

KESTER

SINGAPORE

INTRODUCTION

Kester is a global supplier of assembly materials for electronics and microelectronics manufacturers. Founded in 1899 to produce flux-cored solder as the Chicago Solder Company, today [Kester](#) operates facilities in North America, Europe, and Asia. Its products include basic and high-tech attachment materials like soldering chemicals and paste, wire, and bar products. Kester's ISO 14001 and 9001 certifications demonstrate its dedication to quality and environmental responsibility.

PROJECT DETAILS

Authorized Dealer [VACE](#) installed a Reliable Controls building automation system in Kester's Singapore facility in 2014.

The networked hardware included a MACH-ProCom controller expanded with MACH-ProPoint Input/Output modules for chiller sequencing, room pressure control, humidity and temperature control, and makeup and clean-room air-handling units. The makeup air-handling unit required control of off-coil temperature and discharge-air static pressure. Four MACH-ProZone devices control exhaust fans in production areas and failure-alarm monitoring.

The facility's chilled water plant has two air-cooled chillers and water pumps that serve the air-handling unit for the production, office, and common areas. The makeup air-handling unit serves the clean room, and a dehumidifier and four mechanical exhaust fans maintain setpoints.

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Reliable®

controls



MARKET SEGMENT
Manufacturing

PROJECT TYPE
New construction and retrofit

INSTALLATION TYPE
HVAC

TOTAL AREA
3,000 m² (32,291 ft²)

PROTOCOL
BACnet

INSTALLED EQUIPMENT
3 MACH-ProPoint™ Input/Output expansion modules
1 MACH-ProSys™ controller
4 MACH-Zone™ controllers

TOTAL SYSTEM OBJECTS
62

RELIABLE CONTROLS AUTHORIZED DEALER

VACE®

Valves | Actuators | Controls Equipment

ASHRAE **BACnet**