



Building Automation Systems

Project Profile

Research

DuPont Stine-Haskell Research Center – Tri-M and Andover Controls support operations in 82 Laboratories with 183 fume hoods.



Tri-M was selected to install the building and laboratory controls equipment in the new DuPont Stine-Haskell OPD-1 facility. Over 190K square feet facility requiring the installation of integrated Andover Controls and Phoenix systems for 82 laboratories and 183 fume hoods as well as two Trane centrifugal chillers.

The research center started as Stine Laboratory, named for Chemist and former DuPont Research Director Charles M.A. Stine (1882-1954). It opened in November 1951 near Newark, Delaware, to conduct agricultural and veterinary research. In 1953, the Stine Lab welcomed DuPont's Haskell Laboratory of Industrial Toxicology to its Newark campus, thereafter known as the Stine-Haskell Research Center.

The OPD-1 project consisted of the use of the Andover Controls head-end with software integration controlling all aspects of each laboratories supply air, exhaust air and the balancing of the Phoenix fume hood controls to accurately manage the fume hood face velocity to meet the DuPont safety standards.

As well as the laboratory units and fume hoods, the system controls the rest of the facility office systems.

In addition to the OPD-1 facility, Andover Controls support seven other buildings in the research center.



PROJECT AT A GLANCE:

Project Type:

HVAC

Project Name:

Dupont Stine-Haskell Research Center

Location:

Newark, DE

Market Segment:

Research

Number Of Buildings:

1

Total Area:

190,000 sq.ft.

Equipment Controlled:

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

Network:

Dedicated Ethernet LAN

Applications:

Temperature and humidity control
Lab Controls, Chiller controls
Monitoring

Third-Party Equipment and/or Drivers:

Phoenix, Trane

Total System Points:

10,000+ (HVAC)

Total System: Investment:

\$2.5+ million

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