

SUNWAY[®]

CONSTRUCTION



Corporate Presentation

Dec 2020

CORPORATE PROFILE

- 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 RM28 bil
- Market capitalization: Around RM2.7bil (Sept 2020 : 2.9% Foreigner; 42.6% Non Bumi and 54.5% Bumi)
- Top external shareholders (EPF 9.1%, Amanah Saham 5.9%, Great Eastern 3.3% , AIA, Vanguard, PNB)



Tan Sri Dato Seri Dr Jeffrey Cheah

65.05%

SUNWAY®

Other shareholders

34.95%

54.4%

10.65%

SUNWAY®
CONSTRUCTION



FULLY INTEGRATED BUSINESS MODEL

Building Construction Services



- 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

Civil/Infrastructure Construction Services



- 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

Manufacturing and Sale of Precast Concrete Products



- 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

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

Renewable Energy



- Solar : Rooftop (Sunway projects) and large scale
- Gas District Cooling System (Putrajaya)
- Biomass system (BioExcel in Johor)
- LSS4 (Tender closed 2 Sept 2020).
- MOU with ENGIE – GDC in M'sia/India

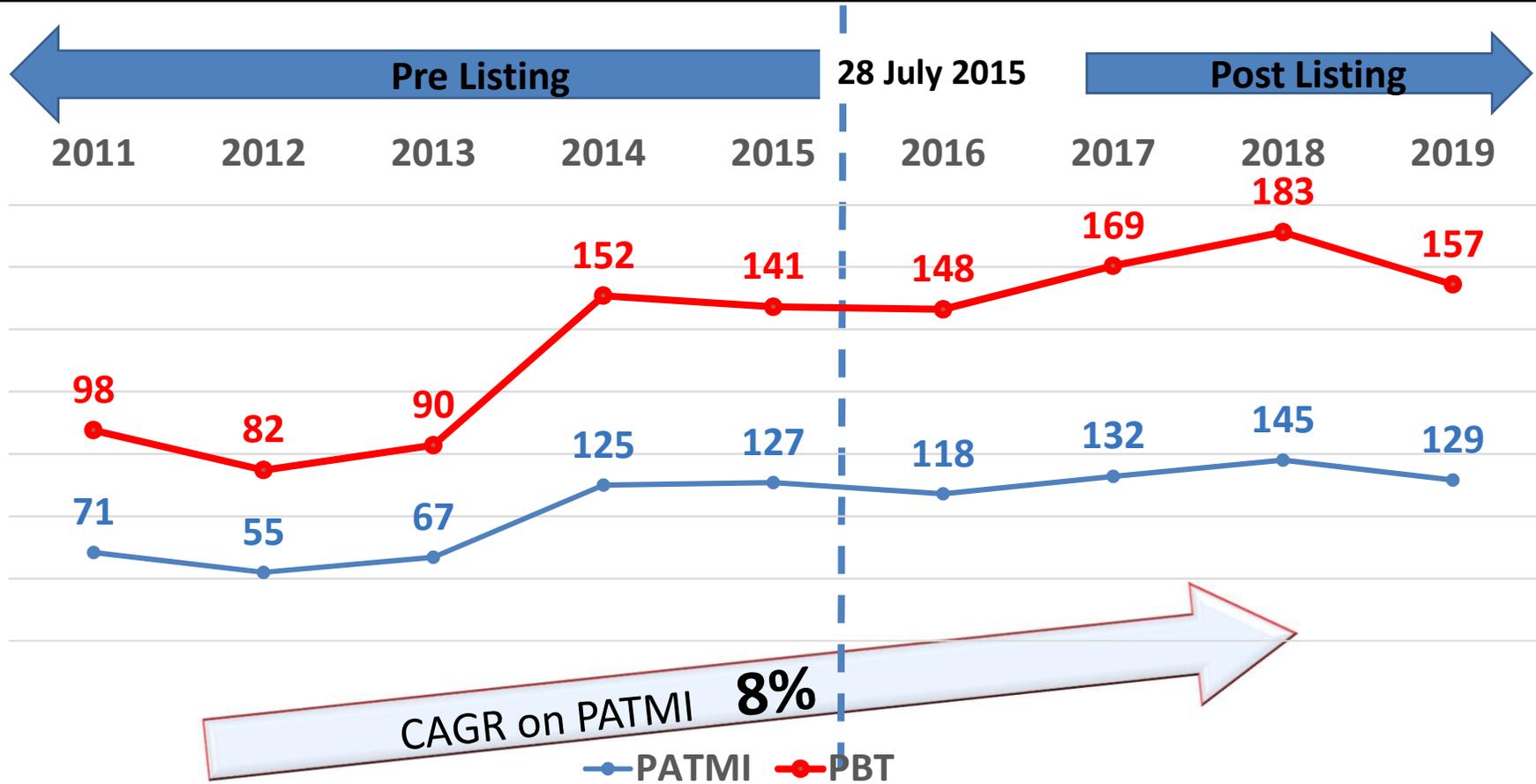
Foundation and Geotechnical Engineering Services



- 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.

PROVEN TRACK RECORD

	IPO (28.7.15)	29.12.17	31.12.18	29.3.19	28.6.19	30.9.19	31.12.19	31.3.20	30.6.20	30.9.20	31.12.20
Price (RM)	1.20	2.51	1.33	1.91	2.01	2.05	1.91	1.51	1.88	1.84	1.88
Market Cap	1.55b	>3.0 b	1.72b	2.47b	2.6b	2.7b	2.5b	2b	2.4b	2.4b	2.4b



2011 to 2014 figures as per prospectus and circular AND 2016 to 2017 have been restated for MFRS 9

