

The background of the slide is a photograph of a modern, multi-story residential building with a grey facade and large windows. A tall, modern street lamp is visible on the left side. The image is slightly faded to allow the text to stand out.

COMPANY PROFILE

BEC Modular Pte. Ltd.

INTRODUCTION

BEC Modular Pte. Ltd. (BECM) is a collaboration between Balanced Engineering & Construction Pte Ltd (BEC), a market leader in concrete technology and Montenero, a US-based property developer.

BECM brings leading pre-cast technology and expertise from the US market to South East Asia markets. Our construction projects are faster, greener, leaner and delivered through collaboration between owner, architect, contractor and subcontractors.

BEC has been in Asia since 2000, with engineering and construction experience across many South East Asian countries.

Montenero brings the experience of tried and tested US precasting technology within commercial, institutional multi-family and single-family residential construction.



WHY MODULAR

Our Modular units are:

High Quality: very low construction tolerance through precision forming technology and high structural strength.

Safe: Earthquake, Typhoon/Hurricane resistant, Fire resistant and weather resistant formed with monolithic roof and wall interface.

Efficient: stackable, pre-finished with inserts, openings, conduits, finishes, utility connections (water, waste, power, gas, air-con) and unit connection detailing. No plastering is required.

Flexible: Mould Machine(s) purpose built to suit design, located on-site or off-site, can be container-sized for remote forming and transported to site, or larger (dependent on-site constraints and crane lifting limits).

Modular construction enables:

- Faster construction with less skilled labour
- Better collaboration between owner, architect, contractor and subcontractors
- Improves cash flows/occupancy velocity
- Safety (fewer workers exposed to traditional construction safety hazards)
- Production approach rather than traditional construction
- Less site waste (green), less construction waste (lean), and strength/rigidity
- Increased efficiency, productivity and improved quality control
- Monolithic roof and wall interface with no construction joint

Technology suitable for volume low and high-rise housing, schools and commercial buildings.

WHAT WE OFFER

Our field of specialization ensures all our clients receive the very best advice tailored to their needs. We strive to be the market leader in our field by maintaining the highest standards in customer service and quality products, providing cost effective solutions and delivering all projects safely, on time, every time.

We offer:

Design Consultation

Working with architects and designers to modularise design for maximum productivity and economy.

Bespoke Precast Mould Design and Fabrication

Hydraulically-activated steel moulds are custom-manufactured and tested at our workshop to suit the design layouts. Unique monolithic roof and walls construction provides structural stability.

Design and Build

Full design and build capability with our in-house engineering and site teams.

Machine Leasing

Mould machines demountable for easy transfer to precasting yard. BEC technical support supervises assembly and operation to ensure maximum productivity.

SAFETY AND ENVIRONMENTAL

BEC SAFETY APPROACH

Our Philosophy

Health, Safety and the Environment is at the forefront of everything we do.

Our Value

BEC will not compromise on safety and environmental protection and will act responsibly in all that we do.



BEC received Recognition Certificate for Health & Safety initiatives, Iligan Project, Philippines



Best Safety Worker Award, Hyflux Waste to Energy Power Plant Project, Singapore



Best Safety Worker Award, Therna Visayas Energy Project, Philippines



EHSS Man of The Day Award, YANPET Turnaround, Saudi Arabia

PROJECT REFERENCE

SAFE LEARNING

Providing high quality learning environments that can also function as hurricane refuge for vulnerable populations in the event of a hurricane threat.

Example from the US:

Twenty four modules (1,120 sf each) were formed at the job site and set monolithic slabs. Each module measured 24' wide by 48' long and featured a barrel roof and parapets. Modules were configured on a slab and bridged by a monolithic roof section forming a hallway.

Lawtey, FL

Date: 2007

Type: K-8 School

Development: Lawtey School

Client: Bradford County School Board

Size: 22,000 SF

No. of Structures: 23

Unit Size: 24'x48'=1,152 SF



PROJECT REFERENCE *(Continued*)

SAFE LIVING

High end multi-family and single-family residential developments that are designed for luxurious living in good times and safety in storms.

Our buildings keep residents safe in hurricanes, fires, floods, and tornadoes.

Example from the US:

Engineered to withstand 220mph winds, with kitchens and bathrooms built off-site, shipped to the job site and then set on the foundation. Concrete structures then placed on top (note: the interior build out is indistinguishable from a traditional build).

