

# GLENEAGLE OFFICE PARK

MONUMENT, COLORADO, USA

CORPORATE

## INCREASED CONTROL

Gleneagle Office Park is comprised of three buildings built in 2000, two of which are leased office space, and a larger building occupied by the company that owns the facility. The facility was running inefficiently using out-of-date systems, and the occupants were frustrated with comfort levels.

## PROJECT DETAILS

The main networks of the system are on an Ethernet IP network and the MACH-ProAir™ controllers are on an EIA-485 MS/TP network. The MACH-ProZone™ controllers are also on the EIA-485 network and additionally control the roof top units (RTUs). SMART-Sensor interfaces are used for room sensors. The mechanical equipment of the facility included many older RTUs, and two of them were replaced with newer units to help with efficiency.

These systems are variable volume and temperature (VVT), and each RTU takes care of the first and second floor of the section for which they are designated. A challenge was that the end of the runs on the first floor were always cold; however, with the new system, the static setpoint can now be slid higher when those areas call for heating or cooling. This has helped deliver more air to the space for a faster recovery. Occupants have been given more control of their supply air setpoint, delivering a hotter air temperature to the outer most points of the system. The comfort level is now acceptable, and there is little to no part of failure since the new system has been installed.

After one of the buildings of the facility was retrofitted, the functionality and comfort improved so much that a second building was retrofitted. Repair savings are in the realm of \$10,000 per year and utility bills have been dramatically reduced as a result of the increased control.

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### PROJECT TYPE:

Retrofit

### INSTALLATION TYPE:

VVT

### TOTAL AREA:

42,300 m<sup>2</sup> (455,317 ft<sup>2</sup>)

### EQUIPMENT INSTALLED:

2 MACH-ProWeb™

2 MACH-ProCom™

80 MACH-ProAir™

30 SSL™

40 SST™

12 MACH-ProZone™

### NETWORK:

EIA-485, Ethernet

### TOTAL SYSTEM POINTS:

1992 points

### RELIABLE CONTROLS® DEALER:

HVAC Solutions, Inc.

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