

A close-up photograph of a man wearing a red hard hat and safety glasses, looking towards the right. In the background, there are large, curved, metallic industrial pipes. The image is set against a blue sky with a white dotted pattern overlay.

# CASE STUDY

## Automation Drives Hydrocarbon Accounting

*Platform generates forecasts and manages agreements*



A leading integrated oil and gas company used legacy systems for hydrocarbon accounting. Manual reconciliation of hydrocarbon allocation with production systems and databases caused delays and errors. The company partnered with Infosys to replace legacy applications with an integrated Hydrocarbon Accounting (HCA) system.

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## Tracking hydrocarbon

The Infosys team analyzed existing allocation to define functional specifications of the new system. We standardized access to production data, and established consistent processes for revenue accounting as well as allocation management. We also developed a production reporting application using BusinessObjects.

The Infosys HCA system facilitates seamless collaboration between offshore production engineers, gas dispatchers, terminal operators, and the hydrocarbon value realization, commercial, and money market teams. A role-based data protocol provides users with access to relevant data.

We automated the process for hydrocarbon data acquisition, validation, approval, allocation, and accounting. It enables real-time data transfer between the HCA system, production applications, and internal as well as external systems. Significantly, it reduces the total cost of operations for hydrocarbon data management.

## Visibility into the hydrocarbon value chain



Infosys combined technical expertise with program management experience to accelerate the development of the hydrocarbon accounting system. Our global delivery model ensured quick turnaround of requests for production support and application enhancement. Automated rules for data validation enabled smooth data migration.

The Infosys hydrocarbon accounting system replaced spreadsheets with a production accounting and reporting platform. The application automated the allocation process and ensured data integrity. Our data visualization, trend analysis, and reporting tools supplement data mining. In addition, our template-driven solution facilitates onboarding of new assets.

Infosys provides maintenance and support services for the hydrocarbon accounting system of the company.

For more information, contact [askus@infosys.com](mailto:askus@infosys.com)

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