

YOUR SOLUTIONS PROVIDER

Prefab Technology Pte Ltd has been at the forefront of Singapore's precast components development, which has improved the ease of construction and the quality of building components.

Our constant strive towards quality excellence and innovation since 1990 has put us among market leaders in the precast industry. Prefab Technology Pte Ltd possesses the design capability of converting a traditional cast in-situ (Architectural & Structural) design to a precast design. The commitment to producing high quality products, providing prompt delivery and pro-active customer service are the utmost importance to our company.

In order to better serve our customers, Prefab Technology Pte Ltd continuously endeavours to improve product quality and provide innovative solutions to meet customers' expectations and ever changing market environment.





INTEGRITY

Not only ensuring product integrity but also demonstrating with integrity, openness and fairness when dealing with customers, partners, authorities and all business relationships



QUALITY & SAFETY

Our constant strive towards quality, excellence and innovation has put us amongst the best in our field. But it is our unique philosophy that makes us stand out clearly from the rest. It is our goal to always do more, do better, and to bring value-added service to our clients.



VALUE ADDED

More and more architects, engineers, contractors and developers are embracing the flexibility, durability and safer building process afforded by the use of precast components.



TIMELY DELIVERY

The progressive management of our products, the high standard of our services and our commitment to our clients enables us to excel in every project we undertake. This allows our clients to achieve their business goals in good time.



BIM

By adopting BIM technology that involves the procurement and delivery of building items, it enables more intelligent decisions to be made, better construction methodology, safer working arrangement, greater energy efficiency leading to carbon reduction and an increased speed of delivery.



PRECAST SYSTEMS



STAIRCASE WALL

It is a vertical structural member and used as a staircase wall.



WATER TANK

The Precast Water Tank is for domestic and fire-fighting purposes. We also provide precast ring water tank depending on the configurations of water tank components. It is more durable than steel and fibre-reinforced plastic water tanks.



PRECAST WALL

Precast wall is strongly recommended specially for external wall construction as low cement ratio are commonly used which helps in terms of water tightness as well as minimal joints used during construction

PRECAST STAIRCASE

The Precast Staircase offers consistent step dimensions and a good surface finish.



DOOR FRAME PANEL

The Precast Door Frame Panel is a steel door frame installed with ventilation sleeves and reinforcement bars for joining wall panels.



