Corporate Presentation

June 2022















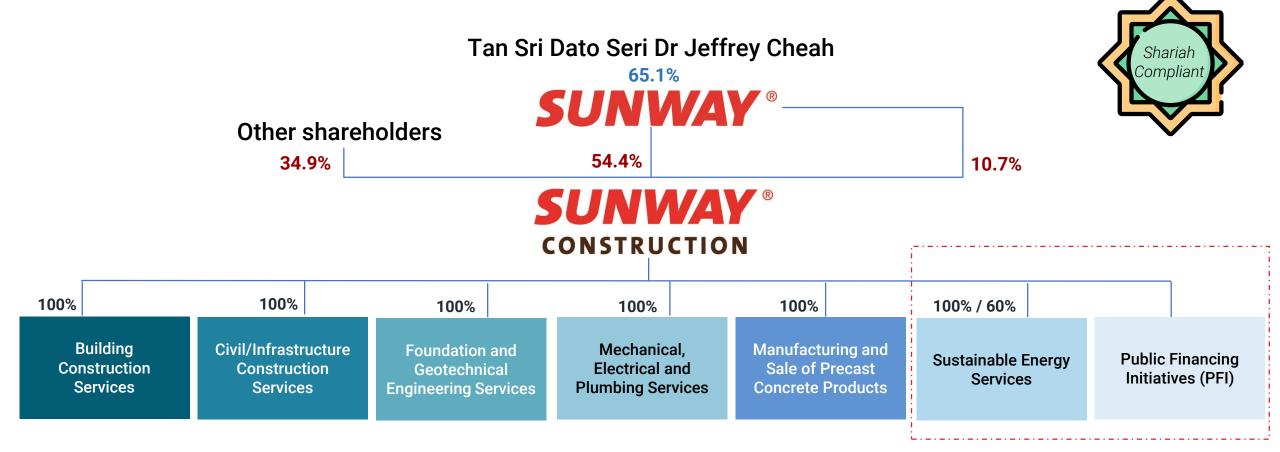


CORPORATE PROFILE

SUNWAY CONSTRUCTION

- Incorporated in 1976 & commenced business in 1981
- First listing in year 1997 & delisted in year 2004
- Relisting under the construction sector of the Main Market of Bursa Malaysia on 28th July 2015
- Cumulative revenue since inception of more than RM40bil
- Market capitalization: Around RM2.0bil (June 2022 : Foreigners 1.94%; Non Bumi 44.92%; Bumi 53.13%)
- Top external shareholders (EPF 9.2%, Amanah Saham 7.1%, Great Eastern 4.1%, KWAP 1.3%, AIA 1.1%, PNB 1.0%)





FULLY INTEGRATED BUSINESS MODEL





- Design and construction service provider specializing in Building Information Modeling System (BIM /VDC)
- International portfolio includes projects in Singapore, UAE and Trinidad and Tobago
- Special Purpose Building Projects include Kuala Lumpur Convention Centre, Pinewood Studio, Sunway Medical Centre, Monash University Campus M'sia; Sunway Shopping Mall; Putrajaya Govt Agency Offices; International School of Kuala Lumpur



- Roads, highways, airports, bridges and rail transportation infrastructure projects over the last 30 years
- Local Projects include Ipoh Airport, SILK, Maju Expressway, SKVE, MRT, LRT and BRT
- Overseas Projects include 7 completed highways and bridges in India and 2 new HAM project secured in FYE 2020



- Core services include piling solutions and earth retaining systems
- Services cover all types of buildings such as residential, commercial, institutional, purpose-built or specialty buildings, and civil/infrastructure construction projects.



Mechanical, Electrical and Plumbing Services

- Main services are categorised into mechanical, electrical, plumbing and specialised engineering solutions
- Services offered to both internal and external clients as part of integrated services and on stand alone basis



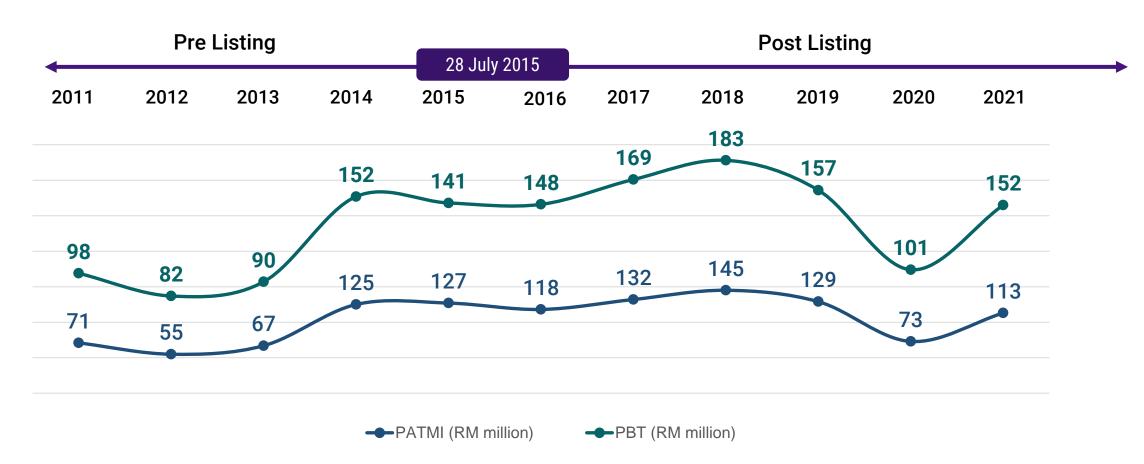
- Solar : Rooftop (Sunway projects) and large scale
- Gas District Cooling System (Putrajaya)
- Biomass system (BioExcel in Johor)
- LSS4 (EPC 2 x 50MW)
- JV with ENGIE for District Cooling Systems (DCS)



