

# UNIVERSITI TENAGA NASIONAL

BANGI, SGR, MALAYSIA

EDUCATION

## WELL-BALANCED EDUCATION

One of the first private universities in Malaysia, Universiti Tenaga Nasional (UNITEN) offers both academic and engineering programmes. The university's programmes focus on engineering, information technology, business management and related areas. UNITEN's well-balanced graduates are prepared for the challenges of industry or research. The IT College became its own faculty in 2003 and is quickly gaining notoriety, attracting both regional and international students.

## PROJECT DETAILS

The Reliable Controls<sup>®</sup> MACH-System installed at the Universiti Tenaga Nasional is a new construction project that utilizes RC-Studio<sup>®</sup> 2.0 to interface with a system consisting of some one dozen controllers. The mechanical and electrical services interfacing with the Reliable Controls<sup>®</sup> MACH-System include mechanical ventilation (water cooled chiller, CHW pumps, cooling towers, CDW pumps, air cooled chiller and pumps, and power monitoring), electrical services (HT main incoming, transformers, standby genset, lighting control, and alarms), and cold water services (booster pump, pneumatic pump, and cold water tank).

The BTU consumption calculation relies on an interface with a standalone VAV system.

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



**PROJECT TYPE:**  
New Construction

**INSTALLATION TYPE:**  
Mechanical, Electrical

**TOTAL AREA:**  
40,000 m<sup>2</sup> (430,000 ft<sup>2</sup>)

**EQUIPMENT INSTALLED:**  
1 MACH-Global™  
1 MACH-Zone™  
11 MACH2™

**NETWORK:**  
Ethernet, EIA-485

**TOTAL SYSTEM POINTS:**  
600 points

**CONSULTANT:**  
TNB / Hashim & Neh

**RELIABLE CONTROLS<sup>®</sup> DEALER:**  
Techno Controls

www.reliablecontrols.com