

Efficient Designs Save Lives



HEALTHCARE



THE CHALLENGE

A leading academic medical center and health system in the Midwest needed to **enhance the efficiency and automation of their backup generator system** by installing a new state-of-the-art fuel system. However, the decommissioning and removal of the legacy system presented significant challenges. Removal of the system had the potential to disrupt daily hospital operations due to noise, odor, and the necessity for technicians to navigate interior hallways and elevators while removing over 1,000 feet of old piping from their buildings.



THE SOLUTION

PEI devised a comprehensive solution by designing a new, more efficient fuel system and implementing a comprehensive plan for the seamless removal of the old system. By deodorizing and drying the old fuel lines, PEI **successfully decommissioned the legacy system without causing any disruption to hospital operations** or compromising access to the new state-of-the-art mission-critical fuel system. Additionally, the automated design of the new fuel system ensured smooth operation of the facility's backup generators during unforeseen events.



THE RESULTS

Over the last five years, the hospital system has **seamlessly operated the automated generator fuel system** without any issues. PEI ensures compliance with State regulations through annual testing and preventive maintenance. Additionally, the implementation of a fuel polishing system not only preserves fuel quality but also contributes to sustainability by preventing the premature breakdown of unused fuel. The **backup fuel system guarantees continuous power** to critical areas such as operating rooms, ICU, cancer units, and clinics, ensuring uninterrupted medical services.

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CUSTOMER TESTIMONIAL

*"PEI's team has the knowledge and resources to complete any job efficiently and effectively, the first time, while **keeping the end-user's safety as top priority**. No matter how big or small the project is, PEI finds a way, not an excuse."*

-- Mike Burke, (formerly of) Filtration Corp of America