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## Case Study

### Clients; MGKT & UGL: Testing & Commissioning Works



## MRT & UGL: Testing & Commissioning Works

The 9.5km underground is part of the MRT SBK Line connectivity. It was set up to help Malaysia's National Land Transport Authorities fulfill the country's goal of improving the public transport infrastructure.

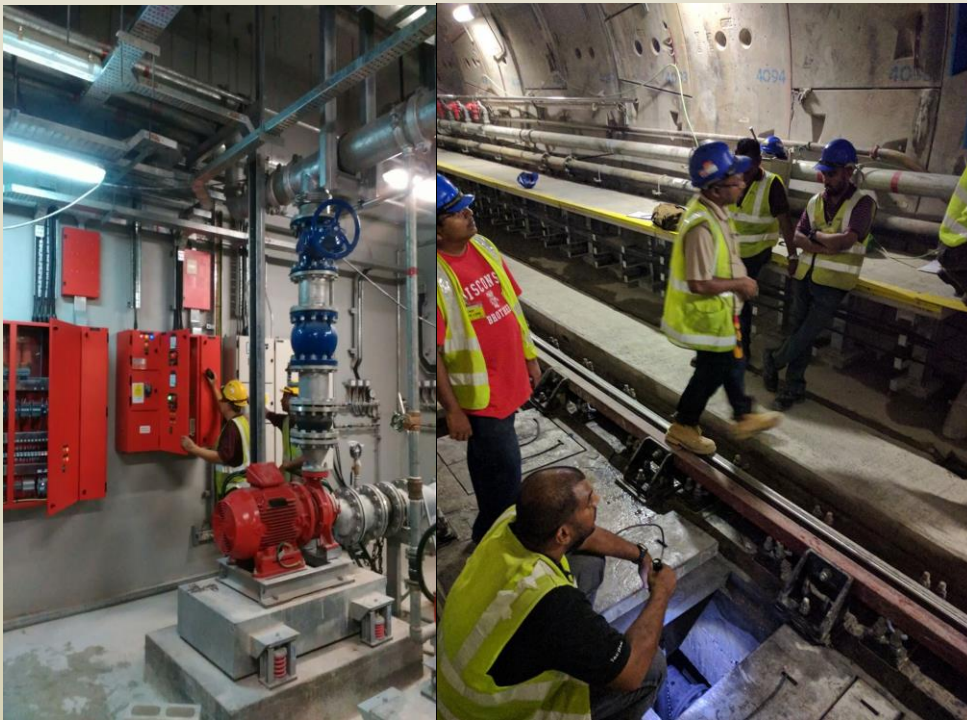
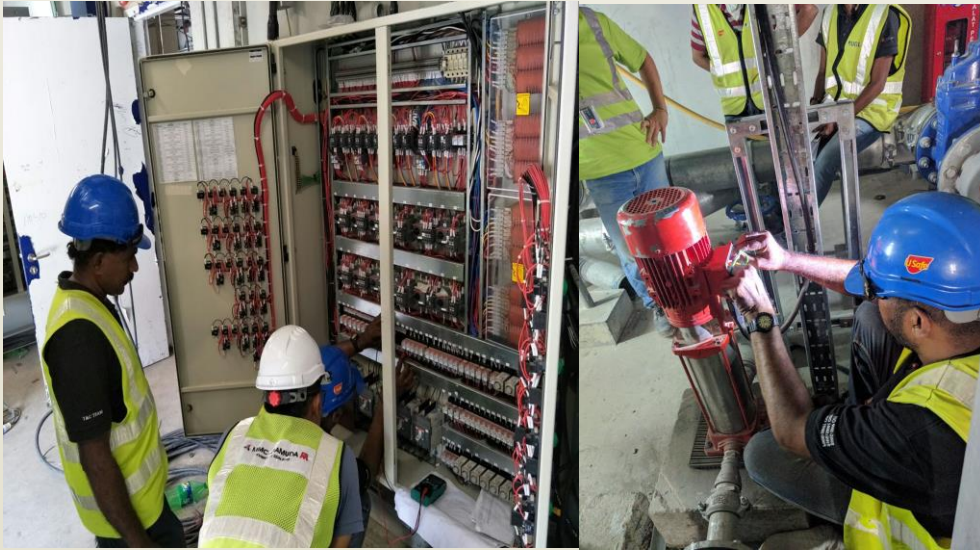
MMC-Gamuda KVMRT leads the Project and is the Main Contractor. Global Power Test (GPT) was awarded the Testing & Commissioning (T&C) work which comprises 9.5 kilometres of double bored tunnels, seven underground stations, shafts, switchboxes and a cut-and-cover ramps to the surface. GPT is to manage contracts of eight packages.

The T&C work includes civil works such as tunnels and underground stations, surface and elevated guide way and stations, emergency and ventilation shafts as well as transportation systems, related infrastructure such as new tracks, Signaling system, traction power system, Tele and Radio communication, Stations, Depots and Structures, Tracks, contact line structures, High and Low Voltage Installations, Tele, Alarm and Communication facilities, as well as technical facilities for Fire Safety and Evacuation.

## Facts

Project Name: T&C works at 9.5km Tunnel  
Location;- Semantan to Maluri, KL  
Project Owner; Prasarana  
Customer: KVMRT(MMC-Gamuda) & UGL  
Project Period: August 2016 – July 2017

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## Services

Supervision of Civil construction, High & Low Voltage Installations, Tele- Alarm & Communications facilities

Supervision and Testing of SCADA for all power supply system

Supervision & Testing of Earthing Installation, Noise & Vibration Mitigation

Supervision & Commissioning of HVAC, Piping and other mechanical systems Inspections

Test Planning & Testing Relays/Hipot/Calibration

Test Witnessing & Auditing, Integration Management