

## RBC GCC

### Legacy End of Life Refresh

Guelph, ON

<b>Owner:</b>	RBC
<b>Value:</b>	\$24,200,000
<b>Date:</b>	December 2018
<b>Trades:</b>	Electrical Mechanical



MISSION CRITICAL FACILITIES

#### Project Description and Scope:

The State Group Inc. served as the Prime Contractor for this Design build project for End of Life Refresh of an existing electrical distribution system.

New PDU rooms were built to house the replacement electrical distribution equipment (PDUs), complete with new feeder source. New RPPs complete with new feeder source were installed within the operating Data Hall, with approximately 1800 new power whips to all existing servers.

Aging mechanical equipment (replacement of AHUs) were also part of the scope within an operational data center; complete with new duct work.

The new equipment was followed by a new power monitoring system to new equipment and upgraded BAS system to new AHU equipment. The existing Data Hall was also supplied with a new Pre-Action Sprinkler system followed by the removal of the existing wet sprinkler system.

Added to the project scope was the replacement of the MV UPS batteries, complete with all testing and upgrading of the MV UPS equipment programming. Extensive commissioning was required prior to all the new equipment being placed on line. Additionally, the front offices of the Data center were also renovated both Electrically and Mechanically by The State Group Inc.