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CONSTRUCTION

STRONG FINANCIAL PERFORMANCE

	2015	2016	2017	2018	2019	1Q2020	2Q2020	3Q2020	4Q2020	2020
	Audited	Restated	Restated	Restated	Audited	Unaudited	Unaudited	Unaudited	Unaudited	Unaudited
	RM mil	RM mil	RM mil	RM mil	RM'mil	RM'mil	RM'mil	RM'mil	RM'mil	RM'mil
Revenue	1,916.9	1,788.8	2,076.3	2,256.8	1,768.7	365.8	140.2	419.4	627.2	1,552.6
PBT	140.8	148.0	168.7	182.7	157.4	21.2	2.3	36.0	41.6	101.1
PBT %	7.3%	8.3%	8.1%	8.1%	8.9%	5.8%	1.7%	8.6%	6.6%	6.5%
PBT % - Con	3.8%	6.0%	7.3%	8.6%	9.5%	6.2%	4.3%	8.6%	6.4%	6.8%
PBT % - Precast	30.4%	20.3%	19.0%	0.8%	1.9%	2.1%	>(100%)	7.5%	10.2%	2.8%
PATMI	127.2	117.8	132.3	144.7	129.3	16.3	2.2	24.0	30.2	72.8
ROE (%)	31%	26%	26%	25%	21%					12%

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

SOUND BALANCE SHEET

	2015	2016	2017	2018	2019	1Q 2020	2Q 2020	3Q 2020	4Q 2020
	Audited	Restated	Restated	Restated	Audited	Unaudited	Unaudited	Unaudited	Unaudited
	RM mil	RM mil	RM mil	RM mil	RM'mil	RM'mil	RM'mil	RM'mil	RM'mil
SHF	451.7	487.8	542.9	590.2	623.0	639.6	597.6	607.4	636.9
Total assets	1,397.4	1,475.8	1,810.2	1,768.0	1,905.0	1,857.7	1,690.0	1,728.9	1,096.1
Bank borrowings	136.8	136.5	134.7	113.6	286.1	312.7	287.0	285.3	301..9
<i>In-house advance</i>	<i>21.9</i>	<i>56.9</i>	<i>131.5</i>	<i>96.3</i>	<i>95.8</i>	<i>30.9</i>	-	-	-
Cash + Placement	468.5	465.8	487.2	484.9	692.6	672.3	674.2	603.2	640.1
Net Gearing Ratio**	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Note : To be read in conjunction with our Combined Audited Accounts.

**As per prospectus*

***Net Gearing Ratio = Net debt / Shareholders' Funds*

NON FINANCIAL INDICATORS

	2014	2015	2016	2017	2018	2019	2020
<u>Quality</u>							
QLASSIC-construction	79%	75.3%	73.3%	77.2%	73.6%	75.0%	N/A
CONQUAS-precast	100%	100%	100%	100%	99.2%	N/A	
Customer Satisfaction	75.6%	76.5%	74.3%	75.7%	77.6%	77.7%	79%
<u>ESH</u>							
Work Man-Hours	16,376,137	14,676,640	16,918,924	18,790,437	20,242,286	16,611,284	14,723,472
Fatal Accident	2	2	2	-	-	1	2
<u>Employees</u>							
% Woman	15%	16%	15%	16%	14%	14%	16%
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
Man day training/staff	3.23	3.6	2.7	1.2	2.8	3.4	2.0
Attrition	17%	14%	13%	13%	13%	11%	13%

SUSTAINABILITY



SUSTAINABILITY

OUR FOOTPRINT IN OTHER SDGS



- Contributed funds to Yayasan Anak-Anak Yatim Wardatul Jannah, Kota Damansara for the management of the home and care of the orphans



- Provision of liveable home for a family of seven in Kampung Orang Asli Gumei, Batang Kali, Selangor under the Build A Home programme. This is SunCon's 3rd consecutive year participating in

this programme which aims to contribute to the improvement of quality of life for the orang asli community

- SunCon contributed to the #sunwayforgood social inclusion programmes which aims to address the 17 UNSDGs. In 2019, #sunwayforgood's programmes reached 221,709 beneficiaries



- We have built strong collaborative partnerships with public and private universities, as well as polytechnic schools
- Created platform for 42 young graduates to enhance their employability skills

- Provide training for employees to sharpen their skills, knowledge and competency through our robust learning framework
- Provision of study leave for employees to pursue tertiary education
- 4 employees are current pursuing Master in Sustainable Development Management offered by Sunway University under the prestigious Jeffrey Sachs Center on Sustainable Development which would benefits the organisation in its journey to be a sustainable builder



- We incorporated green energy features into our Green Building Index (GBI) projects such as installation of solar panels
- Installation of solar PV systems for buildings within Bandar Sunway



- We provided equal opportunity for men and women, in which our employees received similar pay despite being in a male-dominated industry
- Representation of women, 13% in the Board of Directors



"Due to the nature of our business, SunCon does not have much involvement in this pillar"



- We incorporate the inclusion of green spaces in our design and build projects to create a green ecosystem within the development



- Our active involvement in Master Builders Association Malaysia (MBAM) demonstrated our dedication to promoting and developing the construction industry in Malaysia
- SunCon's joint venture with Pekat Solar Sdn Bhd formed a subsidiary, Sunway Pekat Solar Sdn Bhd which aims to focus on renewable energy sector, especially enhancing our capabilities on solar energy



- We provided equal opportunity for all races and promoted meritocracy by embracing our Diversity and Inclusion Policy
- In 2019, SunCon's ratio of men to women pay equity are 1.00 : 0.93



- We participated in a Coral Reef Conservation programme in which we promoted the rehabilitation of coral reef and marine ecosystem

INVESTMENT HIGHLIGHTS



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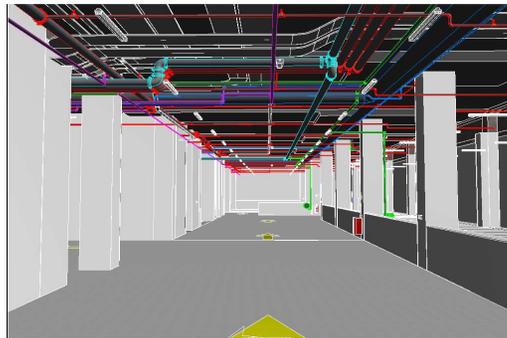
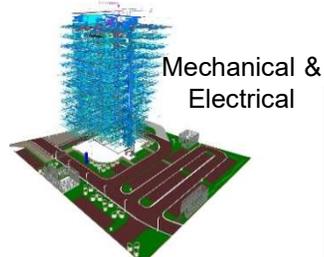
FULLY INTEGRATED COMPANY

