

Asia



# Design and Implementation Plan for a Large Integrated National Oil Company's Real-Time Organization

## Challenge

To sustain and increase operational efficiency and productivity of its Oil Field Service delivery, a large integrated national oil company (NOC) in Asia needed a design and implementation plan for a system capable of processing and analyzing real-time data, and conducting remote guidance of on-site operations to reduce safety incidents and assist with engineering decisions.

## Solution

The project's main goal was to design a technological solution, together with the organizational structure and the processes required. This was done by defining critical success factors, and conducting an assessment of the client's current technical, organizational, and process situation. Next, a gap analysis was performed against well-known solutions. With this information, a list of requirements was derived, and a custom solution was designed specifically for the client. The proposed solution was delivered with details spanning from technical requirements for system design, up to the implementation and change management roadmap.

A Halliburton consulting team developed a hybrid organizational model to meet the project's objectives. This design, in turn, established the technological and process requirements to complete the entire design. The proposed system consisted of a four-level solution starting at the company's global headquarters, down through the corporation's regional offices, specialty divisions, and field support staff. People organizational structure, process requirements, and technological design were all defined for each of the four levels.

## Result

- The client was able to gain from Halliburton's vast experience in real-time systems and organizations and drastically reduce the time to design a system from the ground up.
- Halliburton provided a large amount of international experience in these systems, which did not exist in the country.
- A roadmap was provided for not only designing new systems, but also around implementation and associated change management.

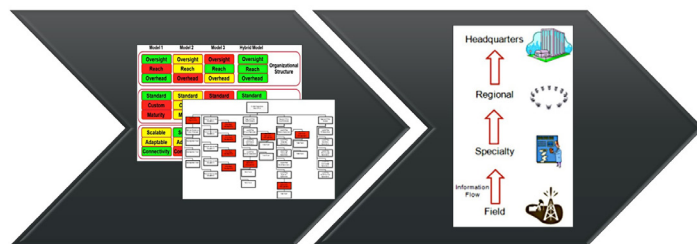


Figure 1: Identified requirements led to custom hybrid system design

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