- Develops, designs, manufactures and supplies precast concrete products with manufacturing plants located in Iskandar and Senai, Johor, Malaysia
- Precast concrete products manufactured, include Industrialised Building System ("IBS") components, for residential, commercial and infrastructure development projects



	IPO (28.7.15)	29.12.17	31.12.18	31.12.19	31.12.20	31.3.21	30.6.21	30.9.21	31.12.21	31.03.22	30.06.22
Price (RM)	1.20	2.51	1.33	1.91	1.88	1.80	1.66	1.63	1.56	1.72	1.49
Market Cap	1.55b	>3.0b	1.72b	2.5b	2.4b	2.3b	2.2b	2.1b	2.0b	2.2b	2.0b



2011 to 2014 figures as per prospectus and circular and 2016 to 2019 have been restated for MFRS 9



	2016 Restated RM mil	2017 Restated RM mil	2018 Restated RM mil	2019 Audited RM'mil	2020 Audited RM'mil	2021 Audited RM'mil	1Q2022 Unaudited RM'mil	2Q2022 Unaudited RM'mil
Revenue	1,788.8	2,076.3	2,256.8	1,768.7	1,552.6	1,729	624.7	557.9
PBT	148.0	168.7	182.7	157.4	101.5	152.2	47.2	43.0
PBT %	8.3%	8.1%	8.1%	8.9%	6.5%	8.8%	7.6%	7.7%
PBT % - Construction	6.0%	7.3%	8.6%	9.6%	6.8%	9.3%	7.9%	7.9%
PBT % - Precast	20.3%	19.0%	0.8%	1.9%	2.8%	2.8%	2.7%	5.4%
PATMI	117.8	132.3	144.7	129.3	72.8	112.6	34.5	32.3
ROE (%)	26%	26%	26%	21%	12%	17%	N/A	N/A

Management's commitment is 35% of full year PATMI

Dividend for 2015 : 4 cents or > 40% of full year PATMI

Dividend for 2016 : 5 cents or > 55% of full year restated PATMI

Dividend for 2017 : 7 cents or > 68% of full year restated PATMI

Dividend for 2018: 7 cents or > 62% of full year PATMI

Dividend for 2019: 7 cents or 70% of full year PATMI

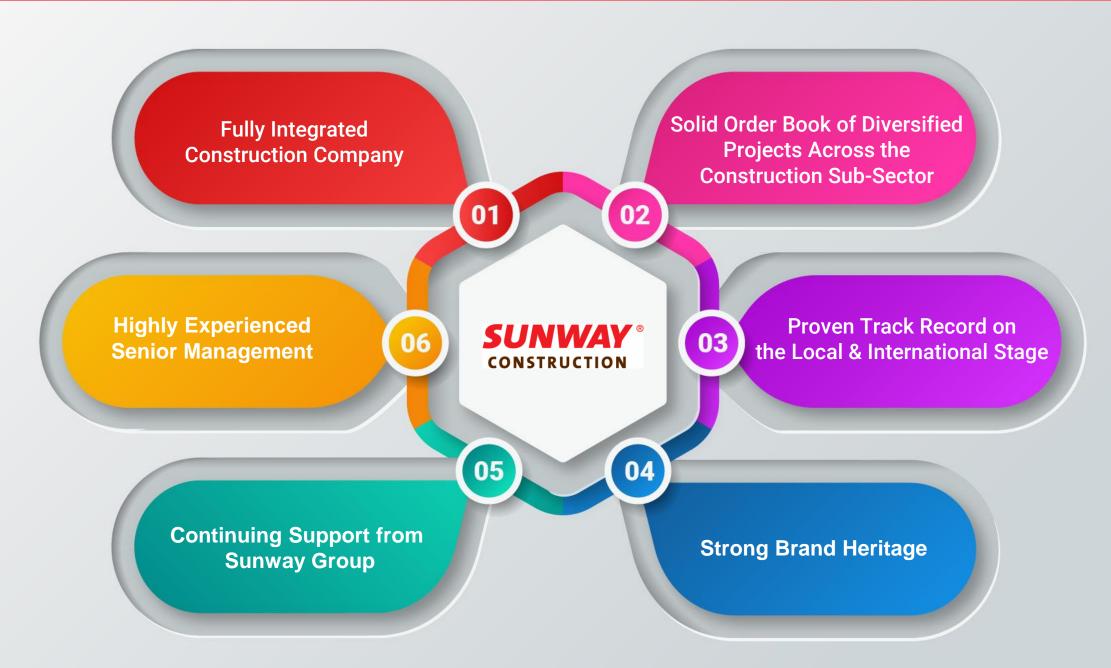
Dividend for 2020 : 4 cents or > 70% for full year PATMI

