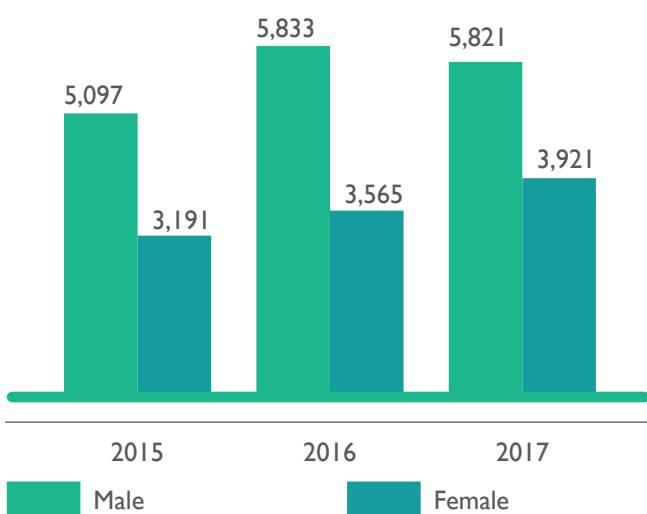
WORKFORCE BREAKDOWN BY CATEGORY



WORKFORCE BREAKDOWN BY AGE



WORKFORCE BREAKDOWN BY GENDER

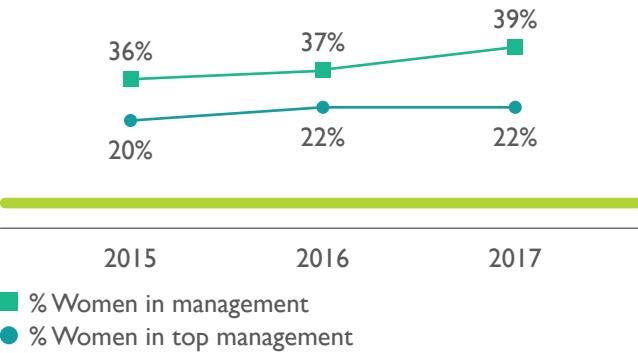


WORKFORCE BREAKDOWN BY ETHNICITY



Maintaining a positive, dynamic working environment with competitive compensation and career options is key to retaining employees.

WOMEN IN MANAGEMENT



EMPLOYEE TURNOVER	2015	2016	2017
BY GENDER			
MALE	784	847	905
FEMALE	897	748	825
BY AGE GROUP			
<30	962	845	998
30-50	628	656	657
>50	91	94	75



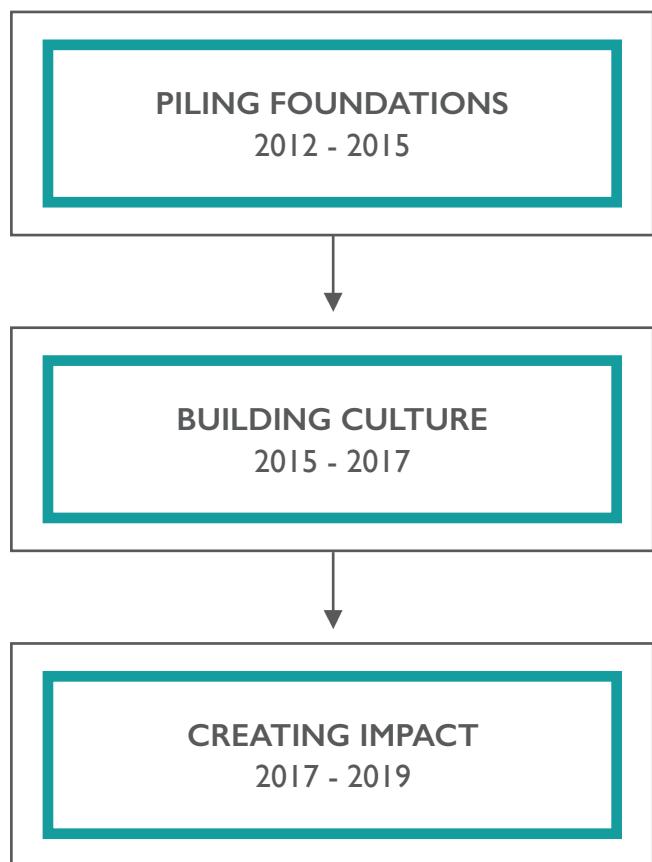
ENSURING EMPLOYEES' WELLBEING

We measure employee engagement on three fundamental pillars of individual behaviour.



We engage Aon Hewitt to gather feedback from our employees each year. In 2017, 7,250 employees responded to the survey, which was conducted from 18 July to 8 August, achieving a group response rate of 93%. Our engagement model does not merely measure employees' satisfaction with each of these drivers. Areas for improvement are also identified based on their potential impact on engagement and business performance. Sunway's overall employee engagement score was good.

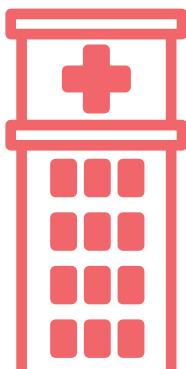
SUNWAY ENGAGEMENT ROADMAP



Currently, we are at the third stage of our engagement roadmap, which focuses on creating impact.



SUNMED RESIDENCE FOR IMPROVED EMPLOYEE WELLBEING



SunMed Residence is a carefully planned residential project built to house our growing Sunway Medical community. The Residence will consist of 70 fully-furnished units with 180 parking lots. It will be able to house 600 of Sunway Medical Centre employees and students. Embracing community living, it allows residents to live, learn, work and play in a safe, healthy and connected environment. Residents will consist of Sunway Medical Centre employees, sponsored students and nurses. The first batch of residents is expected to move in by March 2018.

KELAB SOSIAL SUNWAY (KSS)

KSS supports the Group's sustainability agenda and independent activities. Peninsular Malaysia employees from the Central region, Ipoh, Penang and Johor Bahru join KSS, which hosts various sports and recreational activities. Fitness, disaster relief, donations and sustainability initiatives are also conducted.

KSS OBJECTIVES

- Support the Group's CSR activities
- Strengthen the relations of Sunway Business Units
- Foster family ties and create camaraderie among Sunway employees

KSS ACTIVITIES IN 2017



- 2 Blood Donation Drives
- 12 Health Talks over Lunch
- 10 Community Projects
- 30 Sporting Activities
- 6 Trips: 3 local and 3 overseas
- Sunway Family Days in Central, Southern and Northern regions
- 10 Promotions and Bazaars

KNOWLEDGE MANAGEMENT

Continuous learning has always been the key focus for Sunway employees. Sunway stays ahead of the market by expending significant effort and financial resources in continuously upskilling its employees.

Sunway employees are encouraged to take charge of their own learning journey within the organisation through short-term and long-term programmes at the corporate office and Sunway University.





SERIES OF CORPORATE PROGRAMMES

SELF-LEADERSHIP SERIES

Personal excellence is the key to success in all we do especially in today's fast-changing environment. The leadership series is put together to help individuals enhance their competencies and increase effectiveness at work.

SUNWAY LEADERS SERIES

A person's success as a People Manager depends on his or her ability to manage and motivate employees to achieve common goals. The Sunway Leader's Series are key resources in developing critical skills they need as a leader. The programmes are designed to equip them with the necessary managerial skills.

BUSINESS

COMMUNICATION SERIES

Developing good business communication skills is essential to becoming a better all-round communicator and more effectively getting messages across. The Business Communication Series focuses on providing individuals with essential business communication tips and techniques for effective communications in the business context.

CENTER FOR ASIA LEADERSHIP - HARVARD PROFESSORS SERIES

Practising leadership in the 21st century is challenging, yet not impossible. Center of Asia Leadership, an extended arm of Sunway University, has adopted leadership programmes from Harvard to equip individuals with the necessary leadership skills to be successful in Sunway.

Selected Sunway employees are also sponsored to pursue a two-year part-time Lancaster MBA programme.

PROGRAMMES DESIGNED TO NURTURE EMPLOYEES' TALENTS

SCOPE - SUNWAY CORPORATE ORIENTATION PROGRAMME FOR EMPLOYEES

This half-day programme familiarises new employees with Sunway. Members of EXCO and senior management from various industries are introduced along with the Group's Vision and Mission, Credo and Core Values.

MY PERFORMANCE

This programme introduces Sunway's performance management system and the key stages of its cycle.

7 HABITS OF HIGHLY EFFECTIVE PEOPLE

Habits are powerful forces in our lives. They determine our level of effectiveness or ineffectiveness. Participants gain hands-on experience, applying timeless principles that yield greater productivity, improve communication, strengthen relationships, increase influence and helps develop a laser-like focus on critical priorities.

CLIMB PROGRAMME

This young executive programme helps participants develop self-leadership by having the right mindset, improving productivity and building relationships with others.

BUILD FLM PROGRAMME

This programme will help frontline or first-time managers develop a greater self-awareness and better working relationships. The manager develops a clearer understanding of how to communicate and develop his or her team using different techniques.

DRIVE PERFORMANCE THROUGH COACHING

This programme transforms people managers into effective coaches to drive the Company's performance.

Our Learning Framework contains a blend of internationally-renowned and internally-developed programmes that meet the developmental needs of group-wide employees. Some employees are certified to deliver some of the renowned programmes within the organisation.

