Introducing 100% accurate hydrocarbon accounting.
Hydrocarbon accounting is the cash register of an operator’s oil and gas business. The accuracy and timeliness of hydrocarbon accounting is essential in order to satisfy joint venture partners, allow operators to make the best commercial decisions, and to fulfil the requirements of the industry regulators. When you consider that even relatively minor errors and delays can ultimately add up to significant financial losses, with the potential for millions of dollars to be removed from your account sheet, its importance becomes all the more evident.

Axis takes raw operational input data such as metering measurements, sample analysis results, forecasts and other input data and processes them in a controlled and repeatable manner to create auditable statements of hydrocarbon allocation that can be reported to stakeholders within the company and outside. Axis is used by oil and gas companies worldwide to accurately, securely, flexibly and efficiently account for production at processing facilities, pipelines and terminals.

“You need 100% assurance that your hydrocarbon accounting is 100% accurate. Axis by Adept Solutions will provide you with that assurance.”
The Axis design methodology – agile customisation of a configurable core product – uniquely enables both a rapid implementation and a one hundred per cent match to your requirements. It provides the production data accuracy and assurance you need with a cost-efficient, flexible solution configured exactly to your specification. Axis has been fundamentally designed to be readily configurable, which means that it is able to meet the unique requirements of many different oil and gas operations. In particular, the Axis data model can be configured to represent any number of different objects – including wells of different types, meters, separators, tanks, pipelines, customers and contracts – and to store their properties and any items of transactional data against them. Axis also provides a configurable method of defining and executing calculations using C# code and Excel spreadsheet templates, and a configurable method of defining reports using SQL Server Reporting Services.
The single source of verified production information.
Axis aids improved production data integrity and enables deeper operational insight. It provides the definitive source of verified production information. This valuable data is securely stored in a highly scalable relational database system. Axis has a sophisticated security model which ensures that data can only be viewed or modified by users with appropriate security permissions enabled. Data integrity is strictly controlled through data locking, approval and auditing processes. Any changes to raw input data will be flagged and will necessarily invalidate any previously derived allocation results.

Axis exposes this data via a range of reporting options. We use industry standard software, processes and proven delivery methodologies to provide an intuitive, configurable strategic-level window on your data.
In today’s environment of shared infrastructure and advanced production techniques, allocating product flows to fields and owners with the necessary level of accuracy can mean implementing highly complex calculations.

Axis has a powerful calculation engine that is specifically designed for allocation processing and can manage large volumes of data and complex mathematical formulae. It comes with a built-in library of industry-standard calculations, including ISO and AGA methods for determining gas properties, COSTALD for liquid density and the Peng-Robinson equation of state for flash vessels. These methods can be used as needed to implement even the most complex allocation procedures.

Axis deploys the latest programming tools and database technologies, combined with a simple and highly effective data model, to deliver truly impressive allocation processing performance. This results in an efficient hydrocarbon accounting solution that allows routine tasks to be carried out quickly and easily with the absolute minimum of fuss.
At last, a hydrocarbon accounting system that delivers exactly what you need, when you need it.

Hydrocarbon accounting covers a range of different needs which vary according to the type of production, processing or storage facility and the commercial and regulatory environment. There are a number of Axis products designed to meet these different needs. The core Axis system is at the heart of all these products and is used as the basis of bespoke solutions, in which it is configured and customised to meet a unique set of requirements.

Axis Production provides a comprehensive solution for production data management. It includes functionality to capture and allocate production volumes to fields, wells and JV partners and also covers areas including production planning, production losses (deferments), sampling and chemical inventories.

Axis Tanker supports tanker scheduling for FPSOs and onshore storage facilities. It predicts tank stocks, generates an optimised schedule of tanker liftings, maintains partner stock balances, carries out monthly reconciliation and generates cargo documents and other reports.

Axis Gas is used to manage the commercial gas process. It gathers nominations, predicts end-of-day deliveries and attributes actual flows to fields and partners according to commercial rules.