

BROADWAY TOWER

PORTLAND, OREGON, UNITED STATES

INTRODUCTION

Broadway Tower is a 19-story mixed-use high-rise building in the heart of Portland within walking distance of the city's best restaurants, shops, museums, parks, and galleries. The ground floor includes retail space and world-class restaurant and bar facilities. A Radisson RED Hotel occupies the second through eighth floors and includes 186 hotel rooms. The ninth through nineteenth floors are offices.

PROJECT DETAILS

Authorized Dealer [Sunbelt Controls](#) installed a Reliable Controls building automation system during construction of Broadway Tower.

On the office-occupied floors, self-contained vertical units with water-side economizers use a condenser water loop controlled by wet-bulb outside-air temperature to maximize efficiency. Fan-powered and variable-air-volume boxes with reheat complete the mechanical equipment for the office floors. The ground floor and hotel mechanical system includes fan-coil units with electric reheat and hydronic cooling. The hydronic system uses boilers, an air-cooled chiller, heat exchangers, pumps, and cooling towers. Sunbelt Controls integrated a chiller, dedicated outdoor-air system, rooftop unit, variable frequency drives, hydronic flow meters, and garage exhaust with the Reliable Controls system.

Broadway Tower achieved [LEED Gold Core and Shell certification](#) in 2018.

Interested in Reliable Controls technology for your next project?
Find an Authorized Dealer near you:
reliablecontrols.com/sales
Explore other Reliable Controls projects:
reliablecontrols.com/projects/profiles



MARKET SEGMENT:

Corporate

PROJECT TYPE:

New construction

INSTALLATION TYPE:

HVAC

TOTAL AREA:

39,948.3 m² (430,000 ft²)

NETWORK:

EIA-485, Ethernet

PROTOCOL:

BACnet

EQUIPMENT INSTALLED:

237 MACH-ProAir™ controllers
12 MACH-ProCom™ controllers
4 MACH-ProSys™ controllers with smoke control
1 MACH-ProWebCom™ controller
72 MACH-ProZone™ controllers

TOTAL SYSTEM OBJECTS:

2,970

CERTIFICATIONS:

LEED Gold

RELIABLE CONTROLS DEALER:

