

DRESDEN INDUSTRIAL CHILLER

RODNEY, ON, CANADA

MANUFACTURING

GLOBAL VEHICLE TRANSPORTATION PRODUCTS

Dresden Industrial is a branch of KSR International, an industry leader in the design, engineering, and manufacture of an array of automotive products, including sensors, electronic throttle controls, and adjustable and fixed pedals. At the Rodney Industrial plant, brake pedals are designed, engineered, tested, and manufactured for a wide variety of OEMs.

PROJECT DETAILS

Reliable Controls Authorized Dealer, Postma Heating & Cooling, Inc., a family-owned business based in Chatham, Ontario, recently completed a project for KSR International's Dresden Industrial Chiller, which includes both retrofit and new construction elements.

The project required a full BACnet integration with products from three different manufacturers, all communicating on the network perfectly, including MACH-Stat controllers, which are dual protocol, MACH-Pro Zone controllers, which are straight BACnet, as well as third party valves and a chiller, which are BACnet integrated. One of the challenges faced in this project was the third-party valve, which had poor BACnet integration and would not communicate with the MACH-Stat devices. As a result, new firmware was written and a MACH-ProCom was installed to resolve the issue.

The majority of savings related to this project was realized in labour. Additionally, the facility's system now has the capability to shut down on schedules and see the status of the welders remotely. The system as a whole has increased the quality of manufactured pieces and there is less downtime with fewer parts being replaced on the welders.

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PROJECT TYPE:

Retrofit & New Construction

INSTALLATION TYPE:

Chiller, HVAC, Lighting, Water Monitoring

TOTAL AREA:

640,000 m² (6,888,902 ft²)

EQUIPMENT INSTALLED:

**14 MACH-Stat™
 1 MACH-ProCom™
 7 MACH-ProZone™
 1 MACH-ProWebSys™**

NETWORK:

EIA-485, WAN

INTEGRATION:

BACnet®, MODBUS

TOTAL SYSTEM POINTS:

236 points

RELIABLE CONTROLS® DEALER:

Postma Heating & Cooling, Inc.

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