



Expert thermal
process energy
management

Project:
Petrochemical Plant Chilling
System

Client: Celanese Chemicals
Year: 2011









Solution: Outdoor refrigeration
system for a polyethylene
facility's dual chiller system



Features:

- Operates in a hazardous environment
- Air cooled for outdoor applications
- Modular system constructed in four pieces
- Maintenance mezzanine
- Skid mounted, factory assembled, tested, knocked down for shipping
- 2-week installation
- Plug & play design

Highlights:

-  Custom Engineered
-  Freon
-  Factory Tested
-  Skid Mounted
-  Air-Cooled
-  Plug and Play
-  Hazardous
-  Insulation

Custom engineered refrigeration and pumping system designed to cool a critical exothermic reaction to -10°C for a polyethylene production facility's 800 HP dual chiller system. The system incorporated 100% redundant equipment to ensure cooling would be available through the entire reaction period, with a fully redundant cooling capacity supplying 1,400 US gpm at 35°F. Scope of supply included one skid mounted central remote air cooled chiller for hazardous environments, one stainless steel chiller tank set, installation and start-up.

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