

We help Gassco transport
74 billion cubic meter of natural
gas annually through their 6600 km
long subsea pipeline network.

What can we do for you?



www.gassco.no

THE CHALLENGE

Gassco AS outside Haugesund, Norway is the operating company that is responsible for managing a 6600 km long subsea pipeline network in the North Sea that delivers natural gas to the UK and Central Europe. In 2004 Gassco delivered 74,89 billion cubic meters of gas in 1994, which equals 14% of Europes consumption.

THE SELECTION

Due to the critical nature of Gassco's operation, and the hostile environment of the North Sea, a non-terrestrial communication solution offering high reliability and security was required for the SCADA system and pipeline control center. A principal reason for selecting TSAT was the low operating cost.

THE SOLUTION

The TSAT HUB is connected to an ABB top end SCADA system located at the Bygnes control center. The remote terminals are located at the pipeline landing sites where they interface to Kongsberg FMC flowcomputers, associated instrumentation, valve and compressor controls. A pipeline modelling system (PMS) is also using the online data to predict and simulate gas quality, inventory, leakdetection and pig operations. The application communication protocol is IP based, and the data rate is 14.4kbps.

THE BENEFIT

With the deployed solution, Gassco is able to deliver gas of 99.99% quality with more than 99.82% regularity, and with lower cost.

How can we improve your bottom line?