In the recent hurricane:

“From Grassy key to Cudjoe key really got slammed. So much devastation. We got 120-130 winds with gusts to 150-160 15 huge trees in our yard pulled up out of the ground. The highway is littered with huge piles of people's lives. Our band directors house was in Grassy key and it was washed across the highway from the beach. So many houses flooded 2-12 ft surge on Oceanside and roofs blown off or worse. It will take about a year or two to get back to normal. The homes you built look amazing. Great job on those. We need more building like that in FLA.” Jeannie Cole Gracy



PROJECT REFERENCE *(Continued)*

SAFE SPACES

Creating safe spaces within conventionally built housing that can provide a short notice protected area, particularly for families, elderly and vulnerable people who find it difficult to evacuate at speed.

Example from the US:

Building safe spaces in a high tornado risk location. These are above ground and therefore far safer than traditional shelters that are prone to flooding.

Date: 2008

Type: Single Family

Development: Model Home

Size: 2,200 SF

No. of Structures: 2, plus roof section

Unit Size: 14'x40' = 560 SF



PROJECT REFERENCE *(Continued*)

SAFE DATA

Building a safe and secure data center in a hurricane zone, providing disaster resilience for critical data, supporting a major international company.

Example from the US:

Date: 2014

Type: Single Family Safe Suite

Development: JD Estates

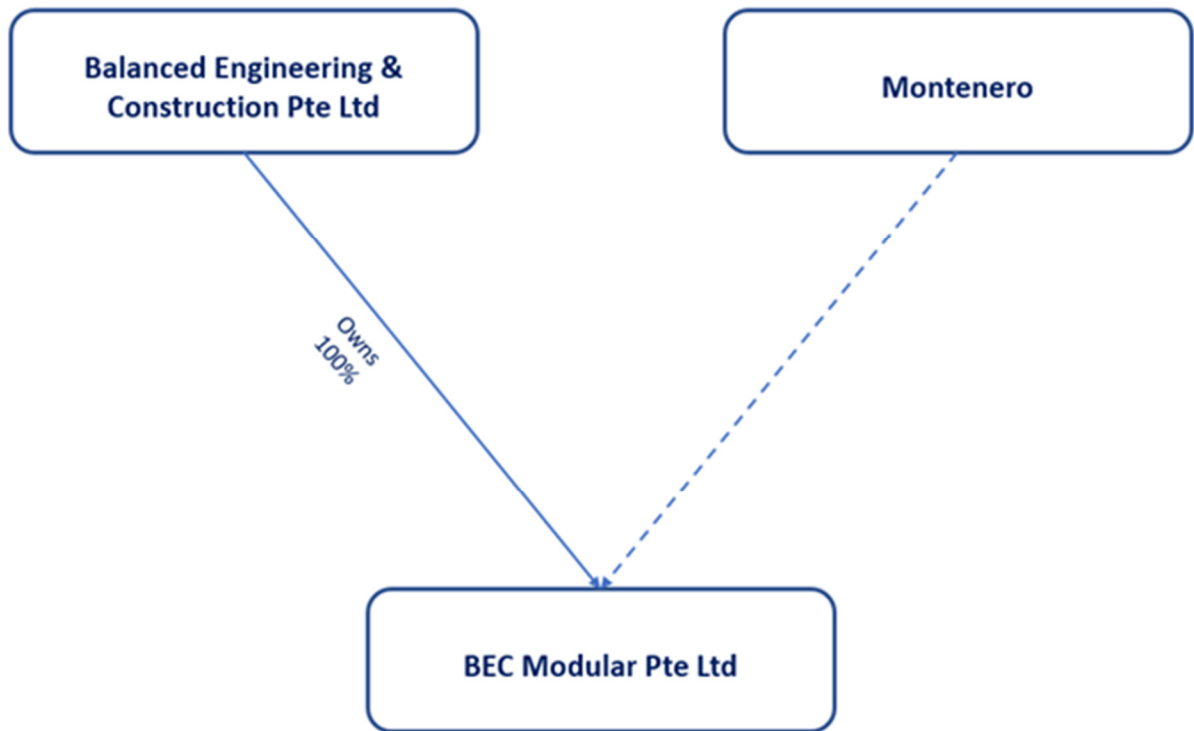
Size: 1,885 SF

No. of Structures: 1

Unit Size: 13'x40'=520 SF



COMPANY STRUCTURES



SAMPLE HOMES

