

# AEON MALL

SENTUL CITY, INDONESIA

## INTRODUCTION

Sentul City is a master planned township just south of Jakarta that is committed to green building and sustainable development. Japanese retail group AEON opened AEON Mall Sentul City, one of dozens of AEON shopping centers in Asia, in November 2020. Built on 1.9 hectares, the complex houses 270 stores, such as H&M, Uniqlo, and Yonex. AEON is the parent group of approximately 300 companies and became ISO 14001 certified in 2000 for its environmental management system.

## PROJECT DETAILS

Reliable Controls Authorized Dealer PT Deltamas Solusindo installed a Reliable Controls building automation system during the construction of AEON Mall Sentul City.

PT Deltamas Solusindo expanded the input and output capabilities of 45 Reliable Controls system controllers, including MACH-ProWebCom, MACH-ProCom, MACH-ProSys, MACH-Pro1, and MACH-Pro2 devices, using MACH-ProPoint Input and MACH-ProPoint Output expansion modules. These devices communicate via BACnet to control a chiller plant, air-handling unit, fan-coil unit, variable air volume units, pumps, and lighting equipment over the 70,000 m<sup>2</sup> (753,473 ft<sup>2</sup>) shopping center.

The MACH-ProCom, MACH-ProSys, MACH-Pro1, and MACH-Pro2 are freely programmable BACnet Building Controllers ideal for controlling rooftop equipment, mechanical rooms, and complex integrated systems. With its unique three-in-one design, the MACH-ProWebCom combines a BACnet Operator Workstation and a powerful web server in a single package no larger than a typical controller and includes a built-in workstation that eliminates the need for AEON Mall Sentul City managers to pay for client license renewals and cloud services.

PT Deltamas Solusindo used RC-Studio to integrate the Reliable Controls system with mechanical equipment from numerous third-party vendors to monitor energy, gas, and water use throughout the facility. Today, RC-Archive software provides operations managers with a robust record of building performance by delivering continuous downloads of data logs to a SQL database.

COVID-19 delayed the project by nearly two years, but at the grand opening in 2020, Indonesian politician Ade Yasin said, "The public is quite enthusiastic about the mall. I'm also glad, because [the mall] allows us to keep our economy running as we try to recover from the blow of the pandemic."

Reliable Controls and PT Deltamas Solusindo were pleased to provide a flexible, sustainable building automation system that meets the current and future needs of AEON Mall Sentul City.

To learn more about projects that use Reliable Controls, visit [reliablecontrols.com/projects](https://reliablecontrols.com/projects)



# Reliable<sup>®</sup> controls



**MARKET SEGMENT**  
Retail

**PROJECT TYPE**  
New Construction

**INSTALLATION TYPE**  
HVAC

**TOTAL AREA**  
70,000 m<sup>2</sup> (753,473 ft<sup>2</sup>)

**PROTOCOL**  
BACnet

**INSTALLED EQUIPMENT**  
 4 MACH-Pro1™ controllers  
 12 MACH-Pro2™ controllers  
 26 MACH-ProCom™ controllers  
 120 MACH-ProPoint™ Input expansion modules  
 100 MACH-ProPoint™ Output expansion modules  
 1 MACH-ProSys™ controller  
 2 MACH-ProWebCom™ controller  
 RC-Archive® software  
 RC-Studio® software

**TOTAL SYSTEM OBJECTS**  
5,000

**RELIABLE CONTROLS AUTHORIZED DEALER**  
**PT DELTAMAS SOLUSINDO**

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