

BP EXPLORATION USE IPLAN TO MANAGE THE MAINTENANCE PROGRAM FOR LARGE SCALE INTERVENTION PROJECT



Why did BP Exploration choose IAMTech's iPlan software for this critical asset life extension?

BP's Adam Priest explains;



iPlan will initially help BP Exploration to create work packs for the various stages of our maintenance program, giving us a high degree of control for work pack creation across large multidiscipline teams. At the same time, iPlan will improve our cost effectiveness, by reducing our dependency on third parties to help us mass produce our engineering data.

iPlan will provide BP Exploration with an intuitive and cost effective maintenance management solution, enabling their large multidiscipline teams to have a more cohesive, transparent working relationship, thus resulting in increased efficiency and cost reduction for the oil giant.

GOAL

BP Exploration required a system to complement their maintenance processes and to facilitate rapid work pack generation, approval and delivery – they chose iPlan to be that system.

The Sullom Voe Terminal is located at the northern end of the largest of the Shetland Islands. It is one of the largest oil terminals in Europe.

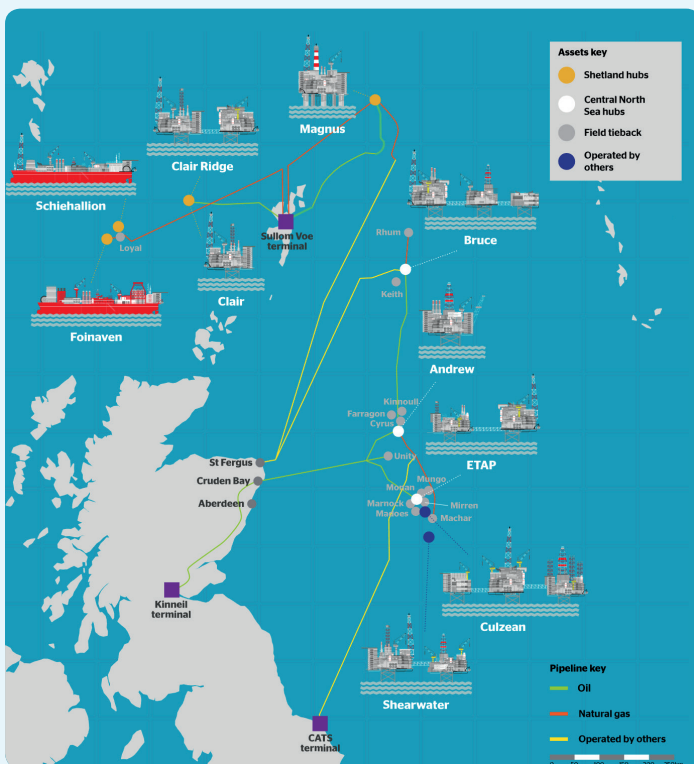


The terminal was built between 1975 and 1981 and covers 1000 acres. Its main purpose is to act as a buffer between the producing fields offshore and tankers waiting to ship oil to refineries worldwide. The terminal has been designed to allow continuous production offshore, even in bad weather. The Sullom Voe Terminal is operated by BP and handles production from more than two-dozen oilfields in the east Shetland Basin, between Shetland and Norway.

A lack of work pack engineers willing to work in this remote location, meant a delayed start to the project;

The work pack team needed to produce a minimum of 150, extremely comprehensive work packs per month. The work packs needed to meet the stringent governance necessary for operating in the North Sea. For example iPlan had to manage the joint integrity program for the terminal!

A changing of the guard at Sullom Voe has taken place, with EnQuest officially taking over the terminal – ending BP's long-standing association with the site in 2017 and the intervention project.





ABOUT



BACK IN 2014, ONE BARREL OF OIL COST OVER \$30 TO PRODUCE, WHILE NOWADAYS IT IS \$16-17.

This dramatic reduction in costs is making the North Sea a more attractive place to invest. With plans to drive this down to around \$12/barrel, and develop the remaining 2 billion barrels of known resources in BP's North Sea portfolio, it's clear that this mature region still has much to offer.

Writing in Aberdeen-based online newspaper Energy Voice, BP's North Sea regional president, Mark Thomas said: "We should take confidence from the extraordinary progress that we have made over the past couple of years. It is true testament to the talent and 'can do' attitude of the people working in our industry. I believe the North Sea is now on a path to be viable and sustainable at \$50 prices."



110,000 BARRELS

Daily production rates at Sullom Voe are currently around 70,000 to 80,000 barrels of oil, with a peak of 110,000 barrels for this year.

BP's production in the North Sea will more than double by 2020 to around 200,000 barrels of oil per day.

Major projects will be the driver behind this, like the new Glen Lyon Floating Production Storage and Offloading (FPSO) vessel which will extend and expand recovery from the Schiehallion and Loyal oil fields located West of Shetland through to 2035.

In addition, the second-phase development of the giant Clair field, Clair Ridge is expected onstream in 2018 with production expected to hit over 100,000 barrels of oil per day at its peak.