Dividend for 2021 : 5.25 cents > 60% for full year PATMI



	2014	2015	2016	2017	2018	2019	2020	2021
			Qualit	у				
QLASSIC - Construction	79%	75.3%	73.3%	77.2%	73.6%	75.0%	N/A	83%
CONQUAS - Precast	100%	100%	100%	100%	99.2%	N/A	N/A	N/A
Customer Satisfaction	75.6%	76.5%	74.3%	75.7%	77.6%	77.7%	96.1%	92.2%
ESH								
Work Man-Hours	16,376,137	14,676,640	16,918,924	18,790,437	20,242,286	16,611,284	14,723,472	17,869,038
Fatal Accident	2	2	2	-	-	1	2	-
			Employe	ees				
% Woman	15%	16%	15%	16%	14%	14%	16%	19%
Ratio Men: Women pay	0.97:1	0.97:1	0.98:1	0.97:1	0.96:1	1:0.93	0.99:1	1:0.91
Man day training/staff	3.23	3.6	2.7	1.2	2.8	3.4	2.0	2.23
Attrition	17%	14%	13%	13%	13%	11%	13%	14.6%



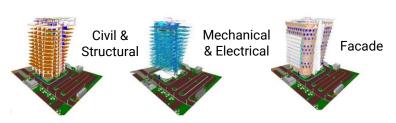




A Turnkey Contractor with a Full Range of Integrated Services & Products

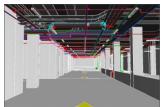


Range of Services Supported by Building Information Modelling, Large Asset Base & Best Practices



Building Information Modelling = Improved visualization for clash analysis







Large Asset Base Allows Us to Maximize Economies of Scale

- **26** Boring Rigs
- 25 Excavator
- 18 Tower Cranes
- 12 Backhoe
- 17 Mobile Cranes
- 10 Crawler Cranes
- **7** Skylift
- 45,000 m² System Formworks

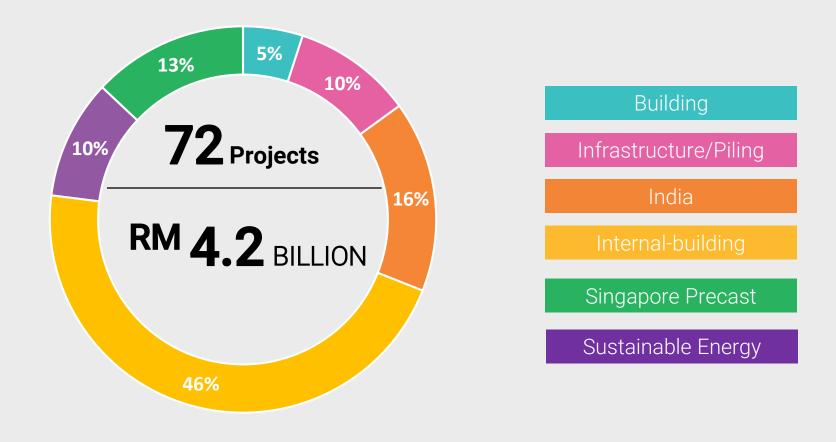




Maximizing Cost Savings and Improved Operating Efficiencies = Enhanced Profitability

- Quality Control
- Rationalising Functions
- Consolidating Management Funtions
- Maximise Economies of Scale





Target NEW order book → FYE 2022 : RM2b

	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
New Order	1.5b	2.3b	1.8b	1.6b	4.0b	2.7b	2.6b	0.8b	2.9b	1.9b
Outstanding Order Book	4.8b	5.1b	5.2b	5.2b	6.6b	4.8b	3.8b	3.0b	3.2b	4.2b

INVESTMENT HIGHLIGHTS: 02 SOLID DIVERSIFIED ORDER BOOK



AS AT JUNE-22 (RM MIL)	COMPLETION	CONTRACT SUM	O/S ORDERBOOK	
BUILDING			211	5%
PUTRAJAYA PARCEL F	Maintenance	1,610	5	
TNB HQ CAMPUS (PH 2)	3Q 2022	781	116	
PETRONAS LEADERSHIP CENTRE (PLC)	Completed	305	25	
IOI MALL (MEP)	3Q 2022	68	7	
OXLEY TOWER (MEP)	4Q 2024	68	52	
PNB118 PKG A&B (MEP)	3Q 2022	8	6	
INFRASTRUCTURE/PILING			405	10%
LRT 3 : PACKAGE GS07-08	4Q 2022	1,295	87	
SENTUL WEST MRTUG ST. (MEP)	3Q 2022	57	3	
CHAN SOW LIN MRTUG ST. (MEP)	3Q 2022	54	2	
JALAN TAMBUN, IPOH	4Q 2022	14	12	
BANGSAR RISING - PILING	3Q 2022	5	4	
TASCO	3Q 2022	9		#
LRT 3 : GS06 (Piling)	2Q 2022	1		#
RTS LINK PACKAGE P2A	2Q 2025	112	104	
KB - Kuala Krai BR1-BR7 (Piling)	4Q 2022	2	2	
LRT 3: GS06	3Q 2023	191	191	
INDIA			687	16%
THORAPALLI - JITTANDAHALLI (TJ)	4Q 2023	508	458	
MEENSURUTTI - CHIDAMBARAN (MC)	3Q 2023	315	228	
SUSTAINABLE ENERGY			438	10%
SOLAR - EXTERNAL	Various	414	392	
NEW ORDER 2022 - EXTERNAL	Various	38	38	
NEW ORDER 2022 - INTERNAL	Various	8	8	
SINGAPORE			530	13%
PRECAST	Various	531	402	
NEW ORDER 2022 - EXTERNAL	Various	128	128	