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

18 Tower Cranes

3 Launching Girders

13 Crawler Cranes

17 Mobile Cranes

7 Passenger Hoist

27 Excavators

7 Skylift

47,000 M² System Formworks

Maximizing Cost Savings and Improved Operating Efficiencies = Enhanced Profitability

Quality Control

Rationalizing Functions

Consolidating Management Functions

Maximise Economies of Scale

Well Positioned to Bid for and Undertake Large and Complex Projects Both Domestically & Internationally to Diversify Risk and Ensure Sustainable Development

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SUNWAY
CONSTRUCTION

SOLID DIVERSIFIED ORDER BOOK

As at Dec-2020 (RM mil)	Completion	Contract Sum	O/S Orderbook	
Building			883	18%
Putrajaya Parcel F	Maintenance	1,610	18	
PPA1M Kota Bharu	2Q 2021	582	54	
TNB HQ Campus (Ph 2)	2Q 2022	781	508	
PLC	4Q 2021	305	211	
Oxley Tower (MEP)	2Q 2022	68	58	
IOI Mall (MEP)	4Q 2021	68	34	
Infrastructure/Piling			664	13%
MRT Y201 - S201	Finalisation	1,213	7	
LRT 3 : Package GS07-08	2Q 2022	1,295	573	
Sentul West Station (MEP)	4Q 2021	57	39	
Chan Sow Lin KYMRT UG St (MI	4Q 2021	54	46	
India			823	16%
Thorapalli Agraharam - Jittanda	3Q 2023	508	508	
Meensurutti - Chidambaram	3Q 2023	315	315	
Internal			2,391	47%
SMC 4	3Q 2022	450	293	
Sunway Serene	2Q 2022	413	188	
Yelo 2	4Q 2021	352	196	
Velocity 3C4	2Q 2021	100	53	
Sunway GEOLake	2Q 2021	223	19	
Carnival Mall Ext	4Q 2021	286	151	
SMC Seberang Jaga	4Q 2021	180	109	
Big Box Hotel	1Q 2021	100	32	
Parcel CP - Pilling	2Q 2021	119	27	
BKE (Seberang Jaga)	2Q 2021	4	4	
Parcel CP2 (superstructure)	3Q 2021	344	344	
Belfield	1Q 2024	403	396	
SIS	4Q 2022	121	110	
Hotel Guestroom Reno	2Q 2021	81	58	
Yelo 2B	3Q 2023	253	251	
SMC4 - YO	3Q 2022	162	162	
Renewable Energy			38	1%
New Order 2020 - Internal	2021	6	6	
New Order 2020 - External	4Q 2021	32	31	
Singapore			259	5%
Precast	Various	331	207	
New Order 2020	Various	51	52	
Grand Total @ Dec 2020		10,865	5,059	
<i>Red : Secured in 2020</i>		<i>2,334</i>	<i>2,285</i>	

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NEW ORDER BOOK SECURED 2020

Projects (2020 new awards)	Client	Duration	Contract Sum (RM'mil)
Thorapalli Agraharam – Jittandahalli Section of NH-844	National Highway Authority of India	24 months	508
Rooftop solar projects	In-house	< 6 months	4
Bukit Batok Primary School	Logistic Construction Pte Ltd	Various	1
Secured in 1Q 2020			513
Sunway International School - Bandar Sunway	Sunway Education Group Sdn Bhd	25 months	121
Chan Sow Lin KVMRT underground station (MEP)	MMC Gamuda KVMRT (UGW) JV	12 months	54
Ang Mo Kio N6C34	Thong Huat Brothers Pte Ltd	24 months	37
Secured in 2Q 2020			212
CP2 Mixed Development - Bandar Sunway	Sunway SouthQuay Sdn Bhd	40 months	344
3 blocks of 55/56 storey residential condominium	Sunway Belfield Sdn Bhd	45 months	403
Sunway Resort Hotel and Spa Renovation Works (MEP)	Deco Style Sdn Bhd	13 months	81
Sunway Medical Phase 4 (Add VO)	Sunway Medical	22 months	162
Sunway Velocity TWO- 2 blocks of serviced residence	Sunway Velocity TWO Sdn Bhd	34 months	253
Rooftop solar projects	In-house	< 6 months	7
Secured in 3Q 2020			1,250
Meensurutti - Chidambaram 32km	National Highway Authority of India	24 months	315
Rooftop solar - 3 factories in Karak, Shah Alam and Pulau Indah	F&N Group of companies	12 months	18
USM Rooftop Solar	Universiti Sains Malaysia	12 months	8
Toa Payoh NC430	Jstar Precast Pte Ltd	Various	3
Toa Payoh N1C26	Jin Cheng Pte Ltd	Various	11
BKE Flyover & Pedestrian Bridge	Taiko Odyssey	3 months	4
Secured in 4Q 2020			359
TOTAL - FY2020			2,334

