

# PORT KLANG FREE ZONE

PORT KLANG, SGR, MALAYSIA

INDUSTRIAL

## FREE TRADE

Stretching across 11 kilometres, the Port Klang Free Trade Zone is a high-tech container port that welcomes ships from all over the world. The colossal site features a container terminal, large warehouse area, and a commercial centre that holds four eight-storey office buildings, a five-storey parkade, exhibition centre, hotel, light industrial units, the Free Zone Authority Office, customs office, and check points. The Port Klang Free Trade Zone also boasts the largest cruise ship terminal in the Asia-Pacific region.

## PROJECT DETAILS

The Reliable Controls® MACH-System installed at the Port Klang Free Zone covers four blocks of eight-storey office buildings, namely buildings one to four, and a five-storey parkade. RC-Studio® 2.0 is utilized for each block to interface with a system consisting of some 500 controllers. The mechanical and electrical services interfacing with the Reliable Controls® MACH-System include mechanical ventilation (air-cooled chillers, CHW pumps, power monitoring, more than 1000 fan coil units, ventilation fans), cold water services (cold water pumps, cold water tank level monitoring) as well as regulating the lighting controls and monitoring the status of the transformers and standby generators of the buildings.

The MODBUS-Link™ portals interface with some 20 digital power meters for the HT incoming, LV main switchboard, essential main switchboard, AC main switchboard, and standby generators of the buildings.

To learn more about projects using Reliable Controls®, visit [www.reliablecontrols.com/projects/overview](http://www.reliablecontrols.com/projects/overview).



### PROJECT TYPE:

**New Construction**

### INSTALLATION TYPE:

**Integrated Mechanical & Electrical**

### TOTAL AREA:

**123,000 m<sup>2</sup> (1,324,000 ft<sup>2</sup>)**

### EQUIPMENT INSTALLED:

**3 MACH2™**

**4 MODBUS-Link™**

**4 MACH2™ Expansion Card**

**69 MACH-Global™**

**478 MACH-Global™ I/O Expansion Card**

### NETWORK:

**Ethernet, RS-485**

### INTEGRATION:

**Modbus RTU Digital Power Meters**

### TOTAL SYSTEM POINTS:

**10,000 points**

### CONSULTANT:

**Perunding Kerjaya**

### RELIABLE CONTROLS® DEALER:

**Techno Controls**

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