

Confined Space Technology

+ Work Faster and Safer in Confined Spaces

Executive Summary

Confined space work limits productivity and creates significant safety risk. Traditional approaches require extensive standby personnel, restrict the number of workers who can enter simultaneously, and create hours of delays for monitoring and atmospheric testing. OnPoint's Confined Space Technology solution integrates engineered ventilation, WatchPoint remote monitoring, and expert technical support to enable more workers in confined spaces simultaneously, reduce standby requirements, and maintain full OSHA compliance.

The Integration Advantage

Most companies contract confined space ventilation, atmospheric monitoring, and standby rescue as separate services. Ventilation systems provide air movement but lack real-time monitoring integration. Gas detection requires dedicated attendants at each location. Rescue services stand by without visibility into actual conditions.

OnPoint integrates engineered ventilation and remote monitoring technology where:

- WatchPoint monitors up to 12 spaces from one location with real-time atmospheric monitoring, video surveillance, and badging control across all spaces simultaneously
- Engineered ventilation systems coordinate with monitoring to optimize air quality while cameras verify worker protection and ventilation effectiveness
- Custom ventilation design addresses specific hazards with HEPA filtration, temperature control, and optimized airflow for each unique confined space
- Integrated emergency response capabilities connect panic buttons to immediate alerts while cameras provide rescue teams real-time visibility into conditions

Result

More workers can enter confined spaces simultaneously. Standby attendant requirements reduced. Full compliance maintained with complete digital records.

At a Glance



Monitor up to 12

confined spaces from single location



Multiple workers

can work simultaneously and continuously



28X exposure reduction

enables respiratory protection downgrade



Full OSHA compliance

maintained for permit-required confined spaces

Strategic Business Outcomes

Accelerate Critical Path Confined Space Work

Traditional confined space approaches limit how many workers can enter simultaneously and require extensive standby personnel. WatchPoint enables monitoring of up to 12 spaces from a single location while engineered ventilation systems maintain atmospheric conditions that allow multiple crafts working continuously. The result is faster completion of confined space work that typically sits on the critical path of turnarounds and outages.

Reduce Standby Personnel Requirements

Each confined space entry traditionally requires dedicated attendants, gas monitors, and rescue personnel. WatchPoint's centralized monitoring uses three cameras per space for interior work observation, exterior badging control, and flexible positioning. One operator can monitor multiple spaces simultaneously. Wireless gas detection with 18 sensor options monitors up to six gases across all spaces. The reduction in standby personnel translates directly to labor cost savings.

Maintain Complete OSHA Compliance

Permit-required confined spaces demand rigorous monitoring and documentation. WatchPoint creates a single digital record of all confined space activity with fully redundant server infrastructure. In the event of server failure, automatic failover to backup ensures no loss of monitoring or compliance documentation. Every entry, atmospheric reading, and emergency event is recorded and retrievable for OSHA compliance verification.

Industries We Serve



Energy & Utilities

Refineries, petrochemical plants, power generation, pulp & paper mills



Manufacturing & Materials

Steel production, automotive assembly, pharmaceutical manufacturing



High-Tech Infrastructure

Data centers, semiconductor fabs, large-scale construction projects

OnPoint.

Ready to **optimize** confined space operations?

Schedule a confined space technology consultation. We'll assess your operations and develop a customized solution to accelerate work while maintaining full compliance.

Contact OnPoint Industrial Services

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