CASE STUDY
MENARA MERCU TERUNTUM PRORJECT, KUANTAN, MALAYSIA

Project Participants

Landowner

Pejabat Setiausaha Kerajaan Pahang

Implementing Agency

East Coast Economic Region Development Council (ECERDC)

Client

Destini Klasik Sdn. Bhd.

Slip-form Contractor

Balanced Engineering & Construction Pte Ltd

MENARA MERCU TERUNTUM TOWER, KUANTAN, MALAYSIA PROJECT

TOWER SHAFT SLIP-FORMING

The Menara Mercu Teruntum, Kuantan- Pahang is the 4th tallest tower in Malaysia after KL Tower, Menara Alor Setar and Menara Taming Sari Melaka. The Teruntum Tower will be the new iconic landmark in East Coast of Malaysia.

Menara Mercu Teruntum Project, Kuantan, Malaysia

The Proposed Construction and Completion of Mercu Teruntum, Promenade Extension and Associated Works at Kuantan Waterfront, Kuantan Pahang Darul Makmur for the East Coast Economic Region Development Council (ECERDC) was one of the projects in the East Coast Economic Region (ECER) Master Plan which implemented by ECERDC.

Detail of work by BEC

BEC was awarded the design and supply of the suitable slip-forming system for the tower shaft with total height 118.125m x 7.8m Outer Diameter with 900mm thick RC wall including access system (Rack and Pinion Hoist) and technical support on site.

Challenges

- Special Design and Fabrication of Slip-form System to Suit the Tower Shaft.
- Tight timeline.
- Site Coordination

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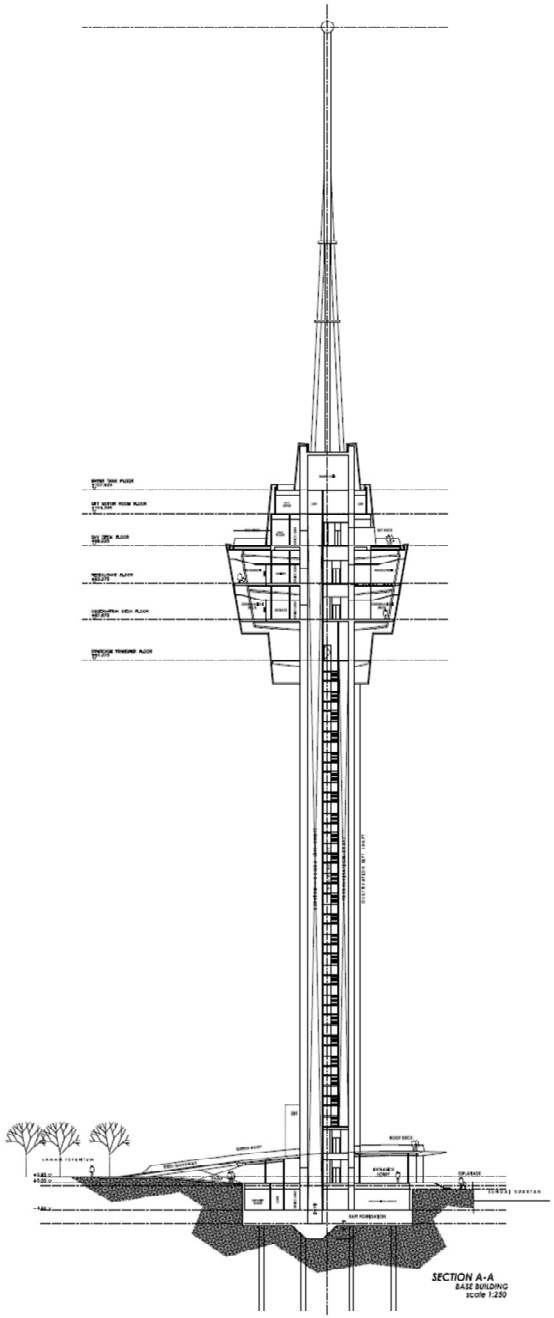

MENARA MERCU TERUNTUM PROJECT, MALAYSIA

Tower elevation

Tower Data	
Total Height of Tower	180m from ground level
Tower Shaft Height	118.125m
Outer Diameter	7.800m Dia,
Wall Thickness	900mm

Tower Shaft Construction (Slip-forming)

Overall Project

Internal of Tower Shaft

After Dismantle of Slip-form Equipment