

Wireline Switch Center

Kansas City, MO Chiller and XD Equipment Installation



Project Summary

This project was performed on a live network switch and included mechanical and electrical additions and upgrades. New chillers, Liebert in-rack high density cooling systems, and associated electrical were installed to meet the customer's growing cooling and power needs. In order to maintain the customer's network integrity, critical work in both mechanical and electrical phases was executed during the facility's maintenance windows. These tasks included CHW piping stopple work, hot taps, and electrical buss tie-ins. The Building Automation System was expanded to allow the customer's nationwide monitoring center to monitor and control the new HVAC equipment.

List of Installed Equipment

- (1) 285 ton Air Cooled Rotary Screw Chiller
- (1) 320 ton Air Cooled Rotary Screw Chiller
- (9) 160 ton Liebert XDP Pumps
- (37) 32 ton Liebert XDH Units
- (4) 32 ton Liebert XDO Units
- (2) 105 ton Fluid Coolers
- (5) 700 GPM CHW Pumps
- (184) Building Automation Control Points



New Chiller Installation



Chilled Water Piping Installation



Chilled Water Pump Installation



Installation of Stopple Valve



Temporary Cooling Units



High Density Cooling Start-Up