

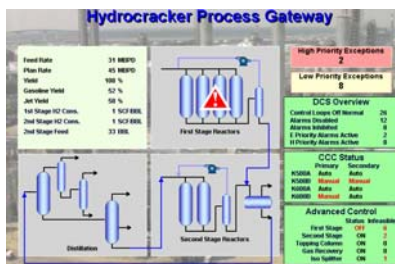
Manufacturing Systems

Selected Case Studies

Global oil major, Europe

Oil refining: production data visualisation

The client required a common view of real-time performance data (KPIs) at all refineries across the globe, in order to drive business process harmonisation within the company. A single user interface presents the process schematics; production, inventory and movement summaries; lost opportunities analysis and key HSE data for everyone within the organisation. The application permits substantial drill-down and analysis for problem identification. Rex works in the central technical team and has led the roll-out of this application to several European refineries.



Global chemical company, Europe & US

Laboratory systems integration

The adoption of a new laboratory system required additional functionality to allow effective integration with a variety of existing laboratory instruments at each site. Rex designed and implemented a generic and reusable custom add-on to support this functionality as it was not provided by the product vendor. Rex also built a "sample results calculation engine" which allows lab staff to maintain complex calculated analyses based on the raw instrument test results.



National Oil Company, Japan

Oil refining: information systems strategy study

2 refineries required a radical upgrade to their information systems to support major business process changes driven by market deregulation. Rex reviewed business requirements, future processes, existing systems, evaluated software and services suppliers and made recommendations on the solution and implementation plan.



Global oil major, Europe

Production accounting and inventory management

Rex implemented a production accounting package and developed additional complex reports e.g. production statements, input/output statements, fuels, utility and feed cost reports.

Global oil major, Europe

Oil refining blend management application

Rex helped to design, develop and implement a blend management application for several European refineries. The application is used to quantify the benefits of best practice blending processes within & across sites. A generic user interface design was used to minimise site specific development. The design proved so cost effective that it was subsequently adopted by the global oil major's US refineries.

Global oil major, Europe

Oil refining production scheduling

Rex reviewed their refinery scheduling strategy and compared their business needs with a number of candidate solutions (existing custom, new custom and leading software packages). The study revealed that the best solution was a leading package, which subsequently became nominated as the company's corporate solution. The refinery is now an early adopter of this package.

About Rex

Rex is an independent Consultant and Systems integrator which delivers supply chain and manufacturing solutions to the global oil and chemical sector. Rex was established in 1983 and is headquartered in the UK. (www.rexprocess.com)

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