



Building Automation Systems

Project Profile

Commercial

DuPont Corporation Headquarters – the Wilmington Office Buildings complex select Tri-M and Andover Controls



In 1993, Tri-M Building Automation Systems was selected to replace all the control systems in the DuPont Corporate Headquarters - Wilmington Office Buildings (WOB) with Andover Controls Systems. The complex consists of 3 buildings.

Founded in 1802, DuPont was primarily an explosives company. One hundred years ago, the focus turned to chemicals, materials, and energy. Today, they deliver science-based solutions that make real differences in people's lives around the world in areas such as food and nutrition, health care, apparel, safety and security, construction, electronics and transportation.

Tri-M Building Automation Systems installed the first Andover Controls system in 1993 and has expanded/upgraded the systems on an ongoing basis ever since. The system integrates all aspects of the buildings critical environments and special conditions from the Board Room, the world class Hotel Dupont, the Playhouse Theatre, to the kitchens.

In 1998 added control of the WOB boiler systems. The Andover systems monitors and interfaces with Baily controls to manage boiler water level. The Andover system senses fuel input and steam output of six boilers to calculated energy performances. The boilers provide steam to all four WOB buildings.

Tri-M uses the Andover Infinity family of Controllers at the complex. Controlling the HVAC and an engineered smoke control system.

Tri-M provided all installation from cabling, device interface, panel fabrication, and testing. All work was done after-hour to reduce the impact on the facility business operations.



PROJECT AT A GLANCE:

Project Type:

HVAC, System Integration

Project Name:

Dupont Wilmington Office Buildings

Location:

Wilmington, DE

Market Segment:

Commercial

Number Of Buildings:

3

Total Area:

1+ million sq.ft.

Equipment Controlled:

Air Handling Units
Chiller Plant
Heat Exchangers
Dual Duct Terminals
VAV Boxes
Boilers

Network:

Dedicated Ethernet LAN

Applications:

Temperature and humidity control
Utility monitoring and reporting
Central Plant monitoring and control

Third-Party Equipment and/or Drivers:

Baily

Total System Points:

2,200+ (HVAC)

Total System Investment:

\$2.8+ million

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