

THE HIVE

SINGAPORE

EDUCATION

OVERVIEW

Also known as the Learning Hub or the “dim sum basket building” due to its likeness to steamer baskets, the Hive is an extraordinary educational facility located at Nanyang Technological University in Singapore. Completed in 2015, the Hive obtained the distinction of becoming a finalist in the World Architecture Festival for the Commercial Mixed-Use Award in the Future Projects subcategory. The building consists of 12 eight-storey towers arranged around a public atrium and is part of Asia’s widest network of beautiful coworking office spaces, currently across four countries.

PROJECT DETAILS

This project was successfully completed by Reliable Controls Authorized Dealer, Vace Pte. Ltd.

The network architecture for this project consisted of 63 MACH-ProSys™ controllers installed in 56 smart classrooms and a library.

The mechanical equipment controlled on this site included Passive Displacement Ventilation (PDV) coils, which resulted in an innovative fanless air distribution system, that closely resembled a displacement ventilation system.

This project was the first of its kind in Singapore to implement a PDV system across an entire building. Reliable Controls and Vace Pte. Ltd. are very pleased to have played an important role in the sustainable operation of the first major building in Asia designed by Heatherwick Studio.

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



PROJECT TYPE:

New Construction

INSTALLATION TYPE:

Fan Coil Unit, Passive Displacement Ventilation System

TOTAL AREA:

15,000 m² (161,460 ft²)

PROTOCOL:

BACnet®

POINTS:

1500

EQUIPMENT INSTALLED:

63 MACH-ProSys™

RELIABLE CONTROLS® DEALER:

Vace Pte. Ltd.

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