

CASE STUDY

Sustainability Reporting System for Better Accountability

Global reporting gauges social, environment, health, and safety performance of oil and gas enterprise



A leading oil and gas company involved in exploration and production (E&P) sought to address regulatory compliance by embarking on a major sustainability reporting campaign. The company required a unified package solution to track and maintain activities across environment, health, and safety (EHS) as well as social responsibility programs.

The oil and gas enterprise selected Infosys to implement the sustainability reporting solution. The Infosys team designed a system to address the reporting requirements of internal and external stakeholders as well as to rationalize the operational costs of EHS processes across business units.

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EHS operations excellence

- Waste water and recycle management
- Emissions, air, and water
- Incidents / emergency procedures
- Occupational health / regulations

Corporate social responsibility

- Initiatives
- Monitor expenditure
- Donations / audits

Infosys
Sustainability
Solution



GHG emissions management

- Emission scope (Type 1, 2 and 3)
- Greenhouse gases (six gases)
- Operational data entry
- GHG program management

Green reporting

- Ecological footprint reporting
- Total emission reporting
- Resource use reporting

Set performance milestones

Our team assessed system requirements in terms of features, performance, extensibility, scalability, and maintainability. We designed a customized sustainability reporting application in the absence of a suitable commercial off-the-shelf product. Our application supports incident, waste, and greenhouse gas data management. In addition, it provides visibility into community programs undertaken by the company.

Infosys developed the application using a diverse technology stack comprising Microsoft .NET, SQL Server, SQL Server Reporting Services (SSRS), SQL Server Integration Services (SSIS), and Component-based Scalable Logical Architecture (CSLA) framework. We created multiple interfaces to integrate the sustainability reporting system with application databases for one-click reporting.

Before rolling out the application, we mapped people, processes, and technology with sustainability goals of the oil and gas company. The application simplifies monthly and annual reporting of performance against milestones. It offers flexibility to choose reporting elements and generate ad hoc reports with graphical representation. Significantly, scalability of the system supports future enhancements.

Transcend regulatory compliance



Our sustainability reporting system helps the oil and gas company achieve sustainability goals by –

- Streamlining EHS and social responsibility reporting
- Measuring and monitoring performance across sustainability initiatives
- Making informed decisions to reduce greenhouse gas emissions
- Reducing the operational cost of EHS management by 10%

For more information, contact askus@infosys.com

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