EXAMPLES OF OUR BUSINESS UNITS' KEY DEVELOPMENT PROGRAMMES

SUNWAY RESORT HOTEL & SPA

- Culinary courses
- Halal industry workshop
- Food Safety Management System
- Sous vide cooking techniques
- Excellent Guest Services
- Digital Marketing



SUNWAY MEDICAL CENTRE

- Continuous Medical Education
- Basic Life Support
- Neonatal Resuscitation Programme (NRP)
- Safe drug calculations
- Drug allergies
- Advance Cardiac Life Support
- Understanding patient identification policy
- Hand hygiene
- Management of sharp injuries
- Management of blood and body fluid spillage



SUNWAY CONSTRUCTION

- Project Management Professional (PMP) Certification Programme
- Construction Core Programme
- Trade Supervisory Training
- Sunway Machinery Training Academy
- Construction Safety and Hazard Identification, Risk Assessment and Risk Control (HIRARC)



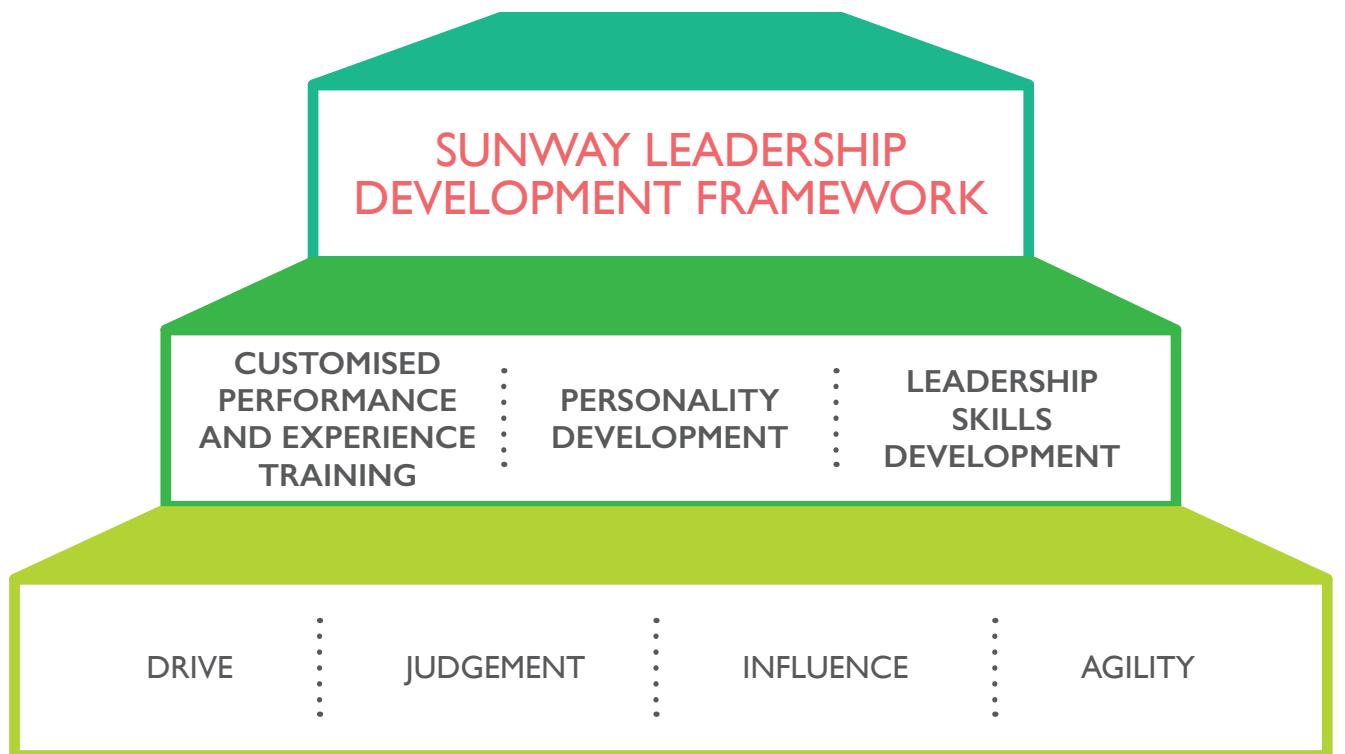
SUNWAY LAGOON

- Quackling Orientation Programme
- Personal Development and Soft Skills
- Occupational Safety and Health



SUNWAY REIT

- Risk and vulnerability of global markets
- Behavioural finance - impact analysis of investors' decisions
- Tax, GST and Customs Law
- 7 habits of highly effective people and effective communication



The Leadership Potential Indicators have been introduced in our Annual Talent Review as a framework to identify the right talent to succeed critical roles. The Talent Advancement Programme (TAP) develops candidates who have been identified as potential successors. We provide executive coaching and mentoring to ensure that talents are on the right career track.



REVIEWING PERFORMANCE

A high-performance culture is part of Sunway's leadership and strategy which translates into people practices, total rewards management, performance management and communication.

Sunway is making evolutionary changes to upgrade its performance management from transactional to transitional and finally transformative. We are pleased to share that Sunway has implemented a new performance management system using the SAP SuccessFactors. The new system, MyPerformance, has been applied to all executive level employees on 1 January 2017.

KEY FOCUS AREAS OF MYPERFORMANCE

- Continuous dialogue that matches the cadence of the work
- Value-added in which the manager drives feedback and development
- Employee-driven experience aligned with individuals' unique needs that emphasise continuous growth and development
- Employees give and receive real-time bi-directional social and collaborative feedback at any point in the year

The performance management process also involves a career conversation session which helps employees and managers understand their career aspirations.

PERFORMANCE RATING



OUTSTANDING



EXCEEDS



ACHIEVES



INCONSISTENT



UNSATISFACTORY

Employees will first perform self-evaluation before being evaluated by their supervisors. A moderation or calibration cycle in the final review involves division heads and the CEO. Performance review results affect bonuses, increments and other rewards programmes.



APPRECIATING OUR EMPLOYEES

We strive to compensate, recognise and develop our employees to keep them engaged and productive. Competitive compensation is used to attract and retain top talent globally. We provide compensation and benefits that exceed or are in accordance with local laws.

Sunway Group reviews its salary structure each year in line with general industry practice. Periodically, we monitor the market by performing benchmarking to ensure that our cash and total remunerations remain competitive.

Although each business unit may offer specific benefits, all employees receive a comprehensive and competitive benefits package that is relevant to their particular market.



A Gold Pendant Worth
RM1,000



Gold Coins Worth
RM10,000



Gold Coins or a
Gold Necklace &
Gold Bracelet Worth
RM20,000

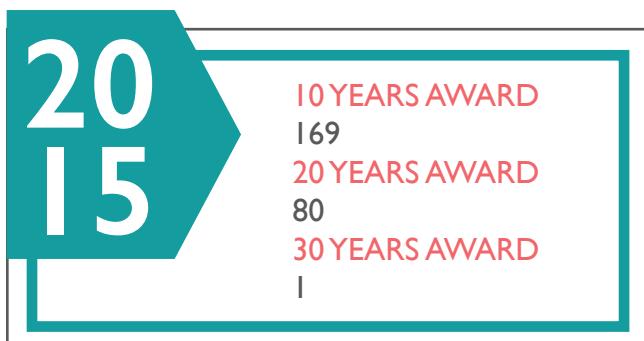
EXAMPLES OF DISCOUNTS FOR SUNWAY STAFF

- Theme parks
- Shopping malls
- Hotel room rates
- Property purchases
- Sunway Medical Centre benefits

Our Total Rewards Statements communicate the overall value of each employee's rewards such as base pay, variable pay and employee benefits.

LONG SERVICE AWARDS

Much of our success can be attributed to the tireless commitment of our employees. Loyalty, dedication and commitment to go beyond the call of duty are recognised each year.



APPRECIATING OUR NURSES IN CONJUNCTION WITH THE INTERNATIONAL NURSES DAY CELEBRATION

The International Nurses Day is a great opportunity to celebrate the fantastic work of nurses at Sunway Medical Centre. We appreciated and thanked our nurses for their hard work and commitment to patients by treating them to complimentary foot, shoulder and head massages at the Swan Convention Centre in Sunway Medical Centre. The service was performed by blind masseurs.

EMPLOYEES' RIGHT TO SPEAK

Employees who have been aggrieved by an action of any of the Group's companies may seek redress orally or by writing to their superiors stating the nature of the complaint. Employees are encouraged to report grievances to their immediate superiors. If employees do not receive a satisfactory response from their immediate superiors within three working days, they may escalate the matter in writing to the Head of Department, PCM, GHR or the Industrial Relations Office for resolution and arbitration. However, employees must follow a set of procedures and a timeline when making complaints.

SAFE AND HEALTHY WORKPLACE

Sunway promises a safe and healthy workplace to all employees. Clear, aligned procedures and standards are followed to ensure a safe working environment and avoid accidents across all Sunway sites.

