



## Case Study

# Complex Hydrocarbon Accounting for multi-train Central Processing Facility.

## Sonatrach/Anadarko – El Merk Algeria

### Challenge

Valued at approximately US\$2.3 billion, the El Merk CPF project is considered the 'jewel' of the Algerian desert. The site is operated by Groupement Berkine, a joint venture of Sonatrach and the Anadarko Association (comprising Anadarko, Maersk Oil and Eni) and produces in excess of 100,00 boed. As operator, Groupement Berkine were required to allocate Crude Oil, Condensate, Gas and LPG products between the fields and users of the facility. This required gathering metering and sample analysis data, carrying out a mass component allocation, and handing off results to corporate reporting systems..

### Solution

Groupement Berkine chose the Axis Product Allocation System finding it to be secure, reliable, and flexible enough to implement the complex and highly specific requirements of this application. It was also found to be easy to use, powerful enough to manage large volumes of data, and extensible so that it would meet future requirements.

### Results

The system was delivered successfully in 2012, ahead of first oil in 2013. Engineers from Adept commissioned the system on site in the Algerian desert in September 2013. The system currently allocates approximately 100,000 barrels of oil, 15,000 barrels of condensate, 6,000 barrels of liquefied petroleum gas (LPG) and 160 million standard cubic feet of gas per day. GB have taken advantage of Adept's gold level service which provides ongoing assistance with understanding both the complex allocation algorithms and the operation of the IT system.

*"At last, a hydrocarbon accounting system that delivers exactly what you need, when you need it."*

**AXIS** by adept solutions

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