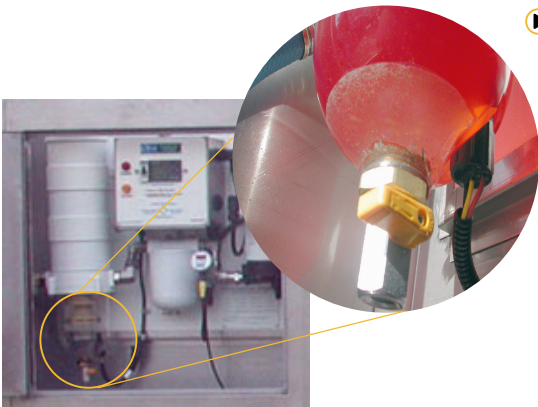
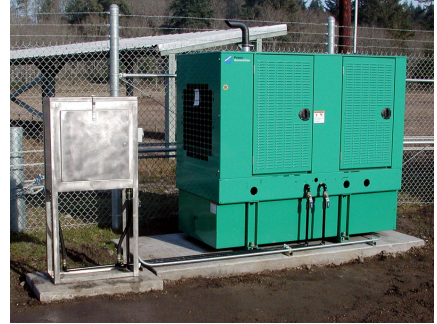


ESI RELIABILITY REPORT™

UNITED STATES DEPARTMENT OF DEFENSE, FORCE PROTECTION PROGRAM

▶ **ESI ASSIGNMENT: ENSURE RELIABILITY OF GENERATOR**

Faced with responding to potential force protection measures at numerous critical facilities, system managers at a major military facility sought to ensure the reliability of a new backup power generator. With the generator scheduled only for emergency operation, ESI was tasked to provide a system designed to regularly re-circulate and filter the 150 gallons of stored fuel. ESI installed a system that maintains the generator's fuel in top condition, avoiding the deterioration of stored fuel, and with the capability of remediating a contaminated load of new fuel. The specified system was designed, constructed, and installed to ESI specifications that meet and exceed accepted industry standards.

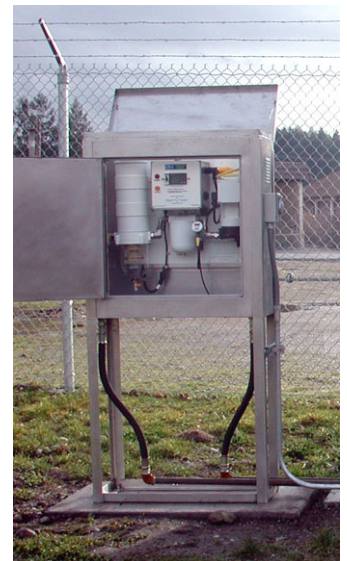


▶ **SITUATION: WATER DISCOVERED IN FUEL TANK**

Initial operation of the ESI Clean Fuel System resulted in the discovery and removal of water from the fuel storage sub-base tank. With more than 3.5 gallons of water removed from the 150 gallon tank, attention quickly turned to the source of the contamination. Facility managers determined that the contamination was introduced into the tank during initial filling. Had the generator utilized water-contaminated fuel, critical fuel system components including the pump and injectors, would have required expensive repair. More importantly, the generator would have failed during operation causing an interruption of power to a force protection facility, jeopardizing the security of the facility and the Nation.

▶ **THE ESI SOLUTION AND RESULT: GUARANTEED UNINTERRUPTED CRITICAL OPERATIONS**

The ESI-Clean Fuel System successfully removed all the water from the fuel tank, preventing generator damage and failure. The ESI Clean Fuel System is set to run automatically each week to maintain clean, contaminant-free fuel and tank cleanliness from this point onward. ESI's Clean Fuel System guarantees the fuel for uninterrupted power during mission critical operations – a priceless benefit to those responsible for national security.



ESI leads the market in the design and manufacturing of specialized fuel filtration systems that enhance the reliability of mission critical power systems through innovative engineered solutions and services while safeguarding the environment.