

compression facilities are required to maintain required production levels and maximize gas recovery.

Initiated by Norway's StatOil Hydro, the Ormen Lange subsea development project is one of the largest and most demanding industrial projects ever carried out in Norway. ICS Triplex was asked to implement its AADvance safety and critical control system for Aker Solutions as part of the pilot project. The AADvance system provides anti-surge and safety control for the subsea compression units.

"Our involvement originally was to provide the anti-surge protection for the compressor, but has now expanded to include the subsea safety shutdown portion and the nucleonic level-controller system," Skipp explains.

"The safety and level were added because the existing technology available for subsea applications doesn't

meet the required safety performance required by the customer. This project is pushing the boundaries of technology in all aspects — nothing like this has ever been attempted before," he adds.

Visit <http://bit.ly/kg0BI> for more information about the Ormen Lange project.

## Safety is a Key Part of Sustainability

No matter what the process application, manufacturers should have process control and process safety systems that communicate directly with each other and share important data, such as diagnostic information, system status, alarms, events and other critical information.

"This helps improve productivity, minimize troubleshooting time and provide faster recovery from interrup-

tions without compromising safety or security," Skipp says.

A sustainable operation allows a process to be maintained, at a certain level, indefinitely. Production processes and technologies must minimize energy and resource usage, minimize waste, protect equipment and people, maintain product integrity, and leave future production capabilities unhindered.

Sustainable practices, including effective safety initiatives, enable companies to meet present needs without compromising the ability of future generations to meet their own needs. □

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