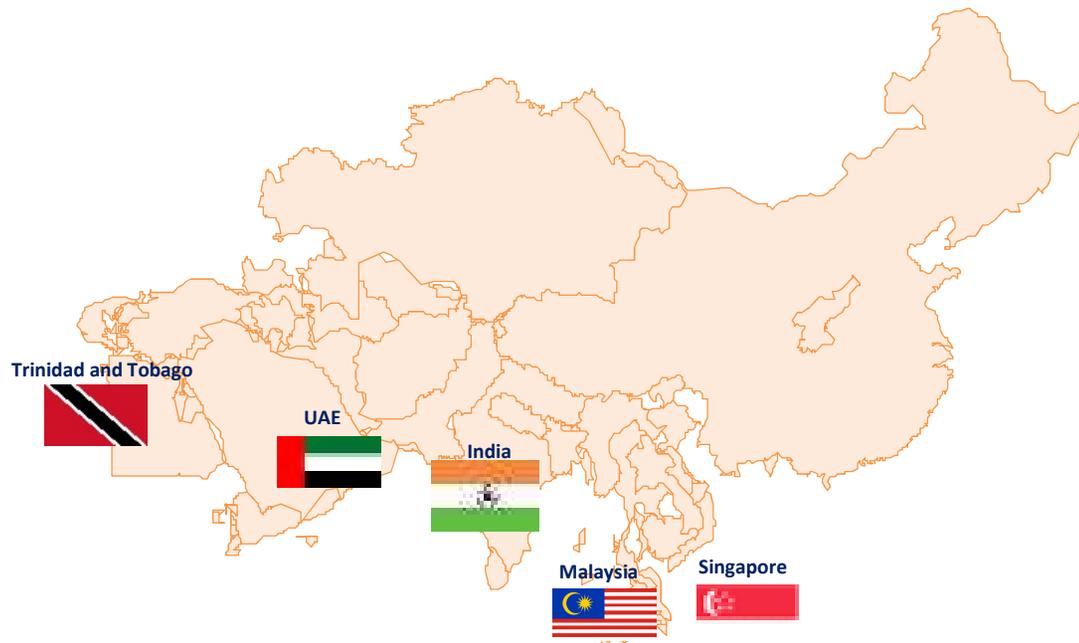
Target NEW order book → FYE 2021 : RM2b

New order 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 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

PROVEN TRACK RECORD

Successfully Secured & Executed Major Projects both Domestically & Internationally..



Parcel F, Putrajaya
Completed : 2019
Value: RM1,610mil



Package V4
Completed : 2016
Value: RM1,172mil



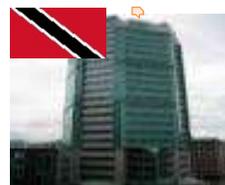
**Kuala Lumpur
Convention Centre**
Completed: 2005
Value: RM549mil



**Phase 1A,
Rihan Heights,UAE**
Completed: 2010
Value: US\$510 mil



**East-West Corridor
Uttar Pradesh, India**
Completed: 2008
Value: US\$67 mil



**Ministry of Legal
Affairs**
Completed: 2007
Value: US\$58 mil



**Phase 1, Plot 1
Al-Reem Island**
Completed: 2009
Value: US\$362 mil



HDB – Bukit Merah
Completed: 2016
Value: SGD31mil



LRT Package B
Completed : 2015
Value: RM569mil

STRONG BRAND HERITAGE

Proven Capabilities...

Which Led to an Established Multi-Award Winning Brand...



Proven
Operating
Success



SUNWAY[®]
CONSTRUCTION

Excellent
Reputation



40 Years Heritage

Leverage on the “Sunway” Brand

FTSE4Good Bursa Malaysia Index

Bursa Malaysia has always advocated sustainability as key to business success today. A holistic approach to business management, incorporating economic, environmental, social and governance considerations alongside financial ones, will serve as a sound business model that supports business continuity and long term value creation for stakeholders and society at large.



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 2014 – Export
Excellence Award



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

2020

- 19th February 2020: Leadership Area –Based Demarcation (LeAD) Programme by Petronas – “Best Area Champion (onshore construction)”
- 6 March 2020: 5th Asia Best Sustainability Reporting Awards (ASRA) Singapore – Asia’s Best Sustainability Report within Annual Report - “Bronze”
- Sept 2020 : MSWG-Asean Corporate Governance Award 2019 – Industry Excellence Award
- 14 Dec 2020 : The Edge Billion Ringgit Club award – Construction Sector : Highest return on ROE
- 17 Dec 2020 : The ASSETS ESG Award – Gold Award
- 22 Dec 2020 : NACRA award (National Annual Corp Report Award) – Platinum for market capitalisation < 2b

5 CONTINUOUS SUPPORT INTERNALLY

Sunway Group Strategic Relationship

SUNWAY®

- ✓ Major property developer in Malaysia. Revenue =2019 : 0.6b (2018 : 0.6b 2017:0.9b, 2016:RM1.2b) from its property development divisions
- ✓ Total gross development value of remaining landbank (3,362 acres) Johor 50%, Klang Valley 28%, Penang 6%, Singapore 12%, Others 4% – **RM59 bil (15 years)**
- ✓ 2021/2020 Launch Target : **RM2.8b** (2020:1.9b; 2019 : 1.2b, 2018 : 2.1b, 2017 : 1.1b,2016:0.65b,2015: 1.4 bil)
Sales target 2021 : **RM1.6b** (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



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CONSTRUCTION

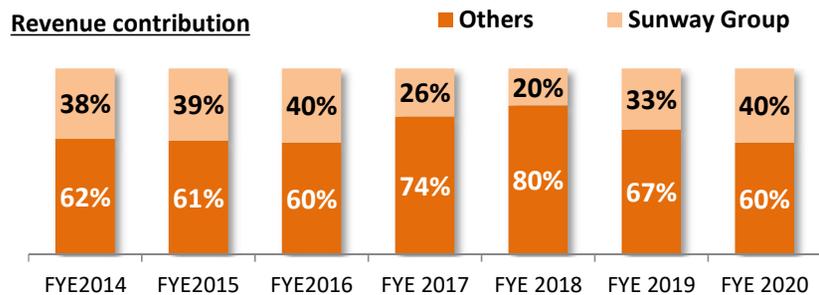
- ✓ Competitive advantage in property development – design optimization, assurance on quality & timeliness
- ✓ Portfolio of diversified services across the construction sub-sector

Our Key Developments with Sunway Group



Sunway Group's Continued Support

Revenue contribution



- ✓ 2019 : Internal new job order win = 13% [2018 : 77%]
- ✓ 2017/8 : reduced reliance on in-house jobs

Symbiotic Relationship with Sunway Group Provides Stability During Periods of Downturn

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HIGHLY EXPERIENCED MANAGEMENT TEAM