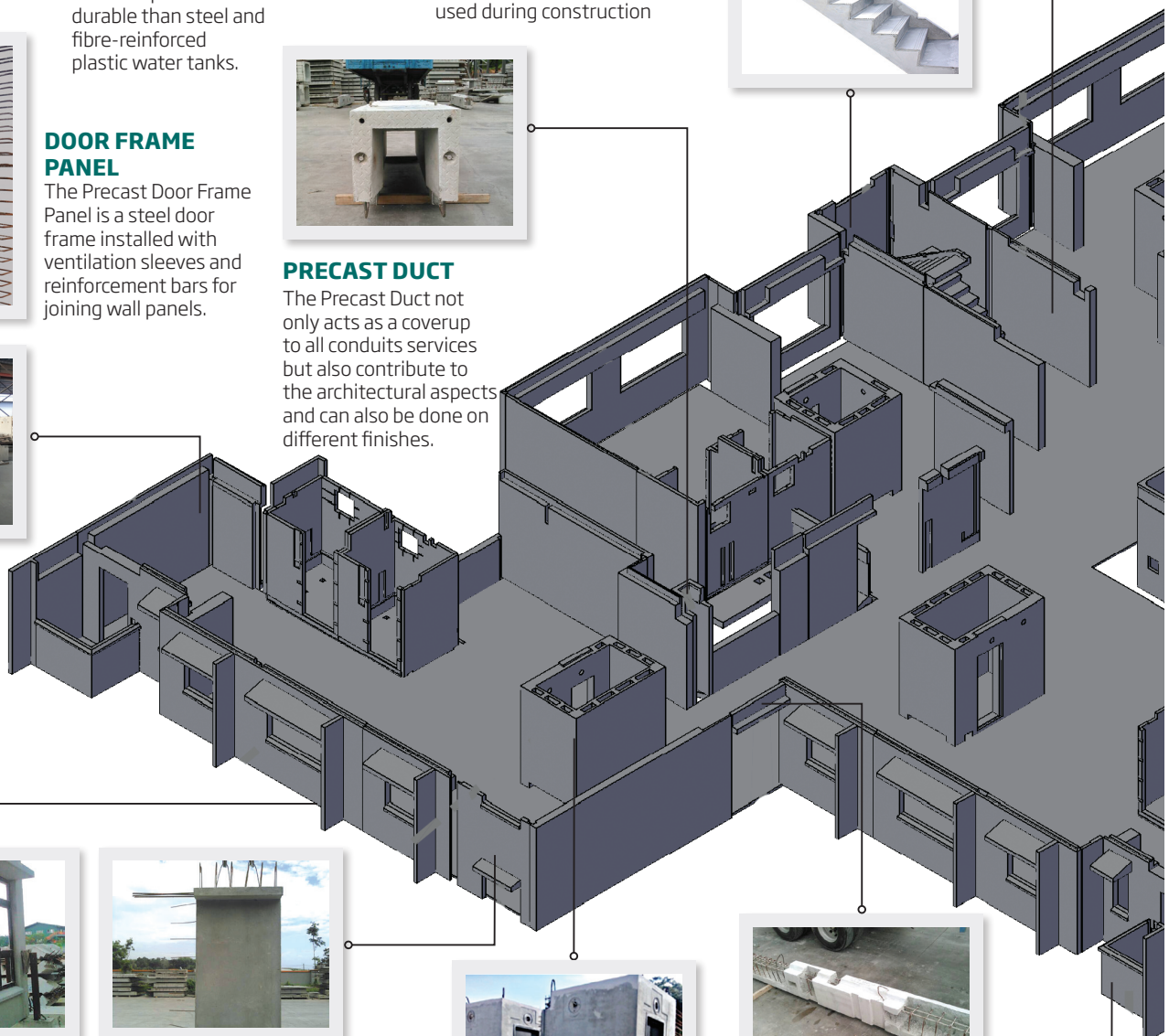
PRECAST DUCT

The Precast Duct not only acts as a cover up to all conduits services but also contribute to the architectural aspects and can also be done on different finishes.



PRECAST GABLE END WALL

The Gable End Wall is cast with insulation. It is sometimes integrated with a column to form a plane.



PRECAST FACADE

The Precast Facade is designed as a non-critical panel & it allows architects much greater freedom in exercising their creativity, where certain shapes & expressions are difficult or no possibility to construct without precasting.