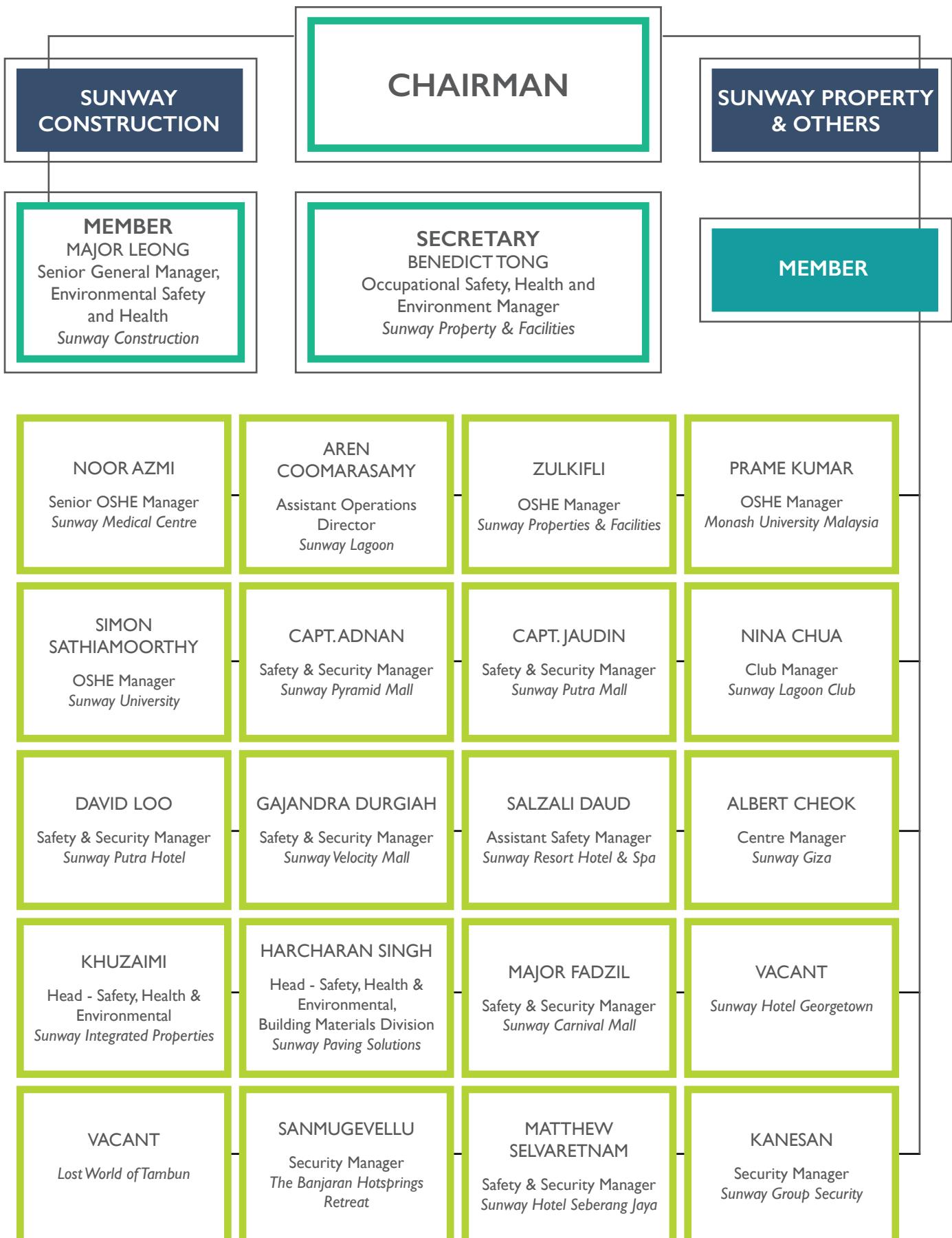
Sunway's Occupational Safety and Health Council meets each month to discuss the Group's safety performance. Measures to avoid incidents from reoccurring are also covered. Our commitment to safety is shared across all business units and sites.

ROLES OF OCCUPATIONAL SAFETY AND HEALTH COUNCIL

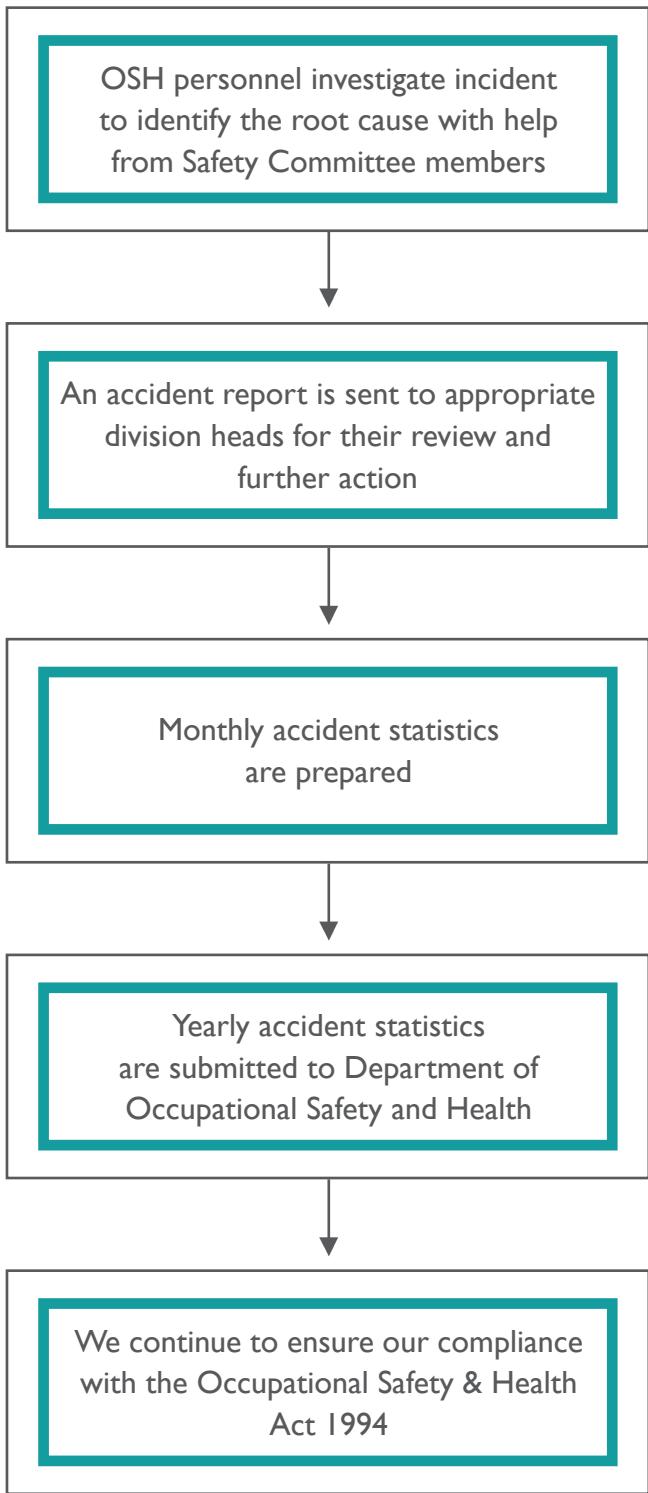
- Ensuring compliance with all Safety, Health and Environment (SHE) Acts and Regulations, Standards, Codes of Practice and Guidelines
- Developing Group strategy whenever there are changes in SHE legislation
- Suggesting measures to be taken in the interest of the safety and health of all stakeholders
- Ensuring SHE best practices are being implemented and monitored
- Collecting, analysing and maintaining Group statistical analysis of occupation-related injuries
- Achieving synergy in the Group's SHE resource management



SUNWAY GROUP OCCUPATIONAL SAFETY AND HEALTH COUNCIL



ACCIDENT AND INCIDENT REPORTING PROCESS



SAFETY MEASURES

We strive to live by our objective “To achieve ZERO life lost” at all project work sites. Safety and health issues are vital and Sunway has implemented health and safety risk assessments for new and existing projects across all of its business units.

Training for new workers and refresher training for existing staff is mandatory.

SAFETY MEASURES AND GUIDELINES THAT IMPROVE PUBLIC SAFETY DURING CONSTRUCTION WORKS



- Safety fencing within machine perimeter
- Safety interlock device at fencing
- Yellow lines to distinguish between passages and operations area
- Scheduled inspection of safety devices by the maintenance and Environmental, Safety and Health (ESH) team
- Warning and mandatory Personal Protective Equipment signage

HIGH-RISK ACTIVITIES REQUIRING PERMITS



- Hot work
- Excavation
- Scaffolding
- Confined spaces
- Working at height
- Lifting
- Night Work

SUNWAY SAFETY MERIT SYSTEM (SSMS)

Sunway Safety Merit System (SSMS) was introduced in 2012. Over time, SSMS has evolved from a simple programme promoting effective Environmental, Safety and Health (ESH) awareness and compliance into a communication platform to inculcate a safety and health culture.

During the year, we upgraded the SSMS inspection process. A cross-inspection system is performed by a pool of inspectors. Cross-learning is allowed across all work sites while maintaining the SSMS system, which can result in improved ESH implementation and performance. We have also identified potential inspectors as part of our succession planning.

Moving forward, SSMS will contribute to the annual Overall Champion Award. The winner will be an all-round achiever in time, cost, quality and ESH criteria.

SUNWAY JOM KURUS

The Jom Kurus programme championed by Sunway Pyramid Mall, is a three-month weight management programme that encourages employees to monitor their calorie intake and get enough physical exercise. Health talks on calorie counting, types of food to consume and avoid, and recommended exercise were delivered to the participants. Employees were asked to carry out a blood test to check their glucose levels and were invited for weekly jogging sessions at Sunway Lagoon.

EMPLOYEE ROUTINE HEALTH SCREENING RESULTS

47%

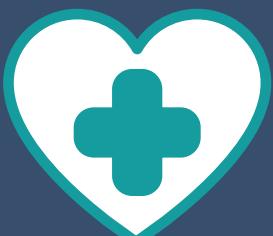
are obese or overweight

21%

have elevated glucose levels

58%

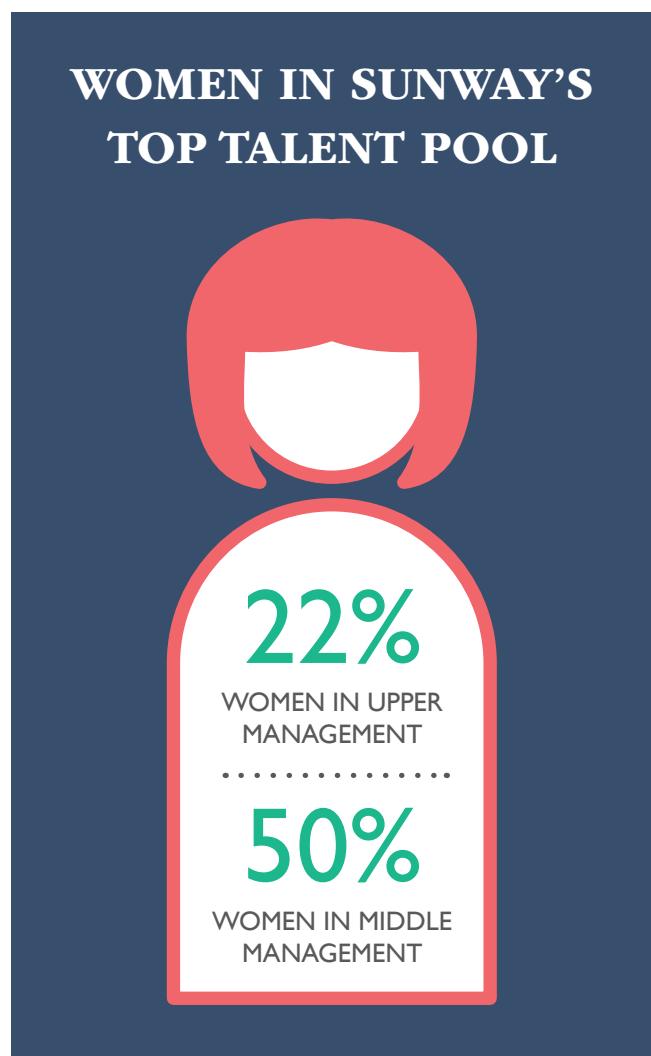
have elevated cholesterol levels



WOMEN EMPOWERMENT

We recognise that we must do more than provide the necessary facilities, time-off and childcare benefits to help aspiring women achieve success at work. Creating a platform and opportunities for women to network and learn from each other is also a critical component of success.

