Confined space safety redefined

United Safety

Confined space work is one of the most challenging aspects of a maintenance project. Accidents can occur if potential hazards are not properly managed. This considerable level of danger calls for extra safety measures, such as constant monitoring and record keeping of confined space work by an attendant positioned at the opening. However, the duties of the attendant are restricted to the outside of the vessel. So how does safety extend to the activities inside the confined space?

The answer lies in leveraging technology. With that in mind, United Safety is launching the TeQ™ Shield, an innovative confined space monitoring solution, at the Global Petroleum Show held in Calgary, Alberta, Canada from June 9-11.

One of the key benefits of the TeQ Shield is the ability to monitor the inside of a confined space remotely. From the command center, the safety operator has continuous awareness of all confined space work. He analyzes visual input of work being performed and the surroundings, monitors gas levels, controls worker access information and can communicate with personnel outside and inside the vessels. In the event of an emergency, he is able to convey valuable information to the rescue team prior to their arrival.

"With the TeQ Shield, the safety operator can rely on a solution that combines gas detection, video surveillance, two-way communication, access control and a command center to effectively monitor confined spaces, improving safety without delaying projects or increasing costs," said Sher Alizander, technical service manager for United Safety.

The TeQ Shield has a host of unique features. Cameras with day/night vision installed outside and inside vessels allow for clear visibility in a wide array of environmental conditions. Video is recorded along with gas detection logs. The data stored can be utilized in training or investigations.

Two-way communication — outside and inside of the confined space — keeps personnel in constant contact with the command center. It can be used for access control questions, remote correction of safety practices or speaking with personnel during emergencies.

The TeQ Shield is also equipped with continuous real-time gas detection. If a toxic atmosphere is detected, audible and visual alarms ensure proper evacuation of the vessel or area. Lastly, an access control feature allows only authorized individuals to gain access to a confined space with their site badges. This enables an accurate count of who is present in the space.

United Safety sees a variety of future enhancements to the TeQ service line, such as body cameras, monitoring of employee wellbeing and facility access control. The possibilities and applications will only grow as the technology evolves. "By combining technology with safety expertise, we redefine confined space work safety while improving the overall productivity of the event," said Tim Wallace, executive vice president-Western Hemisphere for United Safety.

With TeQ Shield, safety in and around confined spaces is redefined. United Safety sees this as the path to the future of a technical turnaround, where liabilities are greatly reduced and safety takes a quantum leap through the implementation of technology.

For more information, visit www.UnitedSafety.net or call (877) 805-5155. ●

Confined space monitoring just got more effective. With integrated gas detection, video surveillance, two-way communication, access control and a centralized command center, the TeQ™ Shield improves safety without increasing costs.

For more information on how we innovate, visit our website at **www.UnitedSafety.net** or call us at **877-805-5155.**

UNITED
United Safety

Please visit us at Texas/Louisiana EHS Seminar, booth no. 206