



Shown above is a Highland Tank rectangular FIREGUARD® tank with fuel port

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THE BIG PICTURE: A COMPLETE MISSION CRITICAL FUEL SYSTEM

A reliable fuel system is much more than a tank. It is a carefully engineered network of components that work together to safely store, move, monitor, and deliver fuel exactly when it is needed. Dependable fuel storage and delivery, especially for critical infrastructure, requires a complete, integrated approach.

THE FUEL PORT - WHERE IT ALL BEGINS

Every fuel system starts with the delivery point. The fuel port provides a safe and controlled connection for tanker trucks to transfer fuel into the system. Designed with spill containment, overfill protection, and monitoring capabilities, the fuel port ensures that fuel deliveries are efficient and environmentally responsible.

THE STORAGE TANK - THE SYSTEM'S FOUNDATION

The storage tank is the heart of the system. Its role is simple but critical: safely store fuel until it is needed. Highland Tank designs and manufactures a wide range of aboveground and underground tanks engineered for durability, environmental protection, and long service life. Highland Tank's storage solutions include:

- FIREGUARD® Aboveground Storage Tanks
- HighGuard Underground Storage Tanks

FIREGUARD® TANKS

The FIREGUARD is a UL-2085 listed, insulated, double-wall aboveground storage tank designed for maximum fire protection and environmental safety. These tanks are widely-used at mission critical facilities where both safety and reliability are essential.

Fireguard tanks are available in capacities up to 60,000 gallons and feature protected construction, secondary containment, and built-in fire resistance. Their design allows them to be installed in locations where traditional tanks might not be permitted, making them ideal for dense urban environments, hospitals, data centers, and airports.

HIGHGUARD UNDERGROUND COMPOSITE TANKS

For underground applications, Highland Tank manufactures the HighGuard Tank, a UL-58 listed steel tank with a corrosion-resistant composite outer wall. The double-wall composite design provides superior environmental protection while maintaining the structural integrity of steel construction.

Both Fireguard and HighGuard tanks are built for long service life and come with an industry-leading 30-year limited warranty, providing owners with long-term confidence in their fuel storage infrastructure.

PUMP SETS – MOVING FUEL WITH PRECISION

Once fuel is stored, it must be transferred reliably to the equipment that needs it. Pump sets move fuel from the bulk storage tank through the distribution piping and toward the generator or other fuel-powered equipment.

These systems are designed with redundancy and reliability in mind, ensuring continuous fuel supply even during emergency operations.

DAY TANKS – MANAGING RUNTIME

For standby power systems, day tanks play a vital role. Located near the generator, day tanks maintain a ready supply of fuel for immediate operation. They automatically refill from the main storage tank as needed, ensuring uninterrupted runtime during power outages or emergency events.



CONTROLS – THE BRAIN OF THE SYSTEM

Automation and monitoring are essential for modern fuel systems. Advanced control panels oversee fuel levels, pump operation, alarms, and system diagnostics. By automating the process, operators gain real-time visibility and confidence that the system will perform exactly when needed.

FILTRATION – PROTECTING EQUIPMENT

Fuel cleanliness is critical for engine reliability. Over time, diesel fuel can accumulate water, particulates, and microbial contamination. Integrated filtration systems remove these contaminants, protecting generators and engines from damage while ensuring consistent performance.

MISSION-CRITICAL FACILITIES: WHERE RELIABILITY ISN'T OPTIONAL

Complete fuel systems are especially important for mission-critical facilities where reliability isn't optional - it's everything.

These environments include:

- Data centers supporting cloud services
- Hospitals and healthcare facilities
- Public safety centers including police stations, fire departments, and 911 dispatch centers
- Transportation hubs such as airports and air traffic control facilities
- Military and defense installations
- Utility infrastructure including power plants and water treatment facilities
- Financial institutions and

- payment processing centers
- Government emergency operations centers
- Manufacturing plants producing essential goods

These facilities are engineered for near-continuous operation, with redundant infrastructure, standby power generation, and robust fuel systems designed to perform without interruption.

BUILT FOR NATIONWIDE RELIABILITY

To support customers across North America, Highland Tank now operates eight manufacturing facilities, allowing the company to efficiently serve regional markets and large national projects. The newest addition to the Highland Tank manufacturing network is located in Liberal, Kansas, expanding production capacity and improving delivery logistics across the central United States.

THE COMPLETE PICTURE

When all these components work together—fuel ports, storage tanks, pumps, day tanks, controls, and filtration—you get more than equipment. You get a complete fuel management system designed for reliability, safety, and performance.

With Highland Tank you'll get integrated solutions that keep mission-critical facilities operating when the power goes out. Because when you look at the big picture, a fuel system isn't just a tank. It's the entire system working together to keep critical facilities running when the world depends on them.



Call 814-893-5701 today
or visit us at
www.highlandtank.com
for more information on our
storage tanks.

Contact: Robert Dupstadt
Email: rdupstadt@highlandtank.com