In collaboration with LeadWomen, we sponsored the Women Power Network Session and ASEAN Women of Tomorrow Conference 2017 to actively promote women leadership in the workplace.

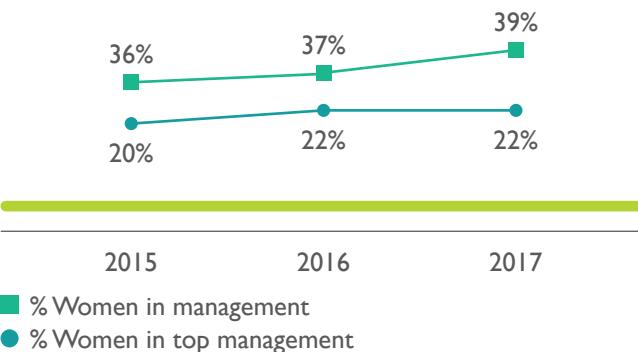


Our Annual Talent Review exercise also aims to uncover female talents within the company and business units. Sunway ensures a minimum of 30% of women is represented in its Annual Talent Review. Sunway women are also groomed through Executive Development Programmes, Cross Company Mentoring and Industry Exchange Programmes. We also aim to introduce new development initiatives in the future.

These programmes equip female employees with the necessary knowledge, skills and competencies so they are ready for career progression whenever opportunities arise across Sunway's twelve business divisions.

In 2017, the percentage of women in management and top management levels increased as shown in the graph below.

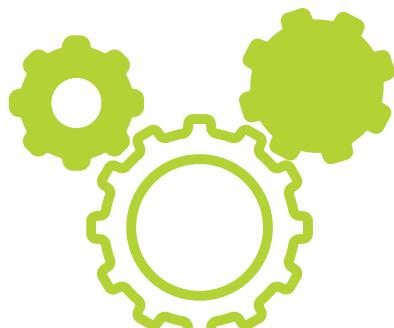
TOTAL WOMEN IN MANAGEMENT



SUNWAY WOMEN'S TALENT PROGRAMME

This programme was introduced in 2013 to attract, retain and develop female talents through women-friendly talent policies. The Sunway Women's Talent Programme encourages female employees to return to work after their maternity leave. Sunway offers flexible working arrangements to help women balance their work and personal lives.

FACILITIES AND INFRASTRUCTURE THAT SUPPORT WORKING WOMEN



- R.E.A.L Kids Preschool Centre
- The Parenthood Emergency Drop-Off Centre
- Designated parking spaces
- Mothers' Rooms

MALAYSIA'S 30% CLUB

The 30% Club is a group of chairmen and business leaders who are committed to bringing more women onto Malaysian corporate boards. Tan Sri Dr Jeffrey Cheah AO has been appointed as Founding Chair of Malaysia's 30% Club.

OBJECTIVES OF THE 30% CLUB

- Raise awareness among chairmen and business leaders of the benefits of gender diversity
- Inspire debate and discussion
- Support initiatives to build a pipeline of women in executive and non-executive roles

HOW WE DELIVER OUR PROMISE TO WOMEN EMPOWERMENT AND EQUAL OPPORTUNITY



RECRUITMENT

Equal opportunities for all applicants, regardless of gender, including technical positions

TRAINING AND CAREER DEVELOPMENT

Delivering at least 40 hours of training to employees of all levels, regardless of gender, as part of the Group President's scorecard

PERFORMANCE MANAGEMENT

Our fair and equal performance management philosophy is merit-based and guided by a well-defined balanced scorecard

WORKLIFE BALANCE/ INFRASTRUCTURE

Reviewing, designing and establishing a set of work-life parameters, policies and procedures for implementation throughout our businesses

LEADERSHIP & DEVELOPMENT PATH

- Ensuring 30% of talents at the Annual Talent Review are female
- Delivering Structured Development Programmes for women through on-the-job training, job shadowing as well as structured coaching and mentoring programmes
- Providing women with an opportunity to attend cross-industry and executive development programmes

#SUNWAYFORGOOD IN SAFEGUARDING HUMAN RIGHTS



We embrace fair employment, diversity and inclusivity in the workplace. The entire Sunway Group is committed to showing respect for the human rights of each and every employee. We also strive to ensure that all employees are aware of these priorities. We are pleased to report that there have been no incidents of discrimination or risk to freedom of association and collective bargaining. There have been no reported incidents of risks of child, forced or compulsory labour. There were no violations of human rights involving the rights of indigenous people at any time in the Company's history.



- Our human resource practices comply with the local labour laws.
- Hiring is based on merit and equal opportunities are provided for career development and progression.



- Discrimination on the basis of ethnicity, gender, religious beliefs, nationality, age or physical disability is forbidden.
- Unethical and exploitative labour practices, such as child labour, forced or compulsory labour, are not tolerated.

LABOUR RIGHTS

The Group recognises and respects employees' rights to be represented by trade unions or other representatives in accordance with local applicable legislation and practice. Employees are free to join any trade union provided they abide by local law and the rules of the trade union concerned. Unions currently representing our employees are presented below.

UNIONS CURRENTLY REPRESENTING SUNWAY EMPLOYEES

BUSINESS UNIT	NAMES OF UNION	NO. OF UNION MEMBERS	NO. OF EMPLOYEES COVERED BY COLLECTIVE AGREEMENT
SUNWAY VCP SDN BHD	Non-Metallic Mineral Products Manufacturing Employees' Union	15	16
SUNWAY LAGOON CLUB SDN BHD	Club Employees Union Peninsular Malaysia	9	9
SUNWAY HOTEL (SEBERANG JAYA) SDN BHD	National Union Of Hotels, Bar & Restaurant Workers Peninsular Malaysia	46	96
SUNWAY BIZ HOTEL SDN BHD	National Union Of Hotels, Bar & Restaurant Workers Peninsular Malaysia	29	63
SUNWAY HOTEL PHNOM PENH LTD	Sunway Employees Union Hotel P.P. (SEU)	84	138
TOTAL	5 Unions	183	322

#SUNWAYFORGOOD OPERATIONS



CIRCULAR ECONOMY THROUGH QUALITY ASSURANCE

Our commitment to circular economy aims to promote greater resource productivity. This is achieved by delivering the highest quality products and services to our stakeholders.

Sunway is committed to delivering excellence with passion. Our ISO 9001-certified Quality Management System challenges us to continually improve our processes and approaches in order to deliver the best possible results in each of our business fields.



SUNWAY PROPERTY: CERTIFICATION DATES OF ISO STANDARDS

ISO 9001:2008 QUALITY MANAGEMENT SYSTEM

26 SEPTEMBER 1997

ISO 14001:2004 ENVIRONMENTAL MANAGEMENT SYSTEM

30 DECEMBER 2010

SUNWAY QUALITY MERIT SYSTEM

The Sunway Quality Merit System (SQMS) measures the project system and product quality performance at every stage of construction. The assessment is based on:

- the QLASSIC requirements for measuring product workmanship; and
- ISO 9001 standards to measure the effectiveness of inspections and tests and document/record management practices.

Projects with low SQMS scores are identified for immediate improvement.

OBJECTIVES OF SQMS



- Benchmark all projects
- Measure project quality performance systematically and objectively
- Standardise good practices across all projects
- Raise greater awareness of product quality as per QLASSIC requirements in all staff and subcontractors
- Achieve a minimum QLASSIC score of 75% for all projects

Monthly SQMS assessments are performed for all projects including piling, reinforced concreting, precast installation, steel structures, brickwork, plastering and pointing.

CUSTOMER PRIVACY

Protecting customer information is a key component of our Code of Business Conduct. It communicates our commitment to protecting the personal information of our employees, customers and other relevant stakeholders.

We take this responsibility seriously and have established a company-wide governance infrastructure to drive a holistic approach to the privacy and security of data. A number of policies and directives have been implemented to ensure the continuing confidence of those who entrust us with their personal information.

This practice is applied across all our business units including protecting the privacy of our malls' shoppers, medical centre patients and all other stakeholders.

TRANSPARENCY AND ANTI-CORRUPTION

Sunway is firmly opposed to corruption in all forms and is committed to following the highest ethical standards. Anti-corruption is not merely a legal obligation and an ethical standpoint. Corruption is a threat to business and society in all countries, undermining legitimate business activities and distorting competition. At Sunway, we are all responsible for understanding the important legal and ethical issues that affect our business and for acting with integrity at all times.

Corruption includes bribery and trading in influence. Any corrupt activity, either in the public or private sectors, is prohibited. Offering, giving, requesting, accepting or receiving any bribes or facilitation payments is forbidden. Sunway's zero tolerance to corruption and ethical standards are set out in its Code of Conduct, Group Anti-Corruption Policy and other governing documents, which are implemented across all business units. Integrity is also one of Sunway's core values. All suppliers and third parties that have a direct contractual relationship or offer products or services to Sunway must comply with our Supplier Conduct Principles. These principles set out the minimum standards that we expect to see achieved over time including ethics and anti-corruption.