Chung Soo Kiong



Designation : Group Managing Director

Years in Suncon Group : >20 years

Construction Industry Experience : Over 20 years

Liew Kok Wing



Designation : Managing Director

Years in Suncon Group : > 20 years

Construction Industry Experience : Over 20 years

Richard Wong



Designation : Deputy Managing Director

Years in Suncon Group : 20 years

Construction Industry Experience : Over 28 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 Mgmt

Years in Suncon Group : > 25 years

Construction Industry Experience : 27 years

Thomas Samuel



Designation : Director Piling Division

Years in Suncon Group : Since 2015

Construction Industry Experience : Over 33 years

Ng Bee Lien



Designation : Chief Financial Officer

Years in Suncon Group : 15 years

Construction Industry Experience : 20 years

Kwong Tzyy En



Designation : Director Precast Division

Years in Suncon Group : 20 years

Construction Industry Experience : Over 20 years

Eric Tan Chee Hin



Designation : Director MEP Division

Years in Suncon Group : 20 years

Construction Industry Experience : Over 19 years

Extensive Industry Expertise and Strong Execution Capability with an Average of Over 23 Years of Experience in the Construction Industry

KEY TAKEAWAYS

Fully integrated Construction Company

- Integrated business model providing end-to-end design and construction solutions
- VDC enabled
- 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)
- FY2020 : Revival of government pump priming projects such as the ECRL, HSR (extended till Dec 2020), MRT3, LSS4
- Construction sector growth in 3Q 2020 : -12.4%; 2Q 2020: -44.5%; 1Q2020: -7.9% 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 (> 20%)
- Sound balance sheet with net cash position
- 35% dividend policy (2015 : > 40%, 2016 : > 50%, 2017 : > 60%, 2018 : > 60%, 2019 : 70% : 2020 : 70%)

BUILDING – KLANG VALLEY

Job Scope : 1 storey semi basement car park, 4 storey institutional building, 2 guard house, 1 surau and other including associated works and upgrading of ancillary buildings

This building is designed with a target of Platinum rating for both GBI and LEED. The Campus is designed to encourage social collaboration and enhance future learning experiences through innovative learning spaces in support of PETRONAS work culture. The form of the campus is the curved central pedestrian spine that becomes a main Infrastructure focus and links all building components, where classes and accommodation blocks are interconnected closely to create space cohesion and spaces that are physically connected via crossing pedestrian bridge, adjoining classroom, guestroom and public spaces, to allow seamless visual interaction and connectedness to all these spaces. The building measures 470 meters long and by 36 meter depth including the central spine with a total built up area of 42,074.82 sq. m (452,725 sq. feet) including the sub-basement car park.



Contract Sum : RM310 mil
Client : Petronas
Completion : 1Q2021



BUILDING – KLANG VALLEY

Building	No of Storey
Block A – Office	19
Block B - Office	12
Block C - Office	9
Block D- Office	7
Basement 2	1
Basement 1	1
LG	1
5 - Convention Centre	3
6 - Interactive Centre For Electricity	2
7 - Pelitawanis	4
8 - Child Care	3



AERIAL VIEW	
1 BLOCK A	5 CONVENTION CENTRE
2 BLOCK B	6 INTERACTIVE CENTRE OF ELECTRICITY
3 BLOCK C	7 PELITAWANIS
4 BLOCK D	8 CHILDCARE

Contract Sum : RM781.3 mil
(13.6 acres)

Client : Tenaga Nasional Berhad

Completion Year : 1Q2021 (Mar 2019) + 26 months

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BUILDING – IN HOUSE (Secured Aug 2020)

BELFIELD (residential), KL

Contract Sum : RM403 million



CP2 mixed commercial, Sunway

Contract Sum : RM344 million

BUILDING – IN HOUSE (Secured Sept 2020)

Sunway Velocity 2 – Plot B

Contract Sum : RM253 million



Proposed Construction of:-

- Phase 2A – 2-Storey Retail, 8-Storey Podium Carpark & 1-Storey Basement Carpark
- Phase 2B & 2C – 2 Blocks of 39-Storey Serviced Apartments

Sunway Medical 4 - Extension

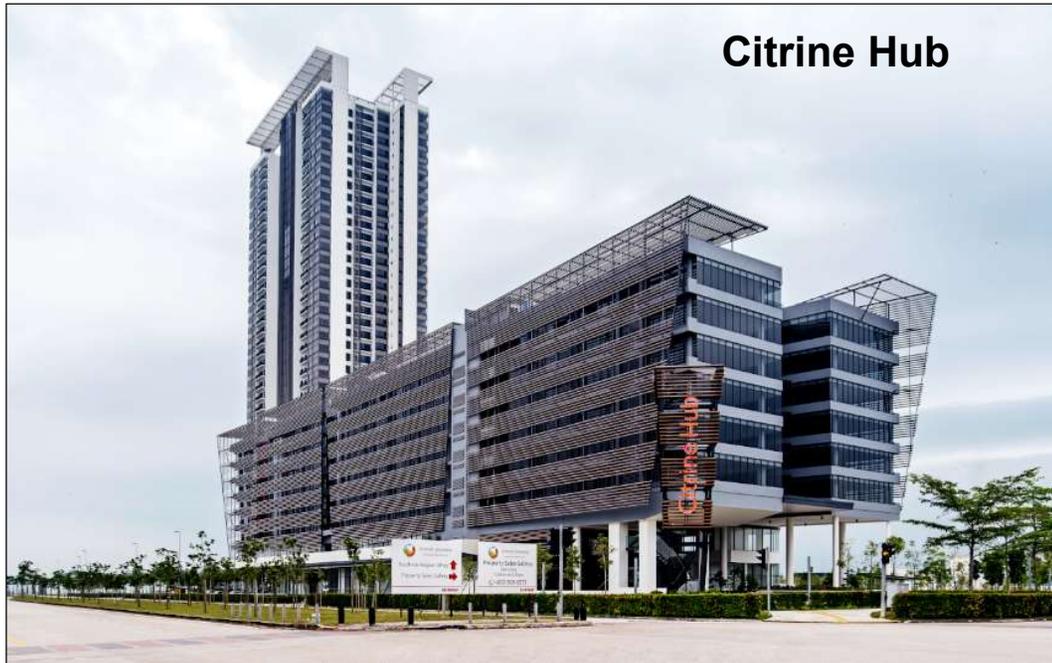
VO: RM162 million



Main Building Works:-

- **Tower D** – Hospital Suites 180 new Outpatient Specialist Consultation Suites across the 3 blocks and 474 units of Senior Living residences
- **Tower E** – Hospital Block - dedicated Women's Tower
- **Tower F** – Hospital Block - dedicated Children's Tower

BUILDING – SOUTHERN REGION



Citrine Hub



Afiniti Medini



Legoland Malaysia Theme Park



Legoland Water Park

BUILDING – NORTHERN REGION



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.