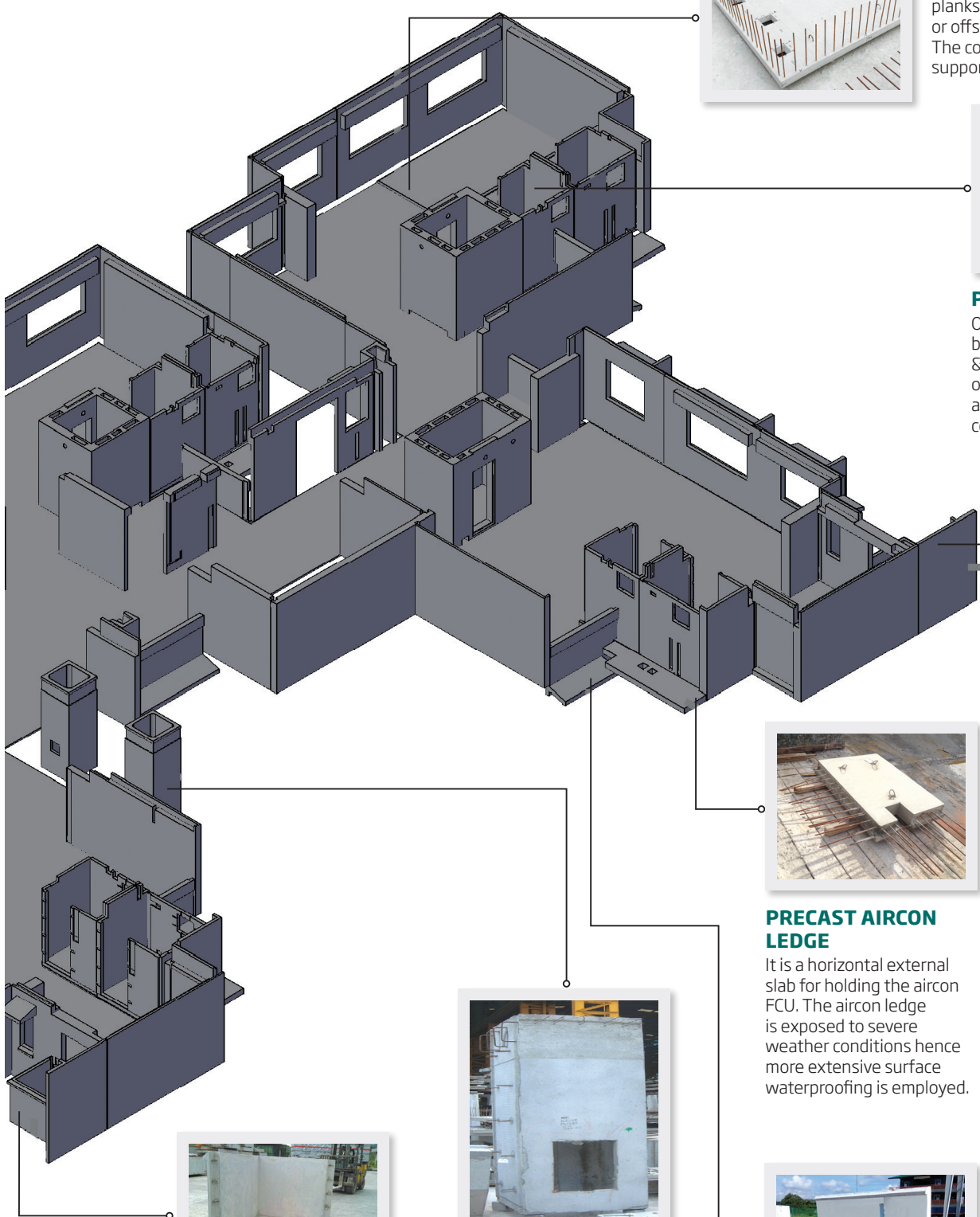
PRECAST HOUSEHOLD SHELTER

The Household Shelter in a dwelling unit is a volumetric bomb shelter for civil defence requirement and is typically the store-cum-pantry with its walls, floor and ceiling strengthened with increased thickness.



PRECAST BEAM

The Precast Beam is designed & cast according to shapes that will contribute to architectural works & even can be designed to integrate with other components adjacent to it like wall partitions & facades.



PRECAST PLANK
A floor/ceiling structure made of reinforced concrete floor planks assembled on the ground or offsite, then put into place. The concrete floor planks are supported by a bearing wall.



PRECAST PBU
Our versatile P-cube bathrooms are innovative & developed with an eye on the requirements of architects, developers & contractors



PRECAST COLUMN
The Precast Column is a vertical structural member which can be 1 or 2 tiers. Columns use pre-fabricated cages, while walls, precast household shelters and slabs utilize mesh for reinforcement.



PRECAST AIRCON LEDGE
It is a horizontal external slab for holding the aircon FCU. The aircon ledge is exposed to severe weather conditions hence more extensive surface waterproofing is employed.



PRECAST REFUSE CHUTE
The Precast Chamber is part of vertical precast components for disposal of waste. It is anchored to adjacent beams, walls and slabs at each floor by its loop bars.



PRECAST BALCONY
Precast balconies are designed and manufactured to any custom shape and design. Often with a sloped top surface, step down and a drip edge on the underside for proper drainage and water run-off step.



PRECAST HALF FACADE
The Parapet is a half-height wall, usually enclosing a roof, or a protective barrier at the edge of a terrace or on the side of a bridge. Some parapet walls also have handrails installed.

PRECAST ARCHITECTURAL PRODUCTS



PRECAST ARCHITECTURAL WALL

We are able to produce products in virtually any color and a wide variety of finishes to achieve the desired appearance for buildings and site applications. The Heritage Wall (Each piece has its own individual unique design) is one of our highlighted products, which consists of heritage storyboards to showcase and evoke memories of Singapore's past at our project Skyville @ Dawson.



PRECAST PIGMENTED SLAB

Pigments are a selection of very inert materials which are insoluble and stable in the alkaline solution of concrete. We can customize the slab in different colors according to architects' selections.