Heads of business units are briefed on the implementation of the quarterly risk report and are signed off by each business unit on a quarterly basis. The reporting, investigation and handling of corruption cases are dealt with by Group Internal Audit (GIAD) and the individual business units.

PUBLIC SAFETY

Sunway's Safe City initiative ensures that its communities live, learn, work, play, be healthy and safe in a well-connected environment. Our in-house security force conducts 24-hour joint patrols with Royal Malaysian Police (PDRM) personnel across Sunway City as part of this initiative.

The township, including Sunway-owned buildings, is also equipped with more than 3,000 24-hour CCTV cameras. Our 1,100-strong security force personnel includes 600 auxiliary police who have completed intensive training at the Malaysian Police Training Centre.

SAFETY AND SECURITY AT OUR PROPERTIES

Sunway understands the importance of a vigilant security system at its assets. Stakeholders must feel safe and welcome while patronising all Sunway premises. We have been working closely with the PDRM to make our premises and vicinity safe.

Our auxiliary police are highly trained to keep all stakeholders safe. Armed auxiliary police regularly patrol the asset premises' perimeter and the pedestrian bridges connected to our assets.

SAFETY APPROACHES AT OUR PROPERTIES

MINIMUM TRAINING FOR AUXILIARY POLICE

- Group Security organises monthly training
- PDRM runs at least two gun shooting courses
- A minimum of 48 hours of foot drills and BOMBA training is held each year
- At least 16 hours of classroom training is delivered each year
- Two months' training is conducted at our Police Training Centre

ENSURING SAFETY AT OUR PROPERTIES

- Patrolling on a personal transporter at all sections of the mall, with special attention given to crime-prone areas such as jewellery shops
- Panic buttons around our shopping malls and carparks for a quick emergency response
- State of the art escalator safety equipped with anti-unintentional reversal control and an intelligent brake system



SUNWAY SAFE CITY INITIATIVE

- Partnered with the Royal Malaysian Police and Malaysian Crime Prevention Foundation (MCPF)
- Spent RM1 million on constructing Sunway Pondok Polis
- Spent RM3 million on constructing a new police station
- A new RM3 million police station with state-of-the-art equipment is planned
- Panic buttons installed around Sunway Pyramid
- Round-the-clock patrols organised alongside Royal Malaysian Police personnel
- 3,000 CCTV cameras installed
- A security force of 1,100 operators, 600 of whom are auxiliary police
- Launched the Selangor MCPF website, a one-stop digital platform that shares useful crime prevention information

WHAT'S NEW?

- Sunway Resort Hotel & Spa won Malaysia's Coveted Occupational Safety and Health (OSH) Award for two consecutive years.
- Sunway Hotel Hanoi and Sunway Hotel Phnom Penh are certified as ChildSafe Hotels, enforcing and respecting the ChildSafe policy set by the ChildSafe Network.

SUNWAY HOTEL HANOI IS ONE STEP AHEAD IN SAFETY RISKS

Sunway Hotel Hanoi installed two automated external defibrillators (AED) on 14 August 2017. Sunway Hotel Hanoi became the first international-class hotel in Hanoi to have such a facility.

The AED devices were installed at two strategic locations in the 145-room hotel: one at the front desk and the other on the floor of the function and fitness rooms. The placement facilitates the quick use of the lifesaving devices at any time.

The AED installations form part of Sunway Hotels & Resorts' safety and security strategy at its 11 owned and managed properties in Malaysia, Cambodia and Vietnam. This initiative improves the survival rate of guests and employees who may suffer cardiac arrests on the premises.

NEMURI SCAN FOR PATIENTS SAFETY

Sunway Medical Centre has installed a Nemuri SCAN to improve patient safety in its new tower. Sunway Medical Centre is the first hospital outside Japan to be equipped with Nemuri SCAN beds. Nemuri SCAN can be placed under a mattress to make long-term measurements, recording sleeping and waking rhythms and displaying and analysing them with special software. The data is sent through Wi-Fi to PC screens at nurses' workstations.

This device helps our nurses prevent patients from falling, which is one of the greatest concerns in any hospital. It can also effectively support patients when getting out of bed or when they need to visit the restroom. Nemuri SCAN also detects rapid breathing and is crucial to allow our nurses to attend to patients' needs quickly.

There are 244 beds equipped with this scan in the wards and 22 in the Sunway Medical Centre Digestive Health Centre.

SUNWAY PROPERTY'S COMMITMENT TO LIVING SUNWAY, LIVING COMMUNITY

Under the 'Living Sunway, Living Community' campaign, Sunway Property improves its community engagement as part of its efforts to grow together and ensure the sustainability of Sunway's developments. Our long-term goal of being a master community developer in a liveable environment is achieved through various community-driven engagements with residents and the general public.



EVENTS AND ACTIVITIES HELD WITH RESIDENTS AND SURROUNDING COMMUNITY

CELEBRATIONS AND EVENTS

- Chinese New Year celebration
- Hari Raya celebration
- Mid-Autumn festival
- Christmas celebrations
- Appreciation and key handover ceremony
- Facebook Raya photo contest
- Earth Hour writing contest and off lights campaign
- Tree planting
- Flood relief programme for the people of Taman Desa Damai and Taman Sri Rambai in Bukit Mertajam, Penang
- Private events for exclusive Sunway PALS members including Choral Serenade to Music
- Participation in Community CSR programme
- Festive hampers giveaway

HEALTHY COMMUNITY LIVING

- Community activities such as ATAP cinema, Live Up Saturday, a badminton tournament as well as yoga and Zumba classes
- Health talk on common causes of back pain
- Health screening
- Race for a Better Planet in conjunction with the World Environmental Day 2017
- Sustainability activities including a recycling programme, green living, green ambassador programme and edible garden

ALL-TIME FAVOURITES

- A movie outing
- Free passes to Sunway Berhad's events including charity shows, year-end events, seminars and talks

TRAIL BLAZER OF UNSDGs IN THE REGION



SUSTAINABLE DEVELOPMENT GOALS

In September 2015, world leaders gathered at a special United Nations summit in New York to adopt Agenda 2030 and commit to 17 Sustainable Development Goals (UNSDGs). These goals provide a holistic framework with the vision of eradicating poverty and deprivation, growing economies, protecting the environment, advancing peace and promoting good governance.

Sunway is committed to the UNSDGs and aims to attain recognition and distinction in advancing them in the region.

HIGHLIGHTS OF OUR MILESTONES IN 2017

SUNWAY SMART SUSTAINABLE CITY: ENTERPRISE OF THE FUTURE

THE SAD TRUTH

Climate change, global warming, the changing environment, urbanisation and population growth.

While cities occupy merely 3% of all land, they consume 60% to 80% of energy and emit 70% of greenhouse gases.

Facing this challenge, we must find a path towards progress that meets the demands of our global community without disturbing the ecological equilibrium that sustains our planet.



SUNWAY CITY RECOGNITIONS

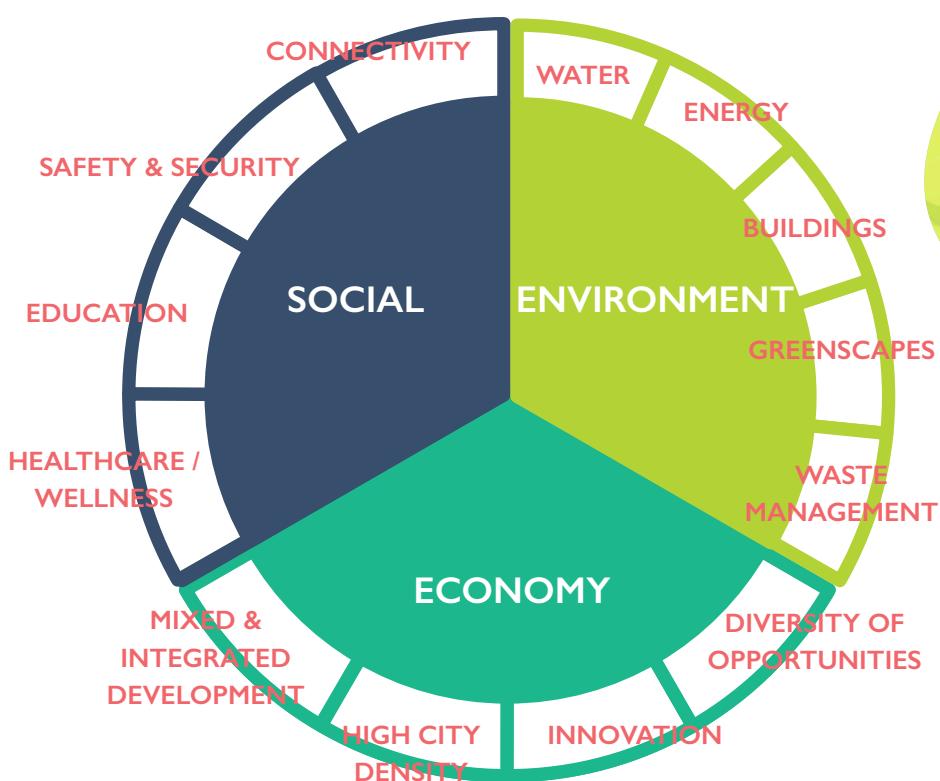
Top Smart City Initiative in Asia Pacific excluding Japan (APej) under the Smart Buildings category
by IDC Government Insights

•
Low Carbon City by the Malaysian Institute of Planners

•
The Pinnacle Sunway won Malaysia's Best Managed Property Awards 2017 by The Edge

Sunway City is intensifying its efforts through various smart initiatives
that will set the blueprint for future smart cities in Malaysia.

