

# United Safety launches Confined Space innovation: TeQM

**Calgary**— *United Safety* launched **TeQTM Shield**, the latest innovation in confined space monitoring at the **Global Petroleum Show** in June.

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.

To ensure that the interior of the confined space is remotely monitored, *United Safety* designed the **TeQTM Shield**, an innovative confined space monitoring solution.

From the command center, the safety operator has continuous awareness of all confined space work, 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.

According to Shayne McCallum, Vice President, Canada for *United Safety*, "The **TeQTM Shield** provides the safety operator with 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".

The **TeQTM Shield** has a host of unique features including cameras with day/night vision, video recorded along with gas detection logs and data that can be utilized for training or investigations.

Two-way communication — outside and inside of the confined space — keeps personnel in constant contact with the command center. The **TeQTM 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 **TeQTM** 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 *TeQTM 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.

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## Photo Subjects:

Left to right (looking at the picture) Andy Kveps – General Manager, Innovations  
Shayne McCallum – VP Canada Ted Gibson – General Manager, Canada  
Meritt Shank – Sales and Marketing Manager- Daryl Helmer – CFO  
Tim Wallace – Executive VP Elie Daher– Executive VP & CMO  
Lee Whittaker – President & CEO (Cutting the ribbon)