Colours for Concrete in Grey Cement

					
BRIGHT YELLOW	MUSTARD	DUST LIME	BEIGE	MUSHROOM	OLIVE
					
MARIGOLD	PEACH	BUTTERNUT	SANDSTONE	POMPEII	EARLY GREY



EXTERNAL FAÇADE WITH FORMLINER PATTERN

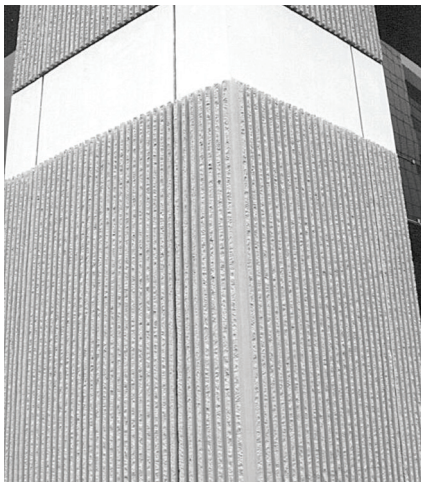
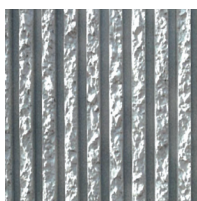
For attractive surface modulation and shaping of exposed concrete, we offer our clients suitable solutions for their needs.



PRECAST CONCRETE TEXTURE SURFACES

EXTERNAL FAÇADE

The perforated façade is generally an external cladding wall integrated with architectural features. The concept itself also serves to give the building a new identity and outlook. We are able to create different patterns to fulfill our clients' needs.



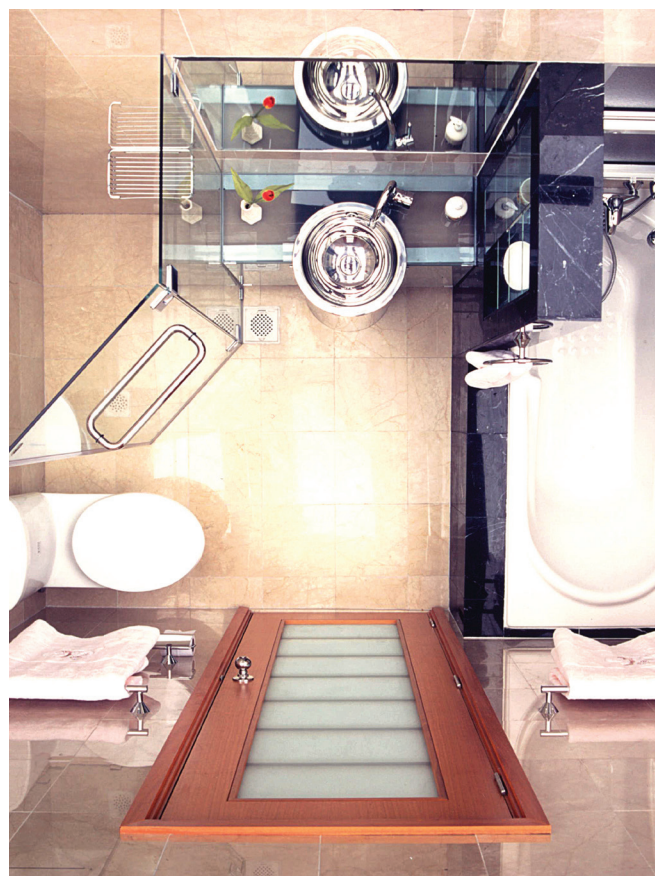
P-CUBE



PREFABRICATED BATHROOM

Prefabricated bathroom unit (PBU) refers to a bathroom unit pre-assembled off-site complete with wall and floor finishes, sanitary wares, concealed pipes, conduits, cabinets and a ceiling before installing into position. By using PBUs, there is a 40% to 60% improvement in productivity and time usage, reducing the overall cost of the project. Our versatile PBUs are truly innovative and are developed with the requirements of architects, developers and contractors in mind.





