Reliable controls®

ONE OXFORD CENTRE

PITTSBURGH, PENNSYLVANIA UNITED STATES

INTRODUCTION

With 46 floors in its main tower, One Oxford Centre rises hundreds of feet above downtown Pittsburgh and is one of the distinguishing buildings of the city. It offers Class A office and retail space with a multilevel parking garage, an atrium, and a five-level urban plaza. In January 2016 Shorenstein acquired One Oxford Centre from Oxford Development and implemented an intensive improvement program that included a focus on sustainability.

PROJECT DETAILS

Authorized Dealer Pittsburgh Controls & Consulting installed a Reliable Controls building automation system at One Oxford Centre in 2016 and returned to the site in 2017, 2018, and 2019 for further upgrades.

The dealer worked hard to integrate the new system with existing equipment. A challenge of this project was taking partial control of the air-handling unit. A smoke control requirement meant Pittsburgh Controls & Consulting had to install MACH-Pro devices between the existing controller and variable frequency drives to modify the air-handler dampers and fans while maintaining control functionality.

With the Reliable Controls system, Pittsburgh Controls & Consulting empowered improved energy efficiency at One Oxford Centre by moving from a pneumatic control model to a centralized building automation system. The power and flexibility of Reliable Controls allowed the dealer to meet the technical requirements of this complex project while staying within budget.

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MARKET SEGMENT
Corporate

PROJECT TYPE
Retrofit

INSTALLATION TYPE
HVAC

TOTAL AREA
86,605 m² (932,219 ft²)

PROTOCOL
BACnet

INSTALLED EQUIPMENT
6 MACH-Pro1™ controllers
129 MACH-ProAir™ controllers
15 MACH-ProCom™ controllers
2 MACH-ProPoint™ Input/Output Universal expansion modules
31 MACH-ProView™ controllers
37 MACH-ProView LCD controllers
4 MACH-ProSys™ controllers
1 MACH-ProWebSys™ controller
19 MACH-ProZone™ controllers
105 SMART-Sensor™ devices
41 SMART-Sensor LCD devices
1 SPACE-Sensor™ Temperature device
RC-WebView® software

TOTAL SYSTEM OBJECTS
800

RELIABLE CONTROLS AUTHORIZED DEALER

PITTSBURGH
CONTROLS & CONSULTING

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