HOW SUNWAY CREATES VALUE AS AN ENTERPRISE OF THE FUTURE



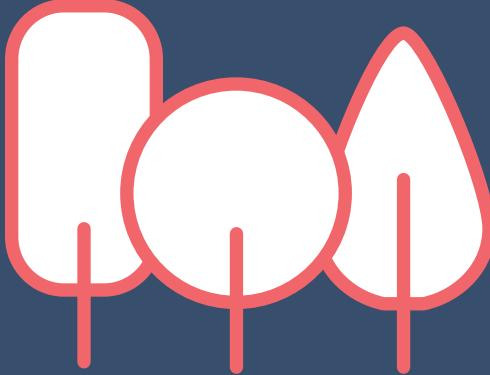
ECONOMIC, ENVIRONMENTAL AND SOCIAL VALUE CREATED THROUGH THE SUNWAY SMART SUSTAINABLE CITY

ECONOMIC



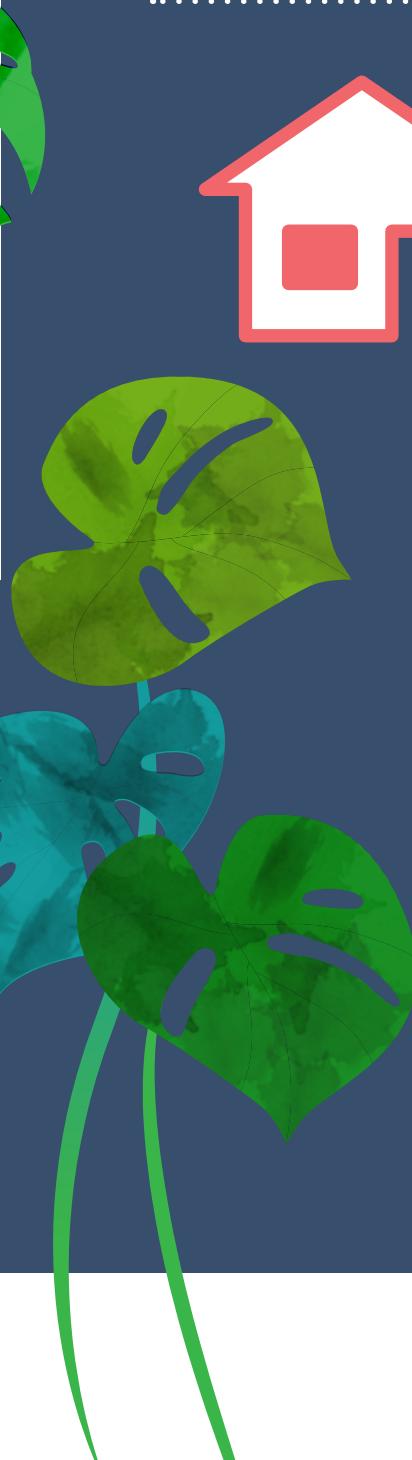
- Sunway City's flagship mixed and integrated development consists of hotels, a mall, a medical centre and other commercial buildings. The different development components within the city provide a diversity of opportunities in terms of business and employment.
- The high density of Sunway City contributes positively to the nation's Gross Domestic Product (GDP).
- Sunway City is self-powered by:
 - i. Its own telecommunication infrastructure.
 - ii. Improving energy efficiency by retrofitting Sunway-owned commercial buildings.
 - iii. Implementing smart city data management for all properties and infrastructure.
 - iv. Constructing a combined generation plant using natural gas to generate electricity, chilled water and hot water.
- Sunway iLabs as an incubator hub drives innovative solutions to real-world problems and enables entrepreneurs to sell their businesses faster.

ENVIRONMENT



- Water is conserved through a water treatment plant and rainwater harvesting tanks.
 - Energy is optimised by using a co-generation plant and other energy efficiency initiatives such as an energy audit and upgrading to more energy-efficient equipment.
 - New developments have achieved green certifications such as the Green Building Index (GBI), GreenRe and Leadership in Energy and Environmental Design (LEED).
 - Green space is provided as a carbon sink and to preserve biodiversity.
 - Landfill waste is minimised by systematically separating waste at source.
-

SOCIAL



- Sunway City is a Transit-Oriented Development (TOD) township.
- Currently, Sunway City is one of Malaysia's most connected cities, seamlessly linking the public road network, public transport and the nation's first elevated BRT-Sunway Line.
- Eco-friendly electric buses serve seven stations, linking the KTM Komuter rail service and Light Rail Transit (LRT).
- Sunway City can be fully accessed by a pedestrian network with all buildings being connected by at-grade or elevated pedestrian walkway to encourage walking in the township.
- The township, including Sunway-owned buildings, is monitored by more than 3,000 24-hour CCTV cameras.
- Sunway City obtained Multimedia Super Corridor (MSC) Malaysia Cybercentre status, creating an ecosystem that provides the ideal environment to attract and support IT-enabled industries.
- Sunway City is fully Wi-Fi-enabled, providing free wireless internet access in all public and commercial areas.
- Our 1,000-strong security force personnel includes 600 auxiliary police who have completed intensive training at the Malaysian Police Training Centre.
- The Jeffrey Cheah Foundation (JCF) has allocated a total of RM330 million worth of scholarships to thousands of deserving students.
- A regular Public Health Forum is held by Sunway Medical Centre.
- Sunway City has grown considerably over the past four decades and is now home to a thriving community of 200,000 who live, learn, work and play in a healthy, safe and connected environment.

CHAMPIONING SUSTAINABILITY IN THE REGION THROUGH THE JEFFREY SACHS CENTER

The Jeffrey Sachs Center on Sustainable Development is a regional center of excellence which advances the UNSDGs in Malaysia and Southeast Asia. Located at Sunway University, the centre was borne out of a \$10 million gift from the Jeffrey Cheah Foundation to the UN Sustainable Development Solutions Network.

Launched in December 2016, the centre is now developing into a hub for research and policy practice, creating world-class programmes to train a new generation of students, practitioners and policy leaders and develop linkages with major universities in Malaysia and around the world solving problems related to the UNSDGs.

In 2017, the centre launched the inaugural executive training programme entitled “Leaders in Sustainable Development”. The programme was led by Professor Jeffrey Sachs and a team of the world’s top experts in sustainable development practices. It attracted senior government representatives from Malaysia, China, India, Vietnam and Indonesia as well as those from international agencies and key private sector organisations. Following this, the centre also hosted its inaugural ASEAN Ministers Workshop which convened ministerial representatives from the ASEAN countries and Australia to brainstorm over the best way forward in accelerating the achievement of the UNSDGs in their respective countries and as a region.

In Malaysia, Jeffrey Sachs Center’s efforts are focused on public education and policy analysis and advocacy.

OUR COMMITMENT MOVING FORWARD

The Jeffrey Sachs Center is in the midst of a few SOLUTIONS-FOCUSED studies to address the following:

- How do we decarbonise and improve the efficiency of the national energy system?
- How do we improve incidences of malnutrition and particularly the issue of child stunting?
- How do we preserve and enhance biodiversity and forest cover?
- How do we leverage innovation to allow marginalised groups to be active participants in the economy?

KNOWLEDGE MANAGEMENT AND INNOVATION

The following research projects, conducted by the Jeffrey Sachs Center, Monash University Malaysia and business units of Sunway are contributing to knowledge management by creating value for the benefit of current and future generations.

GLOBAL RESEARCH, LOCAL IMPACT

We focus and prioritise our research to have real impact and enrich the lives of people in Malaysia, our region and the world. We have formed powerful research partnerships with industry and the government to continue improving community life now and in the future.

JEFFREY SACHS CENTER: THE SOLUTIONS INITIATIVE



- Advancing UNSDG knowledge
- UNSDG solutions-focused research



- Workshops and talks for the public
- Masters programme
- Executive training programmes
- Online blended workshops



SDGacademy

- Office of the Science Advisor to the Prime Minister's Department

RESEARCH, DEVELOPMENT AND INNOVATION



RESEARCH, DEVELOPMENT AND INNOVATION

- Research, Development and Innovation that is strategic to the socioeconomic development of regional economies.
- Key Focus areas:
 - Advanced Engineering
 - Brain Research Institute Monash Sunway
 - Global Asia in the 21st Century
 - South East Asia Community Observatory
 - Tropical Medicine and Biology



- Global education in the region
- TOP 100 in the World

21

Times Higher Education
World's Most International
Universities 2017

78

Academic Ranking of
World Universities
2017

80

Times Higher Education
World University
Rankings 2017

90

Nature Index 2017

28

Asia's Most Innovative
Universities 2017



- Contributing to the sustainable development of the government, industry and community

INTERLOCKING SOLAR CONCRETE PAVER (ISCP) SYSTEMS



Solar energy is abundant throughout the year in Malaysia with pavements receiving large amounts of sunlight each day. This provides a significant opportunity for generating energy that would otherwise be wasted.

Interlocking concrete pavers will incorporate solar cells in future pavements to generate electricity to power street lights, public spaces and other applications.

Renewable solar energy is virtually inexhaustible and provides an attractive environmentally-sustainable alternative to traditional fossil fuels. Initially, this product will be piloted within the smart and sustainable city infrastructure. Currently, Sunway Paving Solutions (SPS) runs concrete paving product business operations. In the near future, SPS is looking to commercialise the ICP system as a standalone product.

EXPECTED OUTCOME:
a solar paver that incorporates solar cells into interlocking concrete pavers (ICP) in future pavements.

BANDAR SUNWAY “RIVER OF SUSTAINABILITY”



The “Bandar Sunway - River of Sustainability” project led by Monash University Malaysia focuses on river pollution control and management, ecosystem remediation and community health improvement. The overall deliverable will be a beautiful Sunway City canal that enhances the quality of life and property value within the township.

EXPECTED OUTCOME:
upgrading the Sunway City canal into a beautiful river that enhances the quality of life and property value within the township.

SUSTAINABLE INTELLIGENT TRANSPORTATION ECOSYSTEM



Sunway Sustainable Intelligent Transportation Ecosystem (SITE) project led by Monash University Malaysia employs technology to create a cognitively-driven system that is responsive to the city's transportation needs. Using advanced technology, SITE will develop closed loop systems that feed human behaviour into machines. The machines respond and human behaviour is altered as a consequence of the response. These responsive, adaptive systems would dynamically respond to current situations and alter human response in real time.

