

KUALA LUMPUR LCC TERMINAL

KUALA LUMPUR, F.T., MALAYSIA

TRANSPORTATION

HUB OF CONTROL

To accommodate the unparalleled growth in low-cost air travel, Kuala Lumpur International Airport constructed a dedicated Low Cost Carrier Terminal (LCCT) which also serves as the hub for Malaysia's first 'no-frills' airline, Air Asia. The Low Cost Carrier Terminal is located 20 kilometres from the KLIA Main Terminal Building (MTB). Construction of the LCC Terminal began in June 2005 and was complete within a year at the cost of RM 108 million.

PROJECT DETAILS

The Reliable Controls® MACH-System installed at LCCT utilizes RC-Studio® 2.0 to interface with a system consisting of some 40 controllers and 400 points of measurement. The mechanical and electrical services interfacing with the Reliable Controls® MACH-System include mechanical ventilation (lead-lag controls of secondary CHW pumps, air handling units with fresh air damper control for CO₂ level, fan coil units, heat recovery wheel system and ventilation fans). The Reliable Controls® MACH-System also regulates lighting control and monitors the status of the smoke spill fans of the airport complex.

The MODBUS-Link™ portal interfaces with some 13 Danfoss VLT6000 frequency inverters for control and monitoring of the equipment.

To learn more about projects using Reliable Controls® visit
www.reliablecontrols.com/projects/overview



PROJECT TYPE:
New Construction

INSTALLATION TYPE:
Integrated Mechanical & Electrical

TOTAL AREA:
35,290 m² (380,000 ft²)

EQUIPMENT INSTALLED:
 1 MACH-Global™
 1 MODBUS-Link™
 8 MACH-Global™ I/O Expansion Card
 8 MACH2™
 18 MACH2™ Expansion Card

NETWORK:
Ethernet, RS-485

INTEGRATION:
Modbus RTU Frequency Inverter

TOTAL SYSTEM POINTS:
400 points

CONSULTANT:
Jurutera VoonKonsult

RELIABLE CONTROLS® DEALER:
Techno Controls