Opening 4Q 2021

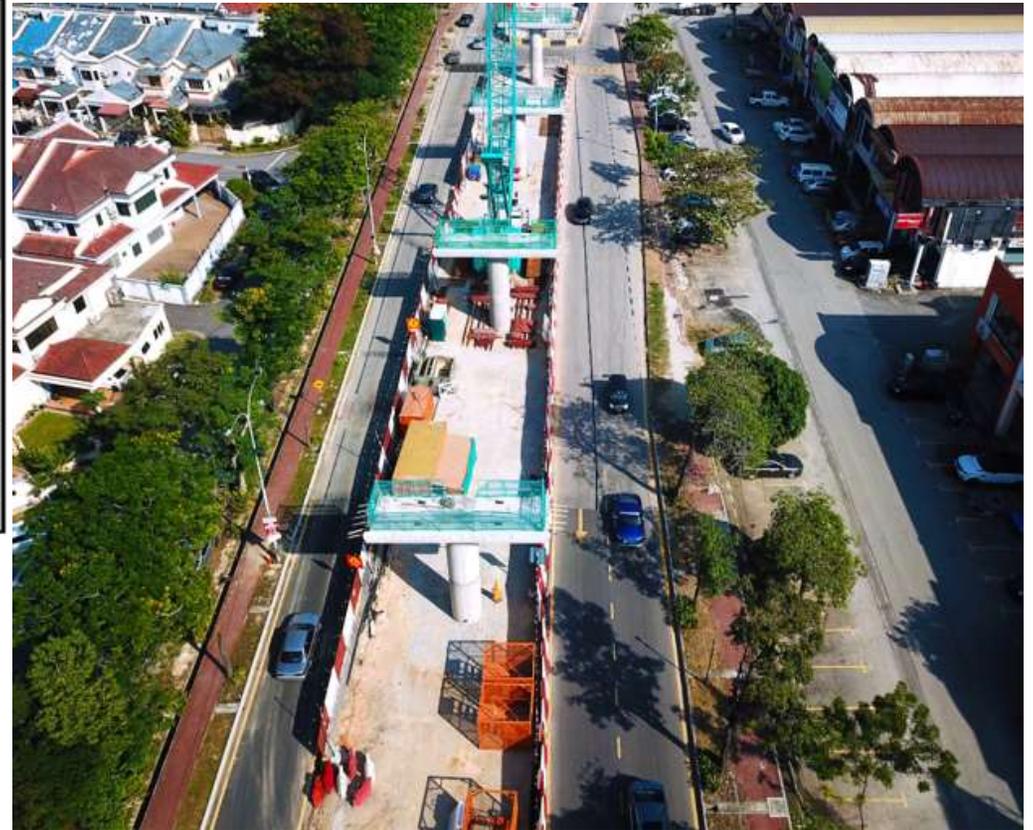
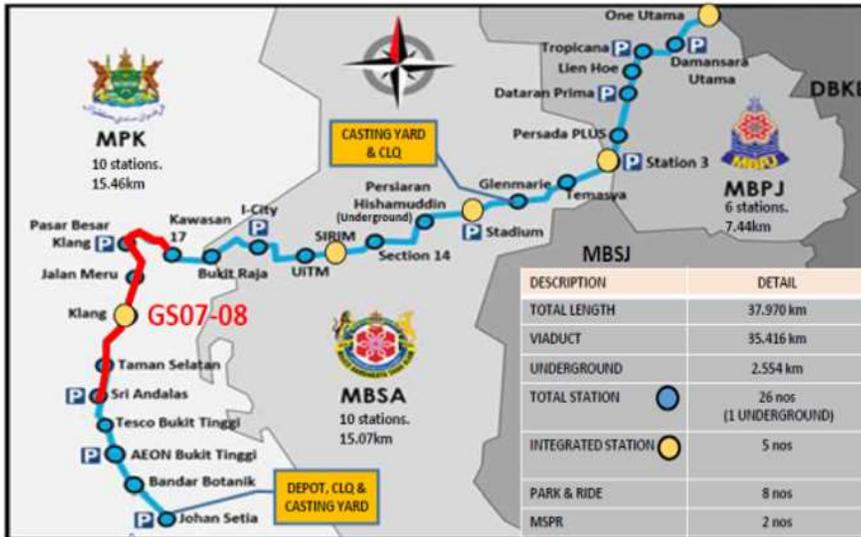
SUNWAY MEDICAL, SEBERANG JAYA

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

Opening 4Q 2021



CIVIL / INFRASTRUCTURE



LRT 3 – GS0708 (KAWASAN 17 TO SRI ANDALAS)

Job Scope :

- 9.2km of viaduct works
- 6 stations works
- 1 bridge over Klang River (Design & Build)
- 2 Park & Ride at Pasar Besar Klang and Sri Andalas
- 1 Centralised Labour Quarter at Johan Setia

CIVIL / INFRASTRUCTURE

MRT V201 (SUNGAI BULOH TO PERSIARAN DAGANG)

Duration : 60 months (completion May 2021)

