



DigiOil

“Strategy for improving upstream operation results”

From Labor-intensive to Technology-driven Solution

As Oil & Gas Companies are facing stiff challenges like declining oil reserves, difficulty in approaching many potential fields, aggressive production targets, skilled labor shortage, greater cost pressure, safety demands, Environmental protection, unstable demand & supply, etc. L&T InfoTech's 'DigiOil' helps in transforming these traditional labor-intensive down-and-dirty oil operations into a modern technology-driven 'digital oil field'.

DigiOil - Overview

'DigiOil' is a solution for **well lifecycle management**. It improves production optimization through enhanced decision support by helping organization to access and share engineering information remotely and easily. The collaborative environment at the core of DigiOil provides seamless integration of data that can monitor and analyze well life-cycle remotely. This is done by leveraging pool of knowledge available across geographical boundaries. When the well is abandoned after drilling for oil, DigiOil can be used to check the earlier abandoned wells for further availability of oil. DigiOil dashboard offers drilldown from reservoir to well. It provides not only the overview but also monitoring ability and gives the high level management reports on well performance. It also provides operating information which is combined and presented via graphs, KPI's, tables, maps, and composite views. Training time is reduced as users are presented with just the data needed for decision support.

DigiOil's architecture includes TIBCO BW, BE, Spotfire, GI along with home grown components like TIBCO custom SCADA adapter and TIBCO custom Neural Networks adapter. The GUI is fully developed in TIBCO GI and backend is TIBCO BusinessEvents.

TIBCO Products-based Solution

- Market Leading Complex Event Processing Suite to leverage oil well data
- State of the art Integration to facilitate automation
- Wide range of standard adaptors and custom OPC adaptor

Key Highlights

- Role-based Information Access
- Dashboard with Drill-Down Capability
- Advanced Predictive alerts
- Seamless Operating Information Integration
- Intelligent Loop Completion
- Up-to-date Oil Well Performance Reports
- Slicing & Dicing on Reports
- Virtual Rule driven Decision Manager
- Extensible to any Use Case

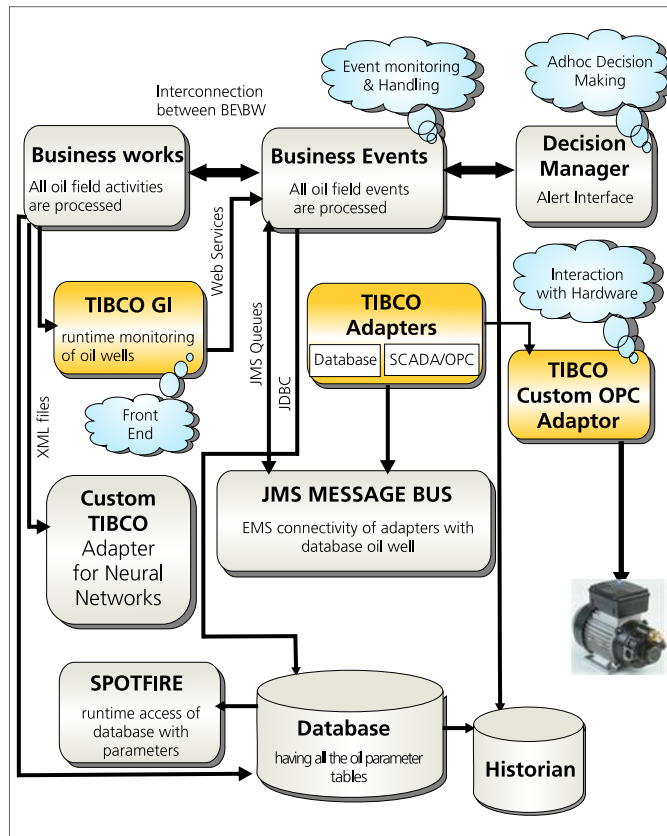
Business Benefits

- Production Optimization
- Remote Collaboration
- Helps to Explore P90 Oil
- Near Real time Monitoring
- Faster decisions
- Remote well Status Management
- Oil Well Kick identification
- Reduced Training time

TIBCO Products Utilized

- BusinessWorks
- BusinessEvents
- TIBCO GI

Components of DigiOil - TIBCO based Solution



L&T Infotech Advantage

We at L&T Infotech believe in becoming the thought partners for our customers, understanding their Business as well as technical needs to provide the most suitable solution. We provide the winning edge to energy and petrochemical companies by enabling them to extract full value from information management and IT systems across the entire value chain. Our parent company, Larsen & Toubro (L&T), has several decades of rich experience across the entire energy and petrochemical value chain. From large-scale, end-to-end projects and system integration, to leveraging emerging technologies for innovative business solutions - we use our deep understanding of the domain to convert IT investments into competitive advantage.

Our advantages include:

- Rich domain experience derived from our parent company, Larsen & Toubro
- A wide spectrum of technology and domain partnerships
- Service offerings across the value chain

About L&T Infotech

L&T Infotech, one of the fastest growing IT Services companies, is ranked by NASSCOM as 8th largest Indian software & services exporter from India and is amongst NASSCOM's Top 20 IT-BPO Employers in India (FY2009-10). It is also ranked 7th in DATAQUEST-IDC top 20 IT Best Employers Survey 2010. A wholly-owned subsidiary of Larsen & Toubro, a US\$ 11.7 billion engineering, manufacturing & financial services organization with global operations, L&T Infotech is differentiated by its unique Business-to-IT Connect, which is a result of its rich corporate heritage.

We offer comprehensive, end-to-end software solutions and services in the following industry verticals: Banking & Financial Services; Insurance; Energy & Petrochemicals;

Manufacturing (Consumer Packaged Goods/Retail, High-tech, Industrial Products, Automotive), and Product Engineering Services (Telecom). Our new emerging verticals include Media & Entertainment and Life sciences & Healthcare. We also deliver business solutions to our clients in the following horizontals / service lines: SAP, Oracle, Infrastructure Management Services, Testing, Consulting and Business Process Services. Our other service offerings are: Business Intelligence/Data Warehousing, Legacy Modernization, Applications Outsourcing, Architecture Consulting, Enterprise Integration, Service Oriented Architecture, Systems Integration and PLM.

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