Engineered Corrosion Solutions

Complete Corrosion Control.

Engineered Corrosion Solutions, LLC
Project Case Studies – Mission Critical Data Centers

Type: Colocation Data Center
Project Name: DuPont Fabros Technology

ECS was contracted to provide corrosion management nitrogen generators as supervisory gas for the double interlock preaction fire sprinkler systems at eleven (11) DuPont Fabros Technology Data Centers beginning in 2013.

General Contractor: Holder Construction (new construction)
Fire Sprinkler Contractor(s): BFPE International, Hill Ahern, Valley Fire Protection
Location(s): Northern Virginia, Chicago, Santa Clara
Project Begin Date: 2013
Project End Date: ongoing
Data Center Size: varies
Fire Sprinkler Type: Double Interlock Preaction and Wet Pipe
Fire Sprinkler Piping: Black Steel & Galvanized Steel

Services Provided by ECS:

- Review all fire sprinkler design drawings
- Design nitrogen generator system for pressure maintenance gas
- Design monitoring system to ensure quality control of corrosion management system
- Commission all systems on site with facilities personnel, fire sprinkler contractors
- Provide training on operation and maintenance of the ECS corrosion management and nitrogen generation systems
- Provide owner's manual and operational protocols for all ECS corrosion management and nitrogen generation systems

Equipment Provided by ECS:

- ECS Nitrogen Generators
- ECS In-Line Corrosion Detectors (new construction)
- ECS Hand Held Gas Analyzers
- ECS Manual Dry Vents
- ECS Filter Maintenance Kits – Annual PM Protocol
- ECS Automatic Air Vents (wet systems)

Performance

Since the ECS equipment was installed and commissioned there have been no recorded operational problems and no recorded corrosion related leaks.

*Note that all information contained herein is publicly available