BUILDING SYSTEM

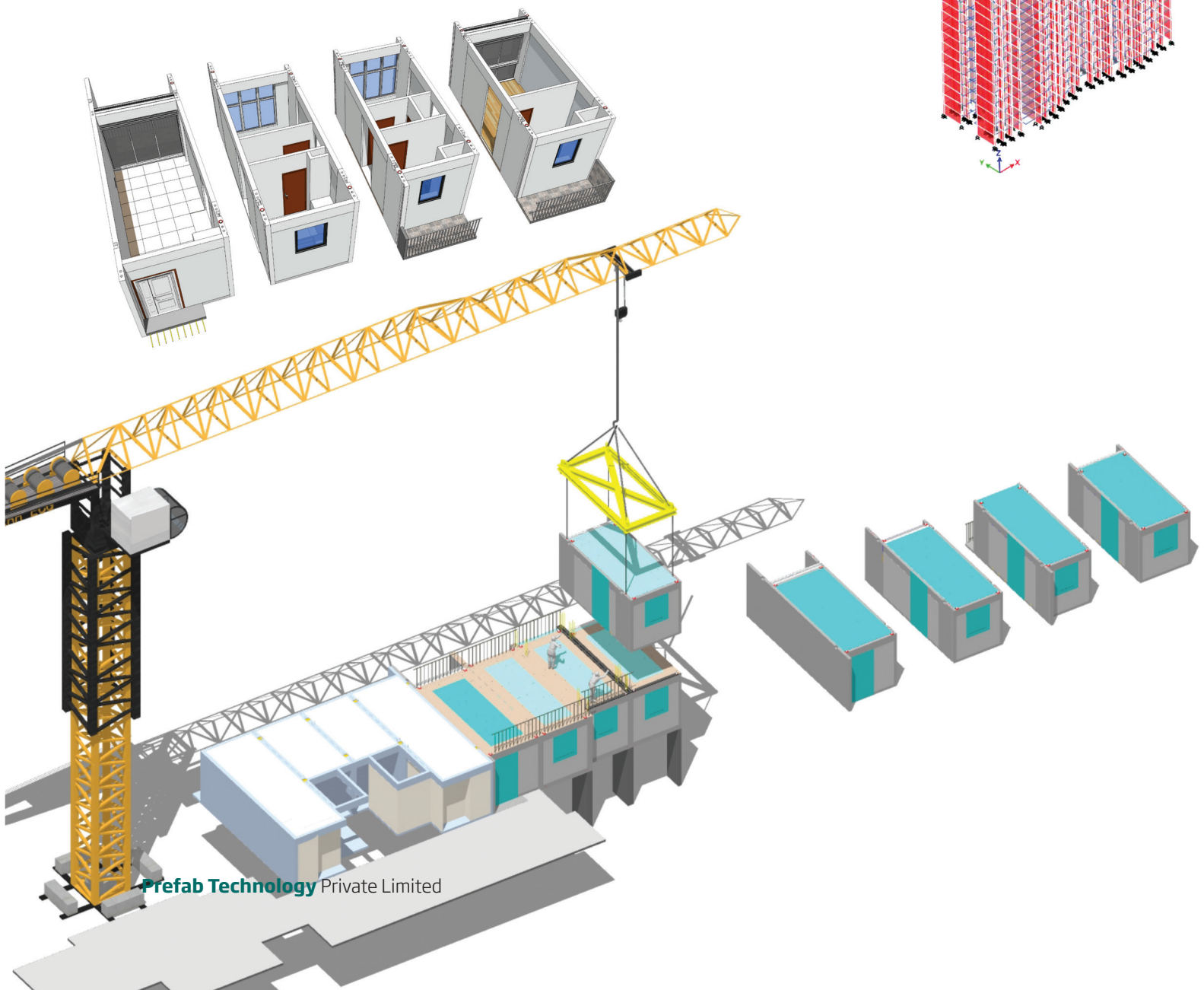
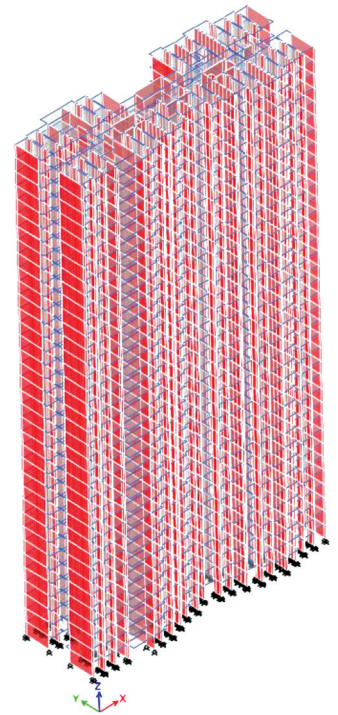
BUILDING SYSTEM

Prefabricated, Pre-finished, Volumetric Construction (PPVC) is a modular construction method where modules are produced in the factory, complete with finishes for walls, floors and ceilings.