AS AT JUNE-22		CONTRACT	O/S
(RM MIL)	COMPLETION	SUM	ORDERBOOK
INTERNAL - SUNWAY GROUP			1,959 46
SMC 4 + VO	3Q 2023	612	205
SUNWAY SERENE	4Q 2022	413	41
SUNWAY BELFIELD	4Q 2024	403	332
SUNWAY VELOCITY 2	4Q 2022	352	51
SOUTH QUAY CP2 - SUPERSTRUCTURE	3Q 2024	557	551
SUNWAY CARNIVAL MALL EXT.	3Q 2022	286	23
SUNWAY VELOCITY 2B	4Q 2023	253	208
SMC DAMANSARA	3Q 2023	240	213
SMC SEBERANG JAYA	3Q 2022	196	9
SMC IPOH	1Q 2024	150	136
SW INTERNATIONAL SCHOOL (SIS)	4Q 2022	140	20
SOUTH QUAY CP2 - PILING	4Q 2022	198	19
SUNWAY VELOCITY 3C4	3Q 2022	100	55
SUNWAY HOTEL RENOVATION	3Q 2022	81	11
BIG BOX OFFICE	3Q 2022	51	14
BUTTERWORTH-KULIM EXPRESSWAY	3Q 2022	4	2
DRAINAGE WORKS	4Q 2022	1	1
WELLNESS ROAD & DRAIN	3Q 2022	1	1
SMC IPOH VO	1Q 2024	67	67
GRAND TOTAL @ JUN 2022		10,628	4,229
RED : SECURED IN 2022		563	544
# Completion during the year			

Completion during the year

SOLID DIVERSIFIED ORDER BOOK – DETAILED

Projects (2022 new awards)	Client	Duration	Contract Sum (RM'mil)
Hougang N1C14 - PPSC project (390DU)	Chang Hua Construction Pte Ltd	Feb 23-April 24	80.7
Fit-out works for Menara Merdeka 118 (Electrical) - Pkg A	Black Point Associates (M) Sdn Bhd	Dec21-Aug22	3.8
Fit-out works for Menara Merdeka 118 (Electrical) - Pkg B	D'Yakin Creation Sdn Bhd	Dec21-Aug22	3.8
TASCO (Piling)	Kajima (Malaysia) Sdn Bhd	Jan22-May22	8.7
Roof top Solar	Sunway Property & Facility Mgmt & Sunway Lagoon	Oct-22	7.8
RTS Link Package P2A (ICQ Complex) - Piling	Adil Permata Sdn Bhd	Jan 22-June 25	111.5
LRT3 GS06 (piling)	RKR Bina Sdn Bhd	31-Mar-22	1.2
Yishun N3C27 - PPVC	LBD Engineering Pte Ltd	Dec 22 - Dec 24	47.1
Wellness Road & Drain	Sunway Resort Hotel & Spa	Mar 22 - Jun22	0.9
Secured in 1Q 2022			265.6
SMC Ipoh VO	Sunway Medical Centre Ipoh Sdn Bhd	Oct 21-Jan 24	67.0
Solar	Various	Various	2.9
CP2 District Cooling System (DCS)	Engie Services Malaysia Sdn Bhd	May22-Apr25	34.8
KB - Kuala Krai BR1-BR7 (Piling)	Asianmax Corporation Sdn Bhd	Aug22-Nov22	2.1
LRT3 GS06	Setia Utama LRT3 Sdn Bhd	Aug22-Sep22	190.7
Secured in 2Q 2022			297.5
TOTAL AS AT 2Q 2022			563.1