Job Scope : Construction and Completion of Viaduct Guideway from Sungai Buloh to Persiaran Dagang and Advance Work Construction of Viaduct Guideway between Kampung Muhibbah to Serdang Raya . Works involves **3 nos** station, **142 nos** piers, **180 km** telco fibre optic relocation, **21.5 km** underground HT cables relocation, **5.4 km** water pipe relocation and **701 nos** bored piles



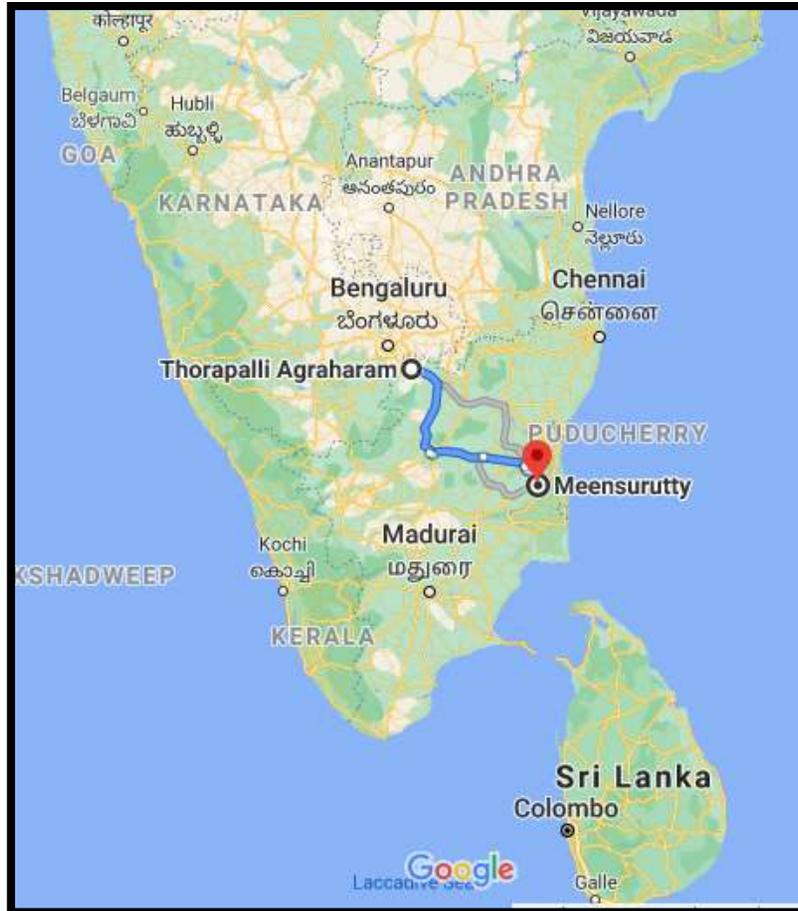
CIVIL / INFRASTRUCTURE - INDIA

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

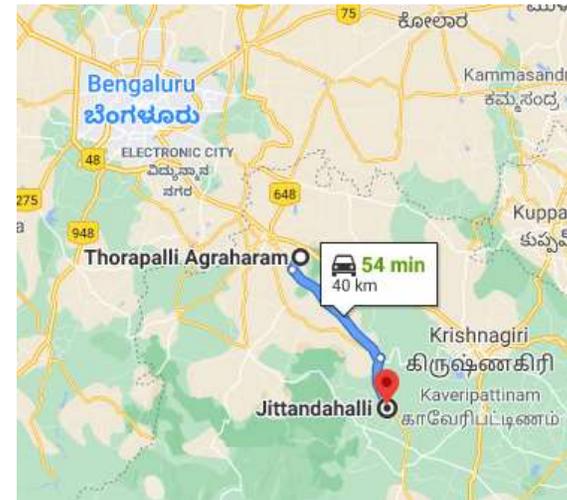
	Thoropalli Jittandahalli	Meensurutti Chidambaram
Contract Sum	864.5crores	553.8 crores
Maintenance per year (15 years)	7.08 crores	1.5 crores
Construction years	2 years	2 years
SunCon's portion	60%	60%
Payment terms	40% during construction and 60% over 15 annuity years. NHA1 will pay us interest on 60% at RBI rate + 3%	
Length	36.75 (4 lane)	31.53km (2 lane)
State	Tamilnadu	Tamilnadu

CIVIL / INFRASTRUCTURE - INDIA

Location : 1st HAM project (Throrapalli) and 2nd HAM project (Meensurutty) - 6 hours drive between 2 sites



1st HAM project (Throrapalli – Jittandali)



2nd HAM project (Meensurutty - Chidambaram)



GEOTECHNICAL



Pile Foundation Works



Earth Retaining System



Ground Treatment



Offshore Piling

MECHANICAL, ELECTRICAL AND PLUMBING



Pinewood Movie Studio



Central Utilities Facilities



KLIA Chilled Water

RENEWABLE ENERGY



Gas District Cooling Plant - Putrajaya



Roof Top Solar – Sunway Iskandar

PRECAST CONCRETE PRODUCTS



Parapet Wall



Façade Window



Water Tank



Lift Core Wall



Column



Staircase



Hollow Core Slab



Prefabricated Toilet

PRECAST CONCRETE PRODUCTS

Plant	Area (sq. ft.)	Max Annual Capacity (m ³)	Utilisation rate 2020(F) (%)	Utilisation rate 2019 (%)	Utilisation rate 2018 (%)	No. of lines
Senai Plant (own)	Built up area : 262,231 Land area : 475,409	54,000	42.5%	34%	58%	6+3 (half) lines
Iskandar Plant (rented)	Land area : 9 hectares	72,000	55.8%	56%	39%	9 lines