P³ Building System is suitable for high rise residential condominiums and apartments, hotels, hostels and commercial buildings.

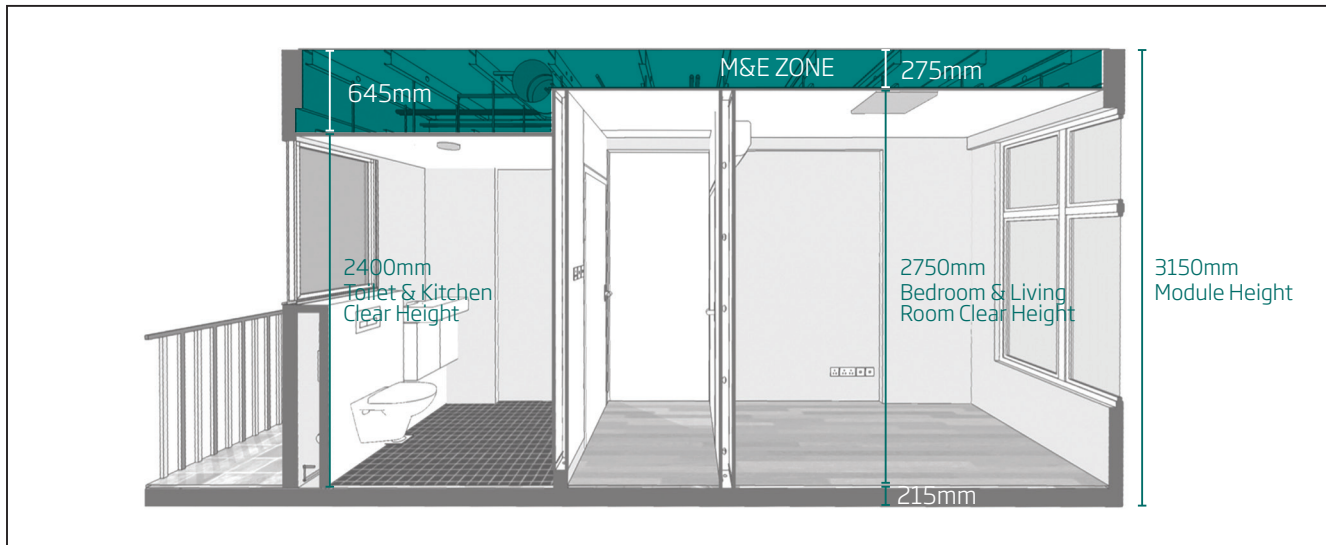
KEY BENEFITS OF BUILDING SYSTEM

- **P³ Building System** is designed up to 40 floors, conforming to Singapore and Eurocode Standards
- **Full concrete system** which provides better watertightness, fire resistant and is corrosion free
- **Speed** of construction process on site is greatly shortened
- **High Quality** products are manufactured in accordance to accredited methods, in a factory controlled environment
- **Environmental Friendly** method as less noise and pollution generated on site.

