

The image shows two men in white hard hats and safety gear standing next to a large, yellow, curved containment structure. One man is gesturing with his hands as if explaining something to the other. The background is a natural, outdoor setting with some vegetation and a dirt ground.

Environmental
Services

Seamless protection for your wellsite and the environment

Protect your assets, reduce risk and
lower lifetime costs

Engineered spill prevention and containment
products and systems for unmatched protection

**FALCON**
TECHNOLOGIES
A CARBO business

Seamless, cost-effective protection

FALCON TECHNOLOGIES provides a seamless, durable, maintenance-free layer of protection for your wellsite that reduces risk and lowers lifetime cost. Our high-performance environmental products and systems feature the proprietary FALCON LINER modified polyurea lining and coating technology.

Reduce environmental risk

By creating a seamless, durable barrier between your operations and the environment we provide unmatched protection for your wellsite assets, your production and the environment. Our products and services virtually eliminate the risk of leaks or other environmental issues.

Virtually eliminate maintenance costs

By completely sealing and protecting surfaces, our liner technology prevents corrosion, chemical and weather damage to your wellsite assets. The protection we provide eliminates routine maintenance and means that protected assets can simply be washed cleaned.

Reduce replacement and ownership costs

By significantly extending the life of your assets, our products and services can vastly reduce replacement costs over time. Together, with lower maintenance costs, we help you to lower your total cost of ownership (TCO) and realize a significant return on investment.

Avoid significant spill and remediation costs

Conservative estimates based on industry data illustrate that an average recordable spill causing a remediation event can result in expenses more than eight times the cost of installing a seamless containment system from FALCON TECHNOLOGIES®.

Avoid recordable incidents

Our containment systems are designed to contain and enable you to reclaim 100% of any spill, which means it is possible for you to avoid recordable incidents. As our seamless, impermeable liner allows you to fully recapture revenue-generating product and potential financial losses are avoided.

Complete protection for your wellsite

All of our permanent and temporary spill prevention and containment solutions are *engineered to protect*® your wellsite assets, reputation and the environment.



SITEGUARD™ seamless secondary containment system

Permanent, low-maintenance system that protect storage tanks and other components within the containment system. The system is designed to contain all spills, minimizes maintenance costs and extends asset life. Available as a surface-mounted or post-driven system.



TANKGUARD™ maintenance-free impermeable tank bases

Simple-to-install, durable tank bases that create a stable platform that avoids contact between moisture and the base of the tank, and acts as an insulator, which minimizes corrosion and extends the lifespan of your tanks. Our impermeable, easy-to-clean bases greatly simplify any remediation.



LOCATIONGUARD™ wellsite lining service

Tailored installation by our experienced team based on the requirements of each wellsite or application utilizing our industry-leading range of products, systems and spray-on lining and coating technology.



PORTAGUARD™ reusable spill containment

Temporary, mobile protection for the environment from small spills and leaks designed to be placed under trucks, generators, compressors, small tanks, frac tanks, hose/pipe connections, or other equipment. Our pads feature foam-filled berms designed to withstand pneumatic tire traffic and have been tested through hundreds of roll-over cycles.



WATERGUARD™ seamless water storage system

Engineered for the storage of both fresh and produced water in oil and natural gas environments. Our system is designed to support hydrostatic loading, resist commonly found chemicals and to provide years of virtually maintenance free service. Available as a surface-mounted or post-driven system.



GROUNDGUARD™ pre-fabricated liner

Durable geotextile and polyurea composite liner that provides industry-leading protection from spills. Only a single layer of the liner is required instead of multiple layers of HDPE, which results in a seamless installation with no trip hazards, improving site safety and spill containment. As the liner is pre-fabricated, rather than sprayed on site, it is quick to install.

FALCON LINER technology resists corrosion and damage due to chemicals or weather, virtually eliminating the risk of leaks or other environmental issues.

The engineered application of technology for long-lasting protection

Our 100% environmental success rate is based on ensuring that each product and system is designed, engineered and tested for the application.

Seamless protection

All of our products and systems utilize our proprietary FALCON LINER® spray-on modified polyurea liner and coating technology that adheres to a variety of surfaces, providing a seamless, durable, maintenance-free layer of protection in a variety of wellsite applications.

Tested for durability

Engineered, laboratory tested and proven for maximum durability, our liner technology maintains impermeability and puncture resistance under exposure to harsh UV and weather extremes, resulting in long life and minimal maintenance costs.

Our liner technology creates a seamless barrier that resists corrosive elements commonly found at the wellsite, virtually eliminating the risk of leaks of harmful fluids into the environment.

Precision application

Our pre-fabricated liners are manufactured using our unique computer-controlled, robotic system that sprays the precise thickness of the modified polyurea onto the flexible geotextile base. This assures that a consistent layer of protection is precisely applied across every square inch of the liner.

Any components or assets sprayed on location with our lining and coating technology is undertaken by our highly trained team using industry-leading equipment.

Systems engineered for performance

Our secondary containment and water storage systems are custom built with sturdy steel wall construction to ensure they will support full hydrostatic loading as designed. Each system design has received a professional engineer certification after multiple iterations of Finite Element Analysis (FEA) and physical deflection testing.

No other liner technology comes close

Our modified polyurea technology outperforms and outlasts HDPE, polyurethane and hybridized liners.

Benefits	FALCON LINER (Polyurea)	HDPE Liners	Polyurethane or Hybridized Liners*
Lasts the life of the well	✓	x	x
Durable and puncture resistant	✓	x	x
Does not break down under UV exposure	✓	x	x
Flexible in all weather conditions	✓	x	x
Endures high traffic	✓	x	x
Seamless for capture of all liquids	✓	x	Depends**
Quick cure time with minimal downtime	✓	✓	x
Resistant to most chemicals in oil and gas operations	✓	✓	✓
No VOCs during installation	✓	✓	x
Weather resistant	✓	x	x

* Note that polyurethane or hybridized liners are used by some service companies to lower costs, which generally sacrifices the positive characteristics seen in polyurea.

** Life expectancy is limited; will require replacement within a few years.



100% environmental success rate

With over 33,000 installations in service, there has never been an environmental failure of a system built by FALCON TECHNOLOGIES.

Complete containment and recovery

Clients who have experienced spills into our secondary containment systems were able to reclaim 100% of the spill, preventing a recordable incident and costly remediation. By recapturing spilled fluids and production, they avoid further financial loss.

Enhanced environmental and corporate responsibility

FALCON TECHNOLOGIES serves as a risk mitigation partner by working with you to minimize the likelihood and the impact of an environmental accident or spill. By using our products and systems you can protect your reputation, and demonstrate environmental and corporate responsibility to your shareholders, customers, the media and the public.



Unlike some providers, our liner thickness specification dictates the actual thickness of the polyurea, never the composite.

FALCON TECHNOLOGIES helps protect your wellsite, your production and the environment with engineered products and systems that use a unique and highly durable polyurea liner technology. We help reduce environmental risks and lower the lifetime cost of operations.

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