

# TERRACE TOWER

DENVER, CO, USA

CORPORATE

## HIGH-TECH RETROFIT

A high-end office complex built in 1981, Terrace Tower has long been one of the most recognizable buildings in the prestigious Denver Technology Center. After an initial retrofit in 1983 failed to provide better comfort across Terrace Tower's 241,000 square feet, American Mechanical Systems was contracted to remove the existing materials from the central plant and install a new Reliable Controls® MACH-System.

## PROJECT DETAILS

The original control system was pneumatic and had been overlaid with a subsequent DDC retrofit. The retrofit had not taken into account the original system design intent, and as a result, when the system began to fail, the owner sought a solution flexible enough to meet the building's long term requirements. American Mechanical Systems installed two MACH-Global™ controllers and two central plant MACH2™ controllers, along with four floors of MACH-Air™ VAV controllers. Fan-powered controllers were installed in the first phase. Over time, as floors and spaces were leased, new controllers were easily integrated into the Reliable Controls® MACH-System.

As a result of the Reliable Controls® MACH-System installation, tenant comfort complaints have dropped by 75%, and Terrace Tower won the prestigious 2006 BOMA Toby award.

To learn more about projects using Reliable Controls®, visit [www.reliablecontrols.com/projects/overview](http://www.reliablecontrols.com/projects/overview).



### PROJECT TYPE:

Retrofit

### INSTALLATION TYPE:

HVAC

### TOTAL AREA:

22,000 m<sup>2</sup> (241,000 ft<sup>2</sup>)

### EQUIPMENT INSTALLED:

2 MACH-Global™  
2 MACH2™  
2 MACH-Zone™  
4 MACH1™  
360 MACH-Air™

### NETWORK:

EIA-485

### TOTAL SYSTEM POINTS:

1,200 points

### RELIABLE CONTROLS® DEALER:

American Mechanical Systems

www.reliablecontrols.com