

Project Monitoring System for **Nam Con Son Gas** **Project of British Petroleum, Vietnam**

The \$1.3-billion Nam Con Son project is Vietnam's largest foreign investment project, with investors being the Vietnam Oil and Gas Corporation (Petro-Vietnam), the UK's BP Group, India's Oil and Natural Gas Company (ONGC Videsh) and the US's Conoco-Philips. Over the past 14 months, the \$1.3 billion Nam Con Son Gas project, operated by BPEOC, has shown outstanding reliability by meeting almost 100 percent the gas nomination of its customers in the Phu My power complex in the southern province of Ba Ria-Vung Tau, the largest power complex in Vietnam so far.



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Business Challenge

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The Project center based in Vietnam needed to update the partners with the latest progress of the project and accordingly plan/reschedule jobs. The Project partners located at various locations required to track progress at the earliest and plan or reschedule further progress with immediate effect. The Project Information was being disseminated through manually printed journals, generated once in a fortnight, and electronic mails. This method of information dissemination involved high costs and delayed the planning process.

To formulate and sustain the operations of this Gas project operating in 7 geographic locations, a project monitoring services were required to help to minimize project risk, controlling costs and providing expert advice on multinational projects. Areas that needed to be covered included

- Permanent milestone monitoring
- Budget control
- Progress Documents management
- Project specialists' onsite

Solution

The monitoring system developed in CSM is based on the very latest commercial enterprise detection and correlation technologies adapted to monitor control networks, providing asset owners with dramatically improved situational awareness. The application has been conceptualized to increase the visibility about the progress of the Project. The objectives were to:

1. Meeting the project team requirements
 - What the project is seeking to achieve - the challenge
 - Who is involved in the project - project organization
 - How the project is being run - the approach
 - Where the project is being run - map of organization
 - Monthly progress reporting - schedules and keys measures see below
 - HSE approach - statistics, slogans, awareness etc.
 - Latest news - highlighting people or project developments
2. Timely process to post Monthly Progress Reports

These contain a variety of information: progress against time schedule, key measures such as procurement status, approvals status, contract awards and progress or "Scurves" current electronic format is a mixture of Excel, Power point & Primavera.
3. BP A common processes and latest technology applied for Web building, including web tools, engines, server instances etc.
4. Simple process for maintenance of the site in the future.

British Petroleum used Virtual Private Network (VPN) as the medium of communication between its partners except one, who was placed beyond the network. An information base within the VPN was set which, contained all the project related data, which was sent from the work sites through a common protocol router shared by the VPN and work site networks. This data was then electronically published in a HTML format and hosted in a web server which enabled easy client access through the TCP/IP network protocol. The information base can contain project data in any format which could automatically be converted to the browser recognizable MIME. This was collaborated with an online communication component, which enabled desktop meetings for the managers to track the project progress and reschedule the tasks. A security system was built into the middle tier to ensure that the data was secure during transaction, for partners outside the VPN network. The security layer was provided through encryption. Such data relating to work progress and technology in the Exploration and Projects is much classified and has a lot of commercial value.

Results

The following benefits will be achieved by implementing the project.

- Bridge the gap between the customer's needs and available products
- Use of cutting edge technology to benefit BOYANIKA
- Delivery of best in class services to customers.
- Increase Online Transaction
- Increase customer's satisfaction
- Increase productivity
- Reduced operating costs
- Efficient Master data maintenance
- Efficient Event Management
- Increase Access control and security
- Facilitates efficient Market Research
- Centralized Control for Managers
- Efficiency in Decision Making
- Increase profitability
- Balance market competition
- Assured return on investment (ROI)
- Increase Brand Value in terms of quality and quantity



At CSM, we understand the critical nature of keeping the customer's organization up and running from an IT perspective. We understand the technical issues within complex systems and work to put together the best solution to support end users' needs, both today and in the future.

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