



## CUSTOMER CASE STUDY

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# BP Norway uses AVEVA™ Asset Information Management for more efficient operations

BP Norway - [www.bp.com](http://www.bp.com)  
Industry - Oil and gas

## Goals

- To obtain higher quality engineering data
- To make more informed decisions in day- to- day operations management and on brownfield modification projects
- To ensure fully auditable change management

## Challenges

- Operations could not run smoothly with the lack of engineering data available
- Adhere to global information standards and requirements

## Results

- Reduced work order costs
- Assured integrity of engineering information
- Easier maintenance of regulatory compliance

## Solution

- AVEVA Asset Information Management



The Skarv FPSO. Photograph courtesy of BP plc

## Overview

Norway – BP Norway’s Operations Information Hub (OIH) is a complex data solution built on AVEVA software. The OIH provides all of BP Norway’s employees and contractors with efficient, transparent access to the latest revisions of engineering data on all BP Norway’s production assets, while also ensuring that this information adheres to BP’s global standards for operational data. BP named this global data standard Upstream Master Class Library (UMCL).

## First phase of the roll-out

Specification and development of the OIH started in 2008, and the system was online to deliver project data into operations for the Skarv asset in 2010. Located in the Norwegian Sea approximately 210 km off the coast of Sandnessjøen, the Skarv field includes an FPSO and came on stream in December 2012. It has an expected productive life of 25 years. The Skarv operation has used the OIH since August 2013 with excellent results. After Skarv, BP Norway rolled out OIH to the Ula and Tambar assets. Ula is expected to be on stream until 2028. Tambar is an unmanned wellhead platform located 16 km southeast of Ula. Ula and Tambar successfully enabled OIH in 2015.

## The OIH and the Valhall asset

The lessons learned will be used to streamline the corresponding job recently started on the Valhall assets. Originally developed with three facilities, Valhall is a giant oilfield in the southern Norwegian North Sea that started production in 1982. Following the commissioning of the new process and hotel platform in 2013, the field’s life was extended by several decades.

Today, the Valhall complex consists of six bridge-connected steel platforms for accommodation, drilling, wellheads, production, water injection, and processing. Two unmanned flank platforms are positioned to the north and south, around 6 km from the field center.

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“During the OIH development and implementation project, BP Norway ensured compliance with the global UMCL standards right from the beginning, when we took the OIH online back in 2010.”

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**Tor Solberg**  
OIH Project Manager, BP Norway





The Ula assets. Photograph courtesy of BP plc

## A bright future ahead

All technical information for BP's Norwegian operations will be maintained and updated in compliance with BP's global data standard. This will represent an important milestone towards the more efficient and future-oriented delivery of maintenance and modification data.

BP Norway is now working to develop interfaces that will support the automatic exchange of data between BP Norway and its suppliers' systems. This work is progressing well, and BP Norway expects increased efficiency and further cost savings for all parties when these interfaces are fully implemented.

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“The rigorous class library data requirements that have been implemented with OIH demand higher quality technical information of verified maturity status, delivered from our partners during modification and maintenance projects. Incorrect or incomplete information submitted by partners or suppliers will therefore be rejected by the OIH, and a notification will be automatically issued asking them to correct the deficiencies and resubmit the information transfer. This will take place earlier in the delivery process and will ensure that our technical information and document control teams don't get involved until the data is in accordance with BP's requirements.”

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**Tor Solberg**  
OIH Project Manager, BP Norway