



Core Engineered Solutions Provides Unique Self Commissioning Fueling System for Data Center

Project:
Mission Critical Fueling System

Client:
Major East Coast Data Center

For major Data Centers a loss of power supply means server downtime and server downtime means immediate loss of revenue as well as other long term affects such as dissatisfied customers and a tarnished reputation. Recently a major Tier 4 Data Center on the East Coast called on Core Engineered Solutions to prevent such a loss by proving a high-tech mission critical fueling system .

Core's solution included two 15,000 gallon double walled UST's.



Core's solution included a unique self commissioning fueling system which featured two 15,000 gallon double walled steel Underground Storage Tanks. The UST's fed four 400 gallon double walled Day Tanks which in turn fed four 2,000KW diesel generators. The Day Tanks and generators were located in a Fire-Rated room within the Data Center. Each Day Tank was equipped with an individual control panel to direct fuel from the main storage tanks to the generators. The unique design of the control panels created a totally self commissioning system. The entire system can be self commissioned by a single technician within 2 hours saving the time and money over a typical manual commissioning. In addition, the system can be recommissioned at any time without shutting down the entire system. Core provided system design, drawings and system manufacturing and procurement.

UST's Manholes with backfill.



To discuss your mission critical fueling needs with a Core specialist contact us at 800-628-5502.

Inside view of the control panel.

