

## Mission Critical Fueling Solution: Bryn Mawr Hospital



Core Engineered Solutions was invited to provide recommendations on a mission critical fuel transfer system for the Bryn Mawr Hospital in Pennsylvania. A loss of power due to power grid failure could threaten the lives of many patients at this hospital.

To make sure this loss of power never occurs, Core furnished the Bryn Mawr Hospital with a safe, compliant, and secure mission critical fuel transfer system including duplex supply pumps, PLC-based digital controller, duplex filter/separators and a 280 USG DWS day tank with return pump. The complete system was factory assembled, tested (electrical, mechanical) utilizing Core's FAST (Factory Assembled Storage Tank) process. After successful testing, all electrical and mechanical components were marked and identified before being disassembled for delivery. Installation was reduced to two days on site.

### SafeSite CMFTS:

The Safesite CMFTS (Critical Mission Fuel Transfer System) is designed for use in critical applications such as backup power facilities, data centers, institutional boiler supply, hospitals and anything requiring the highest degree of reliability. The CMFTS intelligently integrates all of the fuel system components into one simple automated package.

### Project Details:

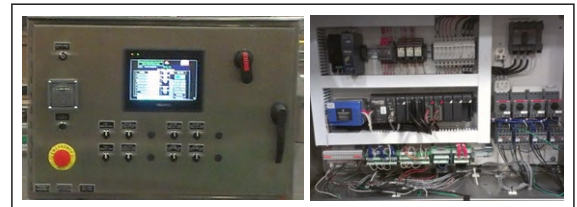
**End User:** Bryn Mawr Hospital

**Application:** Mission Critical 24/7 Life Safety

**Scope:** Provide 280 Gallon Double Wall Day Tank

**Components:** Safesite CMFTS (Critical Mission Fuel Transfer System) including PLC-Based Digital Controller with stainless steel cabinet, Duplex Supply Pump skid with Duplex Filter/Separator including all stainless steel piping and fittings, 280 USG DWS Day Tank with Return Pump assembly. Start-Up, Commissioning & Training with complete mechanical and electrical drawings package.

**Installation:** Utilizing the FAST Process, the installation by contractor was reduced to two days allowing for greater efficiencies by minimizing labor, materials and administrative time required.



(Inside Controller Cabinet)



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