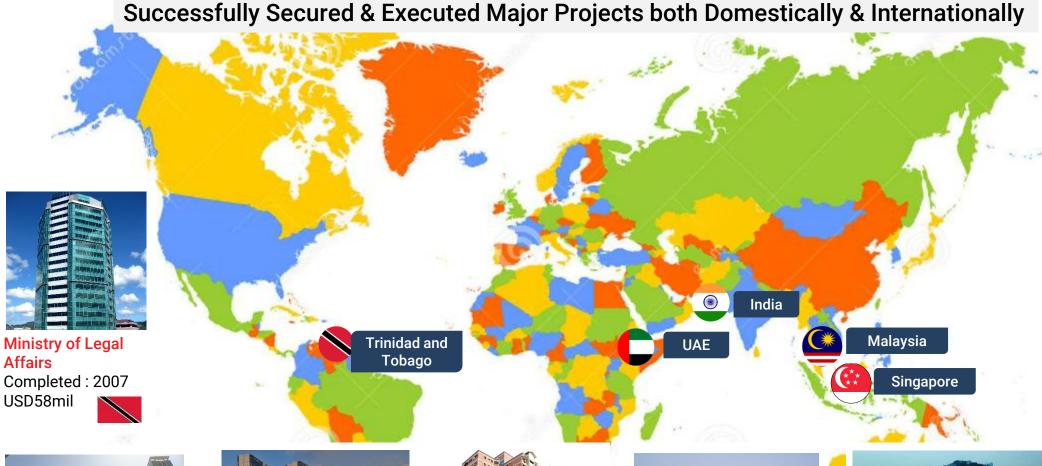
Target NEW order book → FYE 2022 : RM2b

New order

2021: 1.5b; **2020 :** 2.3b; **2019 :** 1.8b; **2018 :** 1.6b, **2017 :** 4.0b, **2016 :** 2.7b, **2015 :** 2.6b, **2014 :** 0.8b, **2013 :** 2.9b, **2012 :** 1.9b

Outstanding Order book

2021: 4.8b; 2020: 5.1b 2019: 5.2b; 2018: 5.2b, 2017: 6.6b, 2016: 4.8b, 2015: 3.8b, 2014: 3.0b, 2013: 3.2b, 2012: 4.1b





Parcel F, Putrajaya Completed: 2019 RM1,610mil





MRT Package V4, Klang Valley Completed: 2016 RM1,172mil



Kuala Lumpur Convention Centre

Completed: 2005 RM549mil





Al-Reem Island Phase 1, Plot 1

Completed: 2009 USD362mil



Rihan Heights Phase 1A

Completed: 2010 USD510mil





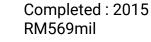
HDB - Bukit Merah Completed: 2016 SGD31mil



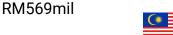
East-West Corridor Uttar Pradesh Completed: 2008

US67mil





LRT Package B





Proven Capabilities

Which Led to an Established Multi-Award Winning Brand



2020

- 19 Feb: Leadership Area –Based Demarcation (LeAD) Programme by Petronas –
 "Best Area Champion (Onshore Construction
- 6 Mar: 5th Asia Best Sustainability Reporting Awards (ASRA) Singapore –
 Asia's Best Sustainability Report within Annual Report "Bronze"
- 30 Sept : MSWG-ASEAN Corporate Governance Award 2019 Industry Excellence Award
- 14 Dec: The Edge Billion Ringgit Club award Construction Sector: Highest return on ROE
- 17 Dec: The ASSETS ESG Award Gold Award
- 22 Dec : NACRA (National Annual Corp Report Award) Platinum for market capitalisation < 2b

2021

- 9 April Mechanical & Electrical Contractors award from MBAM
- 12 April MSOSH 2019 OSH Award (Gold 1 PNLC) (Gold 2 TNB Campus)
- 12 Aug MSWG ASEAN Corporate Governance 2020 Award (Industry Excellence)
- 12 Aug ARC Awards International 2021 Annual Report (Industry) Bronze
- 8 Nov The Edge Billion Ringgit best ROE



SG50 Prestige Enterprise Award 2015 / 2016



Singapore Successful Brand 2015



MCIEA Builder of The Year Award 2018, 2013, 2005 & 2003



MCIEA International Achievement Award 2012



Industry Excellence Awards 2010 – Export Excellence Award



MCIEA Project Award: Building-Major Scale – KL Convention Centre 2006



Sunway Group Strategic Relationship

SUNWAY®

- ✓ Major property developer in Malaysia. Revenue = 2021 : 0.6b (2020 : 0.5b; 2019 : 0.6b; 2018 : 0.6b 2017:0.9b, 2016:RM1.2b) from its property development divisions
- ✓ Total gross development value of remaining landbank (3,334 acres) Johor 49%, Klang Valley 27%, Penang 6%, Singapore 14%, Others 4% RM59 bil (15 years)
- ✓ 2022 Launch Target: RM2.3b (2021: 3.2b; 2020:1.9b; 2019: 1.2b, 2018: 2.1b, 2017: 1.1b, 2016: 0.65b, 2015: 1.4 bil)
- ✓ Sales target 2022 : RM2.2b (2021 : 2.6b; 2020 : 1.3b; 2019 : 1.55b; 2018 : 1.7b; : RM2017 : 1.2b; 2016 : 1.2b, 2015 : 1.2b)
- ✓ At least 51% stake in SunCon Group post IPO

Our Key Developments with Sunway Group







Sunway Geo Suites



Sunway Carnival Mall



Medical

Sunway Serene, Sunway Velocity Kelana Jaya Hospital



Sunway

Emerald Residence

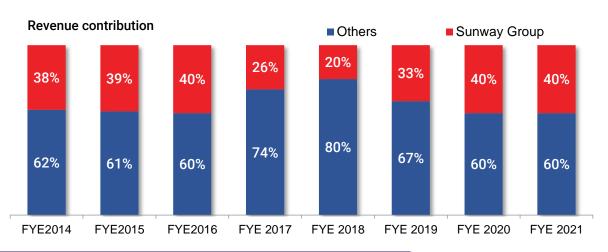
SUNWAY © CONSTRUCTION



Bed rock orders even during a decline in the construction sector

- ✓ Competitive advantage in property development design optimization, assurance on quality & timeliness
- ✓ Portfolio of diversified services across the construction sub-sector