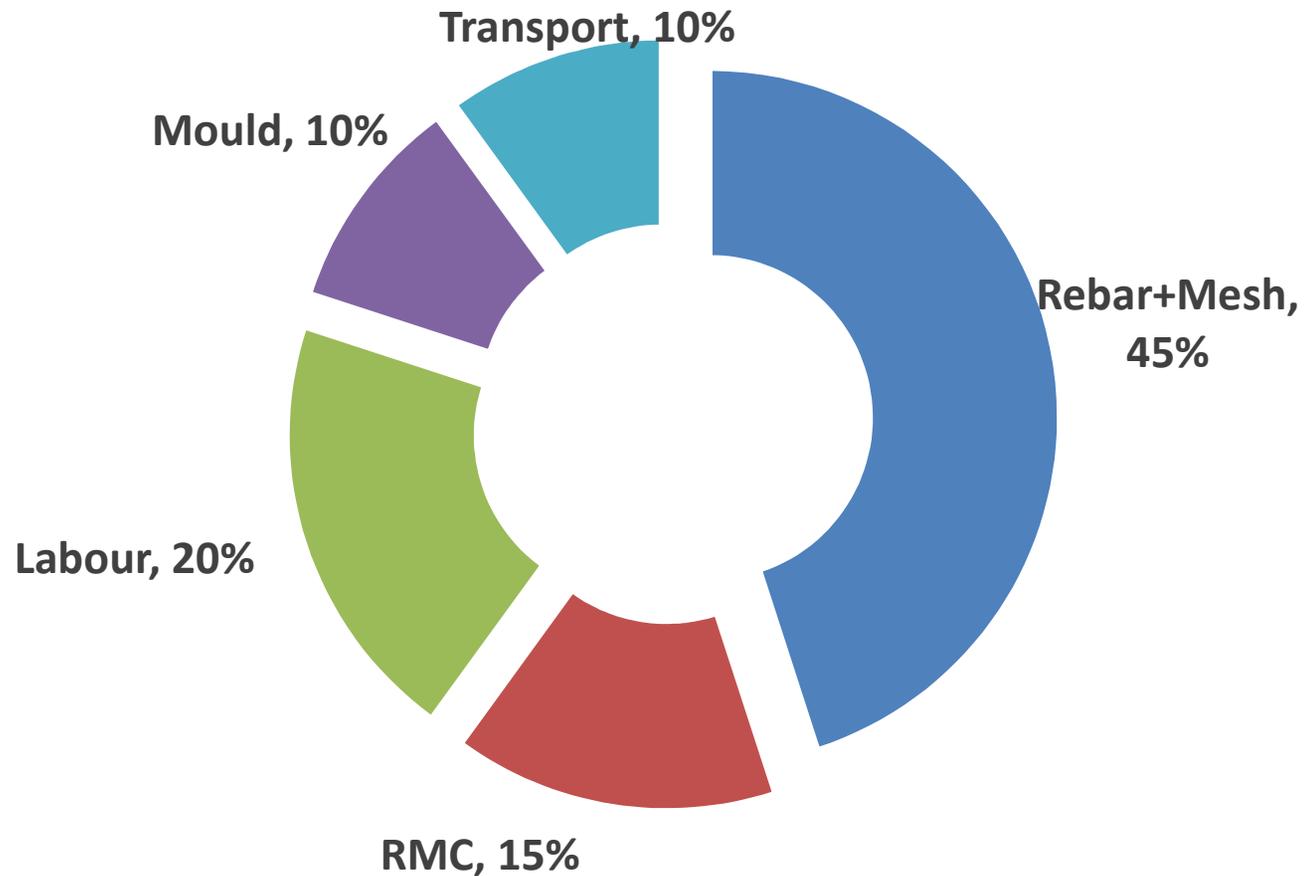


HDB BTO Launch → 2020(F) = 16,727(2019 : 14,591; 2018 : 15,811 2017 : 17,593; 2016 17,891; 2015 : 15,100 ; 2014 : 22,455)

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 **(Tender won on 27 July 2018 & tentative opening of plant : 3Q 2022)**

PRECAST CONCRETE PRODUCTS

Cost component of Precast



PRECAST – 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

PRECAST – OPPORTUNITIES IN SINGAPORE

THE BUSINESS TIMES

REAL ESTATE

ALL NEWS WEEKLY BREAKING TODAY'S PAPER LIFESTYLE OPINION SME WEALTH FOCUS MARKS HUB

HOME REAL ESTATE

Prefabricated bathrooms, units for all Singapore new flats by 2019



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CLAIRE HUANG ✉ huangly@sph.com.sg



This would drive HDB's construction productivity on a larger scale, setting it on track to achieve a productivity improvement of 25 per cent by 2020, compared with 2010. PHOTO:HDB

THE Housing Development Board (HDB) says it will improve construction productivity through a greater use of prefabricated units that are assembled off-site but that can be installed on-site.

This would drive HDB's construction productivity on a larger scale, setting it on track to achieve a productivity improvement of 25 per cent by 2020, compared with 2010.

One of the initiatives is to expand the use of prefabricated bathroom units (PBU).

The HDB on Wednesday said that it would implement PBUs in 60 per cent of the flats launched in 2017, before extending this to all projects launched by 2019.

HDB construction productivity to improve 25 per cent by 2020

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



Linette Heng

Reporter

© Sep 07, 2017 06:00 am

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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.



Prefabricated bathrooms units are assembled with finishes in a factory before it is transported to a construction site for installation. PHOTO: LIANHE ZAOBAO

PRECAST – OPPORTUNITIES IN SINGAPORE

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.

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POTENTIAL KEY RISKS

Potential Risk	Potential Impact	Controls to Mitigate Risk
<p>Fluctuation of material price – steel rebar</p> <p>-Bulk Cement</p>	<p><u>Steel bar price (Y16-Y20)</u> Dec 2018 : RM2,215/MT Dec 2019 : RM1,947 Mar 20: RM2,045; Jun 2020 : RM2,011 Sept 20 : RM2,123; Dec 20 : RM2,520</p> <p><u>Bulk cement price</u> Dec 2018 : RM206/m3 Dec 2019 : RM222 Mar'20 : RM239; Jun'20 : RM233 Sept'20 : RM 221; Dec'20 : RM214</p>	<ul style="list-style-type: none"> 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 special lightings, furnishing & façade components	<ul style="list-style-type: none"> FOREX hedging in advance once design and bill of quantity is confirmed. FOREX rates are fixed upfront at the contractual level.