EXPECTED OUTCOME:
Develop a comprehensive model of traffic, travel and behaviour
• Devise intervention strategies and policies that minimise traffic congestion, reduce carbon emissions and promote a healthy lifestyle
• Reduce accidents and crime
• Improve footfall in business operations in the Sunway vicinity
• Develop a vibrant city community that scores highly in liveability, workability and sustainability

TECHNO-ECONOMIC FEASIBILITY ASSESSMENT INTO USING RENEWABLE (SOLAR) ENERGY FOR THE BRT SUNWAY TRANSPORT SYSTEM



The BRT-Sunway Line operates to safely transport people at an affordable price. This development supports many governmental and international standards to reduce environmental impact, provide a sustainable transport system and reduce dependency on fossil fuels.

The project, led by Monash University Malaysia, investigates whether it is technically and economically viable to power the BRT-Sunway transport system with solar energy. The study compares solar energy with conventional diesel buses.

EXPECTED OUTCOME:
knowledge of using a clean energy source that reduces the carbon footprint and pollution in Sunway City and its surrounding communities. The project findings can also be applied to the transportation sector in Malaysia and other parts of the world.

DEVELOPMENT OF A SUSTAINABLE PERMEABLE GEOPOLYMER PAVEMENT SYSTEM USING FINE INDUSTRIAL WASTE



Constructing a permeable pavement out of porous concrete is being considered as an efficient flood control measure. This sustainable solution is believed to allow good drainage, minimise flood risk and increase the pavement's life-cycle. Heavy rainfall and the presence of moisture are prime causes of pavement distress, particularly in tropical areas. Over its service life, a pavement system is likely to disintegrate from exposure to rain or groundwater fluctuation. Subterranean water in Malaysia is a major threat to concrete pavements, exposing them to a high groundwater table, capillary forces and artesian pressure.

Pulverised Fuel Ash (PFA) in conjunction with Portland cement (partial or full replacement) is used to produce permeable interlocking concrete pavers. This combination is believed to provide an environmentally and economically viable alternative to conventional porous pavements.

PFA is a by-product of burning coal in powerplants. PFA is trapped, collected and removed before it is released into the atmosphere to prevent severe air pollution. PFA is useful in various applications including the concrete industry. Sunway Paving Solutions Sdn Bhd has used PFA in its business since 2010.

EXPECTED OUTCOME:
The Sustainable Permeable Geopolymer System (SPGPS) protects the public from flooding, improves the traffic system while minimising the environmental impact by recycling waste and reducing carbon.

SELANGOR INDUSTRIAL MASTERPLAN



The Selangor State Government launched the Selangor Industrial Master Plan Study at Monash University Malaysia on 14 March 2017. The launch was officiated by the Honourable Dato' Teng Chang Khim, Selangor State Senior Executive Councillor for Investment, Industry & Commerce, SME & Transportation.

Commissioned by Invest Selangor, the Selangor Industrial Master Plan Study was conducted by Monash University Malaysia over a period of 14 months. It focuses on five different potential core industrial clusters in Selangor:

- Life Sciences
- Food and Beverage Manufacturing
- Electrical and Electronics
- Transport Equipment
- Machinery and Equipment

EXPECTED OUTCOME:

The study serves as a guideline for the Selangor State Government, particularly Invest Selangor, in the formulation of a future action plan to advance the state's economy.

MALAYSIA KNOWLEDGE ECONOMY (MYKE) STUDY



The global economy is undergoing rapid changes due to globalisation, liberalisation (the opening of markets), regionalisation (trading blocs) and digitisation (converging technology platforms). These forces have intensified competition for resources, talent and markets.

In 2012, Malaysia launched the Knowledge Economy Master Plan. Significant resources were channelled into transforming the various economic sectors and industries to be more information-sensitive and knowledge-driven.

Sunway, through Monash University Malaysia, led the development of the Knowledge Content in Economic Sectors Phase III (MYKE-III).

INDUSTRIES COVERED BY MYKE-III

- Agriculture
- Food Processing
- Chemicals, petroleum and pharmaceuticals
- Rubber and plastic products
- Wood-based products
- Fabricated metals
- Automotive
- Transport equipment
- Textile, wearing apparel & footwear
- Electrical and electronics
- Machinery and instruments
- Tertiary education
- Transport (ports, airports and shipping)
- Finance
- Tourism
- Telecommunications and courier
- Health
- Information Technology
- Business Services
- Wholesale and retail trade
- Construction

The study uses a novel knowledge ecosystem model to assess the state of development of knowledge ecosystems for the industry. This includes assessing the level of knowledge content and its contribution to economic outcomes.

EXPECTED OUTCOME:

MYKE-III (Phase 1 and Phase 2) captures the state of development of the knowledge ecosystems for these 21 industries. The study identifies strengths and weaknesses in the ecosystems, providing recommendations to strengthen the knowledge enablers of the ecosystem, resulting in the industries raising their dynamic capabilities. This will raise the competitiveness of Malaysian industries and economy while boosting the country's global position.

MALAYSIAN PLASTICS MANUFACTURERS ASSOCIATION – SKILLS GAP ANALYSIS



Sunway, through Monash University Malaysia, conducted a thorough assessment of the current and future skills required in the Malaysian Plastics Injection Moulding (PIM) Industry. The assessment explored options of improving the current skills training programmes.

Firms operating in the Klang Valley took part in the study. Although the plastics industry is not one of the 12 national key economic areas (NKEAs), it:

- Is intrinsically linked to all sectors,
- Is an important contributor to the local manufacturing industry, providing feedstock into a diverse range of end-use sectors.

In fact, the Malaysian plastics industry has been rated among the most competitive in Asia.

EXPECTED OUTCOME:
Helping Malaysian plastics manufacturers remain competitive by focusing on improving technologies, developing skills, exploring new markets and concentrating on higher value products.

Receiving the Gold Award 2 at the recent ITEX 17, this research is testament to our commitment to pursuing cutting edge technologies.

ASEAN UNSDG INDICATORS DASHBOARD



The Jeffrey Sachs Center is developing a dashboard to report the national and ASEAN-level UNSDG Index. Available and nationally appropriate data used is consistent with that reported in the Global UNSDG Index by the Sustainable Development Solutions Network and Bertelsmann Stiftung.

ASEAN UNSDG INDICATORS DASHBOARD FEATURES

- Present the standing of individual countries in the ASEAN region
- Allow comparison with each other and with the world's best-performing countries
- Highlight areas of critical concern such as those that appear as red flags in each individual country or region

DENGUE MOBILE APPLICATION

Dengue is a viral infection carried by female Aedes mosquitoes. The number of dengue cases and dengue deaths are increasing both at the national and district levels.

Reducing the mosquito population growth is important in dengue control. In collaboration with the Segamat District Public Health Office and the South East Asia Community Observatory (SEACO), a mobile application and website have been developed to capture possible mosquito breeding sites.

EXPECTED OUTCOME:

A dashboard on the national and ASEAN-level UNSDG Index with recommendations that help countries achieve the three pillars of sustainable development: prosperity, inclusiveness and environmental sustainability.

BIG DATA AND CLIMATE CHANGE



Data poverty is one of the greatest obstacles to Southeast Asian climate change studies. This project aims to integrate interdisciplinary and transdisciplinary methodologies. Quantitative and qualitative data will be evaluated from a variety of technoscientific and sociological sources that are informative about the cause and effects of climate change.

EXPECTED OUTCOME:

Understanding nuclear science and technology including radiation risks and standards as well as science and technology transfer.

EXPECTED OUTCOME:

Data-intensive sustainability science that focuses on demarcating data relating to anthropogenic gas emissions and trace elements that are primary emitters or secondary by-products of primary emitters, both airborne and waterborne.

NUCLEAR SCIENCE AND TECHNOLOGY AND SUSTAINABLE DEVELOPMENT



This project considers the transnational and comparative contexts to understand the emergence of nuclear science and technology (S&T) within the developmental context of Malaysia and the rest of ASEAN. It considers lessons learned from other countries in South and East Asia. It also examines circumstances related to knowledge ethics in public science communication, science and technology transfer, nuclear energy potential, and radiation risks and standards. This approach is in line with the 2030 Agenda which intends to develop transdisciplinary solutions-oriented research while engaging more multifaceted expertise and stakeholders. This project was undertaken in conjunction with the Centre for Radiation Sciences at Sunway University.

SUSTAINABLE ENERGY TECHNOLOGY AND SYSTEMS



This project focuses on positioning sustainable energy technology in various applications. It involves deploying a solar-battery combination in Sunway City and other possible Sunway properties across Malaysia. The express purpose is reducing carbon emissions from energy use at these properties.

A smaller scale solar-battery system will be designed that brings electricity to rural communities that are not supported by the national grid. The study will compare the cost associated with bringing electricity to rural areas with traditional infrastructure and the use of these smaller systems. Future extensions to this project would look into other energy technologies such as reformed natural gas for hydrogen fuel cells.

EXPECTED OUTCOME:

Demonstrate the feasibility of deploying renewable energy systems for cities and rural communities.

SMART SUSTAINABLE MANAGEMENT OF LAKE ECOSYSTEMS IN SUNWAY CITY



Lakes provide essential services to ecosystems, wildlife and humans. The ecosystem service value of a given lake is affected by its water quality.

The current water quality status of Sunway Lagoon (SL) is Class III and is rated as eutrophicated. SL is predicted to gradually head towards severe eutrophication within the next decade given the:

- Projected increase in urban population
- Intensive land use surrounding SL
- Unabated accumulation of nutrients in the lake sediments

This project aims to rehabilitate SL and its adjacent South Quay Lake (SQL). Research collaborators consist of the Universiti Sains Malaysia (USM), Forest Research Institute Malaysia (FRIM), Miami University, USGS, Global Institute on Large Lakes (GILL) of Yunnan University and Nanjing Forestry University.

EXPECTED OUTCOME:
Maximise the social, economic and ecosystem value of the Sunway Lagoon and Sunway South Quay Lakes.

