ConocoPhillips constructed an onshore drilling center (ODC) and real-time data monitoring system in its Stavanger, Norway offices. In addition to decreasing risk and offshore travel, ConocoPhillips wanted to reduce drilling costs and the number of well trajectory planning iterations. Furthermore, it aimed to improve geosteering decisions and integration between drilling and geology, thereby reducing unwanted safety incidents while drilling.

Halliburton’s Solution

Halliburton’s INSITE® data management service was a key enabler of the center, allowing ConocoPhillips to collect, transmit, replicate and manage drilling and other relevant rigsite data. The INSITE system offers the greatest user flexibility among many rigsite data management systems, which was a major reason for its selection. The improvements delivered via the ODC, in terms of increased collaboration and integration between the onshore and offshore teams, have helped the ODC work process gain wider acceptance among other project teams in ConocoPhillips’ Norwegian office and worldwide.

Economic Value Created

So far, ConocoPhillips has used the ODC in the drilling and geosteering phases with immediate success. Closer team collaboration and comprehensive real-time data utilization have improved placements of complex horizontal wells to maximize production. For personnel utilization ConocoPhillips estimates it saved 500 helicopter trips, 4,500 worker-days and US$53 million in one year.