Sunway Group's Continued Support



Symbiotic Relationship with Sunway Group Provides Stability During Periods of Downturn





LIEW KOK WING

Designation
Group Managing Director
(Appointed w.e.f. 01.04.2022)

Years in SunCon Group: >20 years
Construction Industry Experience
Over 20 years



RICHARD WONG KWAN SONG

Designation
Group Deputy Managing Director
(Appointed w.e.f. 01.04.2022)

Years in SunCon Group: > 20 years
Construction Industry Experience
Over 30 years



ERIC TAN CHEE HIN

Designation
Group Deputy Managing Director
(Appointed w.e.f. 01.04.2022)

Years in SunCon Group: >20 years
Construction Industry Experience
Over 20 years



EVAN CHEAH
Designation
Non-Independent Non-Executive
Director
Years in SunCon Group: 20 years
Construction Industry Experience
Over 15 years



YIP LAI HUN

Designation
Director Supply Chain &
Contracts Management

Years in SunCon Group: >25 years
Construction Industry Experience
Over 30 years



ELAINE LAI EE-LING

Designation
Chief Financial Officer
(Appointed w.e.f. 01.07.2022)

Years in SunCon Group: 11 years
Construction Industry Experience
Over 10 years



NG BEE LIEN
Designation
Chief Financial Officer
(Resigned w.e.f. 01.07.2022)
Years in SunCon Group: 16 years
Construction Industry Experience
Over 20 years



KWONG TZYY EN

Designation
Director Precast Division

Years in SunCon Group: > 20 years

Construction Industry Experience

Over 20 years



THOMAS SAMUEL

Designation
Director Piling Division

Years in SunCon Group: Since 2015

Construction Industry Experience

Over 30 years

Extensive Industry Expertise and Strong Execution Capability with an Average of Over 22 Years of Experience in the Construction Industry



Fully integrated Construction Company

- Integrated business model providing end-to-end design and construction solutions
- VDC enabled
- Focused on sustainability and renewable energy.
- · Well supported by investment in capex and assets previously

Solid Order Book

- Strong order book & tender book with diversified construction capabilities across various sub segments of the construction sector
- Proven Track Record in the Local & International Stage
- History of repeat order from reputable clients with high credit worthiness

Positioned for Growth

- The largest pure play listed construction company in Malaysia
- Top 3 construction group by turnover and profit
- Overseas venture to India (secured 2 HAM projects in FYE 2020)
- 12MP (2021 2025) Development Expenditure of 400b (11MP: 248.5b)
- Construction sector growth in 2022(F): 11.5%; 2021(E): 9.2%; 2020: -19.4%; 2019: 0.1% 2018: 4.2%; 2017: 6.7%; 2016: 7.4%; 2015: 8.2%
- Singapore Precast: Construction on ICPH plant is on-going (operational 2H 2022)

Continuing Support from Sunway Group

- At least 51% stake in SunCon Group post IPO
- Bed rock orders even during a decline in the construction sector (past years 40% revenue)
- Treasury support from Sunway Bhd

Financial

- High Return on Equity (2021: 17%) Best ROE for 3 consecutive years under construction sector awarded by The Edge Billion Ringgit Club
- Sound balance sheet with net cash position (after offsetting wholesale funds disclosed under investment in associate)
- 35% dividend policy (2018: 60%, 2019: 70%: 2020: 71%; 2021: 60%)





























Sunway Carnival Mall Extension

- Gross floor area to 1.45 million sq ft from the current 780,000 sq ft
- Net lettable area (NLA) from around 500,000 sq ft to 830,000 sq ft.