MANGROVES: VULNERABILITY, ADAPTATIONS AND THEIR ROLE IN PROTECTING AGAINST COASTAL DISTURBANCES

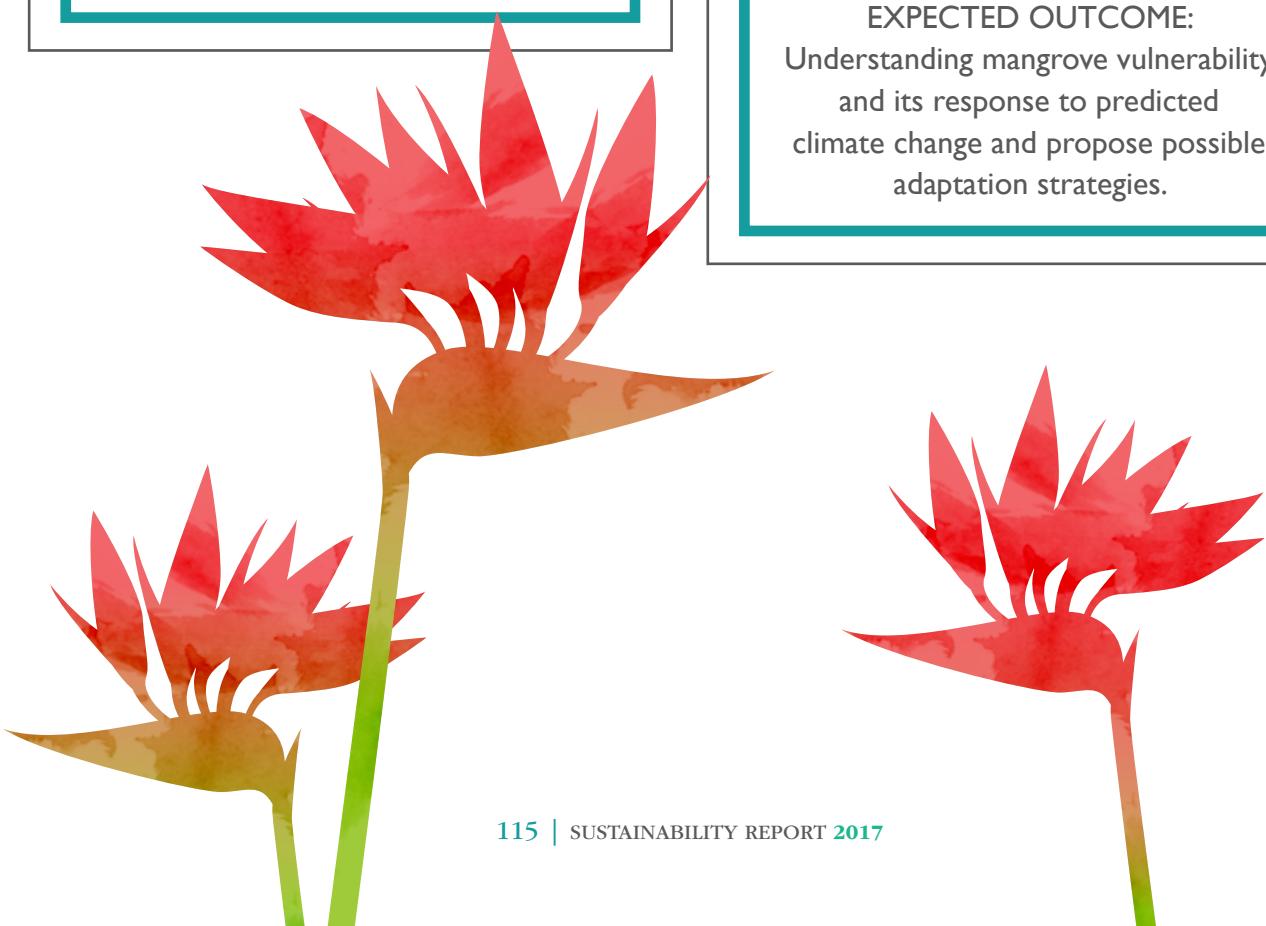


Mangroves provide invaluable services and protect many ecosystems including wildlife and humans. However, they are vulnerable to climate change, anthropogenic activities and catastrophic coastal disturbances. Rising sea levels pose the greatest threat to mangroves. Coastal reclamation and development also alter local coastal habitats, rendering them unsuitable for mangroves.

This project will propose a possible adaptation strategy based on model-based simulations to increase knowledge of mangrove vulnerability and responses to predicted climate change. Adaptation strategies include integrated coastal zone management best practices that facilitate mangrove protection, survival and landward migration with rising sea levels. The resilience of mangrove forests is analysed in relation to large, infrequent disturbances such as tsunamis, hurricanes and cyclones.

Research collaborators consist of Universiti Sains Malaysia (USM), Forest Research Institute Malaysia (FRIM), Miami University, USGS and Nanjing Forestry University.

EXPECTED OUTCOME:
Understanding mangrove vulnerability and its response to predicted climate change and propose possible adaptation strategies.



GENERATING DYNAMIC INNOVATION-BASED ECONOMIC GROWTH THAT IS SOCIALLY INCLUSIVE



While the strategy of export-oriented growth has produced rapid rates of economic progress, income inequality is growing rapidly and social mobility is slowing down. Social exclusion and excessive inequality generate instability that lower economic growth rates and make growth less sustainable over time. Furthermore, the technological trend of replacing low-skilled workers with machines such as robots is exacerbating the downward pressure on the income share of the poorest groups.

This project aims to uncover how to leverage technological innovation to create circuits of economic activity and work opportunities that would raise the welfare of lower-income and marginalised groups. This project also aims to come up with institutional innovations that would mitigate the negative social impact of disruptive technologies.

EXPECTED OUTCOME:
Recommendations for innovative programmes that will enable the emergence of small players alongside large incumbents, thus widening the pool of economic participants to include those who were previously on the fringes of society.

IMAGINING: THE SPECULATIVE DESIGN FOR CO-DESIGNING POLICIES RELATING TO AGEING IN PLACE/CITY



The Jeffrey Sachs Center collaborated with other academic departments in Sunway University and Lancaster University, in partnership with United Nations University-International Institute for Global Health (UNU-IIGH) to empower citizens to act as co-designers in policy agenda setting. Using speculative design, it enables citizens and governments of developing countries to engage in policy agenda-setting on ageing well in the city.

With its novel project design, the first of its kind in Malaysia (although the design method has been employed in the Euro-Atlantic regions), the project allows for more efficient, effective, transparent and evidence-based policy making for governments.

This project was showcased at the 2018 World Urban Forum.

EXPECTED OUTCOME:

To allow the aged to be active participants in co-designing policies that will allow them to live well in their community.

MONASH UNIVERSITY MALAYSIA PHD SCHOLARSHIP



Monash University Malaysia offered 80 full PhD scholarships to support research and development in key areas that are aligned to sustainable development in the region.

REAFFIRMING OUR COMMITMENT TO A SUSTAINABLE FUTURE

As one Sunway, we reflect on the progress we have made and what we have learnt along the way, including how this is shaping our approach for the following years.

KEY GOVERNANCE MATTERS	RATIONALE	FUTURE COMMITMENT
TRAIL BLAZER OF UNSDGs IN THE REGION	While the UNSDGs have been agreed on, the complexity of issues confronting different countries means much work remains to be done.	The Jeffrey Sachs Center on Sustainable Development (JSC) together with Sunway's 12 business units will remain focused on advancing UNSDG achievements in the ASEAN region through research and solutions-oriented approaches.
BEYOND SOCIAL IMPACT TO SOCIAL VALUE	It is important to quantify social value or impact of a social activity to justify its sustainability.	Social Return on Investment (SROI) analysis will be performed for each proposed social programme and presented to the Board for approval.
UNIFIED HR SYSTEM	Systematic people data is crucial in eliciting meaningful insight that will help drive businesses forward and deliver results.	SAP SuccessFactors, which is a single and integrated source of records for all workforce data, is the enabler of Sunway's HR processes. The system will be fully embraced across all Sunway business units.
CENTRALISED AND INTEGRATED DATA MONITORING SYSTEM	Although it is challenging for Sunway to manage a centralised environmental record system due to being a diverse business operating across borders, the Group's overall environmental performance is an important component of risk management.	The Sunway Smart Sustainable Committee will be responsible for developing a centralised environmental data system that covers all business units.
CHAMPIONING INNOVATION	With our diverse businesses, each with its own successful track record, there is a great opportunity in catalysing the innovation ecosystem.	Sunway iLabs, which is Malaysia's 5 th Digital Hub, will continue to be a platform that provides end-to-end support in innovations. It provides startups and tech entrepreneurs with the connections and dynamic workspaces to achieve rapid growth and help Malaysia establish itself as a digital and technology hub in the ASEAN region.
SUNWAY SMART SUSTAINABLE CITY	Sunway is strengthening its sustainable development credentials by transforming Sunway City into a model smart sustainable city of the 21 st century in the region.	We have started various integrated approaches as highlighted on page 105 of this report. We will continue to promote this agenda to deliver our promise of a smart sustainable Sunway.
LEADING AND SUSTAINING TRANSLATIONAL AND TRANSNATIONAL R&D AND EDUCATIONAL INNOVATION IN KEY AREAS STRATEGIC TO THE DEVELOPMENT OF VARIOUS COMMUNITIES IN SUNWAY CITY, MALAYSIA AND THE ASEAN REGION	Sound Teaching and R&D ecosystems that are critical for developing next generation knowledge, scientific discoveries and innovation for sustainable development of Sunway City and countries in the ASEAN region.	Monash University Malaysia will continue to enhance research and educational excellence by continuing to invest in its academic and professional staff, teaching and research facilities, scholarship programmes, seed funding for research and educational innovation projects and engagement with external stakeholders. Through these investments and initiatives, Monash University Malaysia will continue to provide high-quality education and research that meet the needs and address the challenges encountered by the various stakeholders in the ASEAN region.

For further information, please contact

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