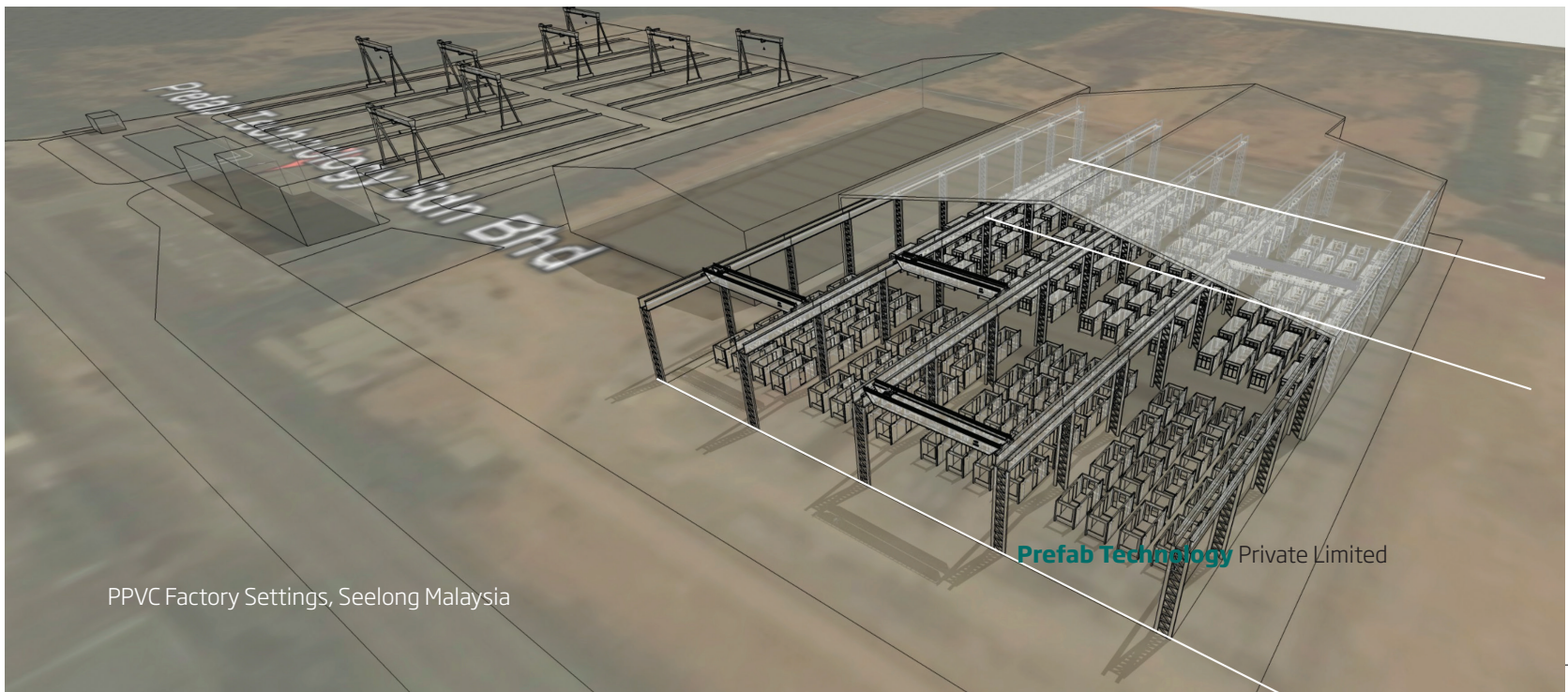
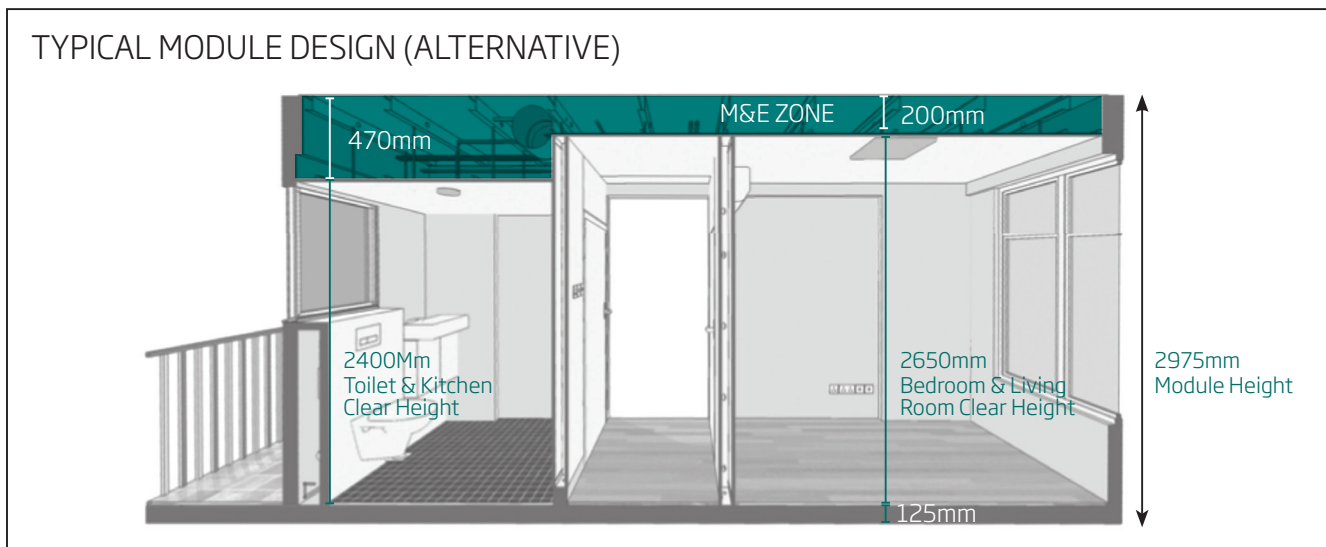


