



## Case Study

# ENI UK – Liverpool Bay

## Hydrocarbon Accounting for Shared Infrastructure

### Challenge

ENI UK operates the Liverpool Bay production complex off the north-west coast of England, including the Douglas platform, the Point of Ayr gas terminal and a floating storage and offtake vessel. In 2016, production started from Conwy, an oil field and wellhead platform operated by EOG Resources and tied in to Douglas. As the first third-party field to use the Liverpool Bay infrastructure, Conwy necessitated the introduction of a completely new allocation procedure.

### Solution

Axis was selected as the hydrocarbon accounting system to implement the new Douglas allocation procedure for its flexibility and short time to deploy. In order to achieve the required accuracy of allocation over the wide range of possible production scenarios, ENI decided to run daily process simulations using HYSYS. Adept worked with ENI and other suppliers to implement an efficient and reliable interface between Axis, HYSYS and OsiSoft PI in order to integrate the process simulator into the allocation system.

### Results

The Axis solution was built, deployed and tested on schedule and was in live operation when production from Conwy started in early 2016. The system runs provisional daily and final monthly allocation processes and generates hydrocarbon accounting data for the UK government, ENI and partners.

*"The efficient Axis design enables rapid implementation"*

**AXIS** by adept solutions

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