Completed in June 2022

Sunway Medical, Seberang Jaya

180-bed hospital with a six-bed intensive care unit

Opening 3Q 2022

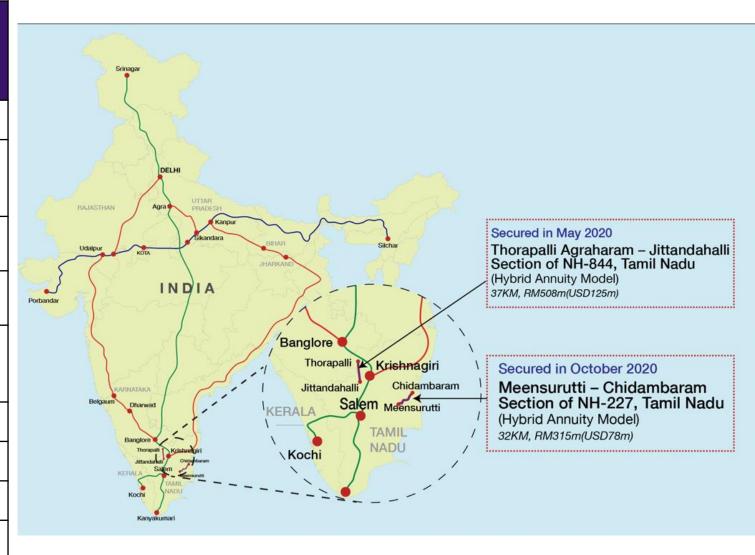




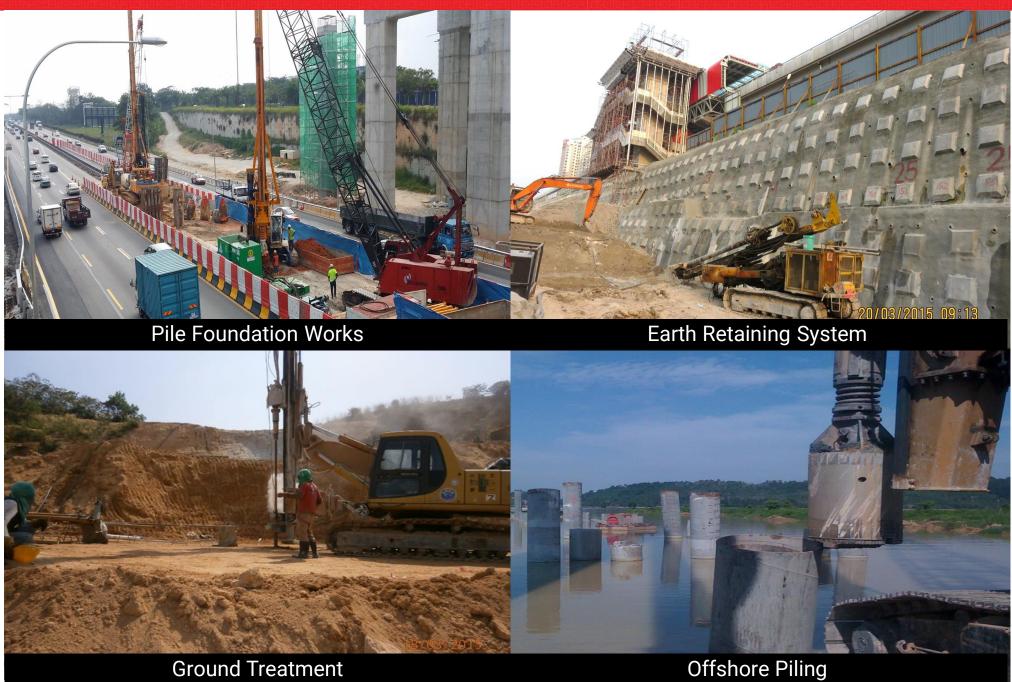


2 India Hybrid Annuity Model project secured in March & Oct 2020

	Thoropalli Jittandahalli	Meensurutti Chidambaram (Achieved Financial Closed on 10 May 2021)				
Contract Sum	864.5 crores	553.8 crores				
Maintenance per year (15 years)	7.08 crores	1.5 crores				
Construction years	2 years	2 years				
SunCon's portion	60%	60%				
Payment terms	annuity years. NHAI	ction and 60% over 15 I will pay us interest on BI rate + 3%				
Length	36.75 (4 lane)	31.53km (2 lane)				
State	Tamilnadu	Tamilnadu				
Start Date	8 Aug 2021					
Financial Close @ May 2021						











Pinewood Movie Studio

Central Utilities Facilities

KLIA Chilled Water





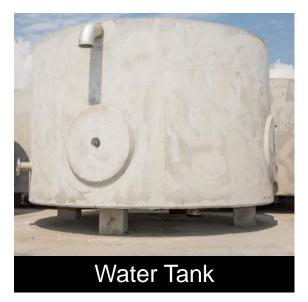
Gas District Cooling Plant - Putrajaya

Roof Top Solar – Sunway Iskandar



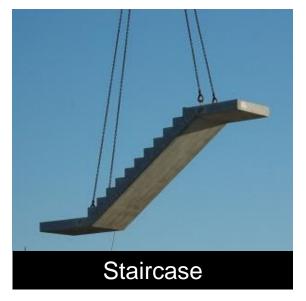










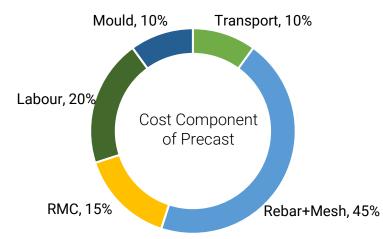












Plant	Area (sq. ft.)	Max Annual Capacity (m³)	Utilisation 2022 (%)	Utilisation 2021 (%)	Utilisation 2020 (%)	Utilisation 2019 (%)	No. of lines
Senai Plant (own)	Built up area : 262,231 Land area : 475,409	54,000	64%	48%	47%	46%	6+3 (half) lines
Iskandar Plant (rented)	Land area : 9 hectares	72,000	49%	41%	48%	72%	9 lines

HDB BTO Launch \Rightarrow 2022(F) = 23,000; (2021 = 17,109; 2019 : 14,591; 2018 : 15,811 2017 : 17,593; 2016 17,891; 2015 : 15,100 ; 2014 : 22,455)

Capacity building → ICPH (Integrated Construction Precast Hub) in Pulau Punggol Barat costing SGD80m during the 3 years construction period for a 30 years lease for a fully automated robotic precast plant (Tentative commissioning of plant : 3Q 2022)

PRECAST CONCRETE PRODUCTS – Opportunities In Singapore



SINGAPORE: By 2019, 35 per cent of newly launched housing board projects will be built using a method in which 3D modular units are manufactured and finished in factories, announced the Housing and Developing Board (HDB) in a news release on Wednesday (Sep 6).