P3 BUILDING SYSTEM OVERVIEW

TYPICAL MODULE DESIGN



TYPICAL MODULE DESIGN (ALTERNATIVE)



FEATURED PROJECT REFERENCES

Skyville @ Dawson

Located at Dawson Road & Margaret Drive

2016 Housing and Development Board (HDB) Design Awards & 16th Singapore Institute of Architects (SIA) Architectural Design Awards 2016

Components:

3D Façade, Column, Wall, PS & NPS Plank, Roof Fascia, Infill wall, Aircon Ledge, Household shelter wall, Staircase flight, Parapet, water tank, Beam, Heritage wall, Colored concrete, roof trellis



Telok Blangah Towers

Located at Telok Blangah Street 31

40 storeys

Components:

3D Façade, Column, Hollow Core Column & Wall, PS & NPS Plank, Roof Fascia, Infill wall, Aircon Ledge, Household shelter wall, Staircase flight, Beam with Stump, Staircase wall Parapet, water tanks, Beam & Column Cladding.



Architectural Wall



Kampong Admiralty

Located at Woodlands Drive 71

This all-in-one “modern kampong” includes integrated healthcare, eldercare, childcare & commercial units & also houses the first automated bicycle parking system

Components:

3D Façade, Column, Wall, PS & NPS Plank, Aircon Ledge, Beam, Beam Integrated with Façade, Refuse chute, Column, Plint, Bench.

Precast Facade



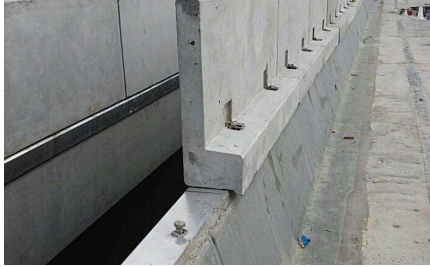
Construction of Gul Circle MRT (EW 30) Station

Part of Tuas West MRT Extension

Components:

Parapet Panel, Planter Wall, Rain Screen Fin, PS Plank

Precast Cable Trough & Precast Parapet Wall



Pasir Ris Drive 4

- Comprises of 4 residential blocks totalling 436 dwelling units.
- Fully external precast facade with clinker tiles finish.
- Won the Construction Industry Development Board (CIDB) Best Building design Award in 1994.



Matilda Edge

Located at Sumang Lane & Punggol Way of total 1,834 units

Components:

Façade, Column, Wall, PS & NPS Plank, Roof Fascia, Infill wall, Aircon Ledge, Household shelter wall, Staircase flight, Door frame, Parapet, Water tank, Beam, Gable End Wall, Duct

External Façade with Formliner Pattern



Watertown @ Punggol

Condominium located above Waterway Point shopping mall at Punggol Central. It is Punggol's first integrated waterfront development with the Punggol Waterway located right next to the development

Components:

Door Frame, Refuse chute, Bathroom Drop, Roof Parapet, PS Plank, Trellis, Wall with Canopy





PRESTIGIOUS AWARDS

We were awarded the ISO 9001: 2015 for our quality management system and ability to consistently meet and surpass, not only clients' needs, but also applicable statutory and regulatory requirements. The OHSAS 18001 accolade serves as a stamp of approval towards our efforts in controlling occupational health and safety risks. Our other awards include the BizSAFE Star and BCA Graded.



CONTINUOUS IMPROVEMENTS

We commit ourselves to continuous improvement in our quality and cost-effectiveness through employee re-training and effective utilization of resources. This gives us the insight and expertise to resolve installation and maintenance problems effectively and promptly.

What has stood out through the years despite a rapidly changing environment is the resilience to adapt and grow due to our unwavering commitment to achieve excellence in our products and services, as well as efficiency in our operations.