The method, known as Prefabricated Prefinished Volumetric Construction (PPVC), is being piloted in Valley Spring @ Yishun. Construction for the 824 Build-to-Order (BTO) units began in March, and HDB said such technology will improve productivity and ensure greater quality control.

"Volumetric construction in a factory environment offers more uniform and better quality workmanship. The incidence of wet construction joints is also reduced, thereby improving the water tightness of wet areas," said HDB.

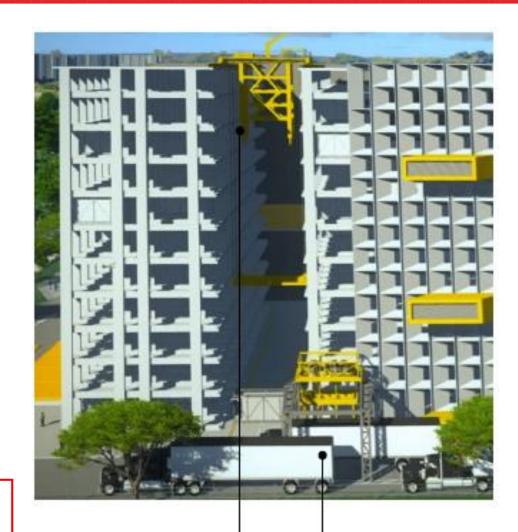
It added that with the finishes done in factories, there will be less noise and dust at the construction site. Fewer workers are also required on-site.

Apart from the PPVC method, HDB also announced that by 2019, all BTO flats will be fitted with bathroom units that are pre-assembled off-site, with finishes like copper piping, partial tiling, window frames and a waterproofing system.

The PPVC method will be 8 per cent costlier than conventional building methods, where workers hoist raw materials onto elevated blocks being built.

"These costs are expected to come down as the technology matures and the industry capacities and capabilities build up over time.

"The use of pre-fabricated bathroom units and PPVC methods will also translate to savings in terms of manpower," said the HDB.



LIFTING CRANE TRAILER DELIVERY



Singapore to spend \$139m promoting modular and digital construction

6 March 2020 | By Rod Sweet | 0 Comments



Singapore announced a range of measures this week to keep boosting construction productivity, including a S\$120m (US\$86.4m) fund to push modular techniques in new public-sector buildings, and S\$19m (US\$13.7m) to get SMEs using digital technologies.

The city state will also start cutting the number of foreign construction professionals firms can hire from next year, in order to boost home-grown talent.

Minister for National Development and Manpower, Zaqy Mohamad, told this year's Committee of Supply Debate that Singapore was on track to reach its 2020 target of 40% take-up of "design for manufacture and assembly" techniques, or DfMA, but wanted to reach 70% by 2025.

"This is an ambitious target but I think that we can achieve this by working together with the industry. We aim to make DfMA our default way of building," Mohamad said.

The S\$120m will be disbursed through Singapore's Public Sector Construction Productivity Fund (PSCPF), set up last year to promote DfMA techniques including prefabricated prefinished volumetric construction (PPVC), mass engineered timber, structural steel systems, and advanced precast concrete systems.

Singapore zeroed in on DfMA as a route to higher productivity in 2014, pouring S\$55m into a productivity fund, and commissioning a series of "integrated construction and precast hubs", which are highly-automated, multi-storey factories for producing precast concrete building elements and volumetric modules.

Digital push

This week Mohamad told his audience that Singapore's construction productivity had risen by more than 17% in the last decade.

The government sees digitalisation as an important way to make the industry more productive.



HDB construction productivity to improve 25 per cent by 2020

HDB to use prefabricated building methods in 35% of all its projects by 2019



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Prefabricated bathrooms units (PBUs) of better workmanship quality will be a feature of all newly launched Housing Board flats by 2019.

The Prefabricated Prefinished Volumetric Construction (PPVC) method - which involves constructing and assembling 3D modular units with finishes in a factory before it is transported to a construction site for installation - will also be used in 35 per cent of all HDB projects by that time.





Potential Risk	Potential Impact	Controls to Mitigate Risk
Fluctuation of material price	Steel bar price Dec'19: RM1,947 Mar'22: RM3,412 Dec'20: RM2,520 Jun'22: RM3,160 Dec'21: RM2,964 Bulk cement price Dec'19: RM222 Mar'22: RM307 Dec'20: RM214 Jun'22: RM329 Dec'21: RM275 Copper Dec'19: USD6,000 Mar'22: USD10,200 Dec'20: USD7,800 Jun'22: USD9,200 Dec'21: USD9,600	 Bulk locked-in steel rebar in advanced at lower prices or when price is favorable. Forward-looking steel rebar requirement (approximately 6 months in advanced). Managed to lock in at old price for most existing projects till completion.
Foreign currency fluctuation	Importation of solar panels, inverters, special lightings, furnishing & façade components	 FOREX hedging in advance once design and bill of quantity is confirmed. FOREX rates are fixed upfront at the contractual level.

MONTHLY AVERAGE FOR STEEL BAR (RM/MT)

