

OIL AND GAS: EXPLORING POSSIBILITIES



WIPRO LIMITED



74 development centers, over **950** active clients and over **150,000** employees in **6** continents



50+ Centers of Excellence to develop domain-specific frameworks and solutions



IDC Energy Insights MarketScape ranked Wipro among the top **4** vendor firms, 2014



Seven awards, including Best Managed IT Services and Best System Integrator in the CIO Choice Awards 2015



Ranked **8th** in the Best Companies for Leaders 2015 list in a study conducted by Chally Group in partnership with Chief Executive magazine



Recognized as a best-in-class outsourcing and consulting service provider for 2014 by 'Consumer Goods Technology' Readers



The world's first People Capability Maturity Model (PCMM) and Capability Maturity Model Integration (CMMI) level **5** company



The first company outside the USA to receive the Institute of Electrical and Electronics Engineers Software Process Award



OUR OIL AND GAS SERVICES RESULT IN BUSINESS IMPACT TO CUSTOMERS

This selection from our case study library offers insights into the range of our services in the oil and gas industry and our focus on business value through technology.

- **Digital Oil Fields**

Wipro's integrated operations (IO) assessment for an upstream business, prioritized opportunities and created a vision and roadmap for a comprehensive, customized IO program. The client acted on our recommendations, saw measurable benefits in its first IO initiative, and continues to expand and develop the program according to the assessment direction.

- **Production Data Management System (PDMS) Implementation**

We designed, configured and deployed the PDMS for a multinational oil and gas operator. This enabled scalability for large data volumes, established a generic allocation process, and incorporated auditability. Project design details were fed into a separate Global Template initiative in order to apply business value across the enterprise.

- **Capital Projects Information Management IT Document Control Center**

Wipro carried out a global managed service on behalf of an operator to validate and verify project and engineering documents for completeness, adherence to standards and compliance to ensure the quality of information.

- **Global Marine Assurance System (GMAS)**

We consolidated disparate systems and created a flexible, rules-driven solution aligned with the changing business models of maritime operation. The GMAS ensures regulatory compliance and manages maritime risk with respect to cargo, support personnel, transport vessels, ports, berths and voyages.

- **Cloud Services Integration**

We delivered a framework that included processes, services and tools to enable enterprise adoption of public cloud services such as Amazon Web Services, Azure, Force.com and Software-as-a-Service applications for various enterprise use cases.

- **Collaborative Environments**

Wipro engaged with the client to establish a central delivery team and a global delivery methodology for implementing workflow-driven collaborative environments in a multi-year program, involving process, organizational, technology, data and facility elements. The environments have enabled multi-discipline asset teams to accelerate decision making and achieve significant productivity improvements and cost savings.

- **Integration Services**

Wipro set up competency centers to deliver oil and gas domain-centric integration services for petro-technical applications and real-time systems. We also delivered global end-to-end managed services, including development, deployment and operations, for integration of enterprise systems.

- **Facility Security Services**

Our team rationalized the client's disparate systems for physical access control and security, and deployed a standardized set of common tools across various sites to reduce complexity and increase security.

- **Global Delivery of OSIsoft PI System Services**

Wipro's PI System experts standardized processes across 24 refinery sites, helping the client realize significant cost savings and improved business continuity, reliability and quality of service.



HELPING OIL AND GAS COMPANIES DO BUSINESS BETTER

Wipro works with companies to deliver outcomes underscored by process transformation, technology excellence and organizational change, with the objective of helping companies achieve business targets and operational goals:

- **Comprehensive Integrated Refining**

Wipro helped a large greenfield, Mideast petrochemical and refining company through a successful startup, with a 'big bang' implementation of an integrated refinery information system. The scope included SAP for Hydrocarbon Supply Chain Management and Health, Safety and Environment; OSIsoft PI; Microsoft SharePoint-based custom applications to manage blend performance and product specifications; an operations dashboard and a refinery target board. The efforts included systems integration for seamless interaction across several refinery manufacturing execution systems and business applications, and organizational change management.

- **Results-driven Collaboration**

Assisted a major oil company who is now managing 60% of upstream production through 100+ environments supporting brownfield and greenfield assets. As per an industry white paper, "collaborative environments have contributed to production gains of 1 to 5%, availability gains of 1 to 5% and have created value in the order of \$5-10 million per asset yearly."

- **Rig Mobility at Speed**

In an unconventional drilling field, supported a client's high bandwidth network connectivity, accelerating the activation of field communications; rig movements were supported in as little as 10 minutes from the establishment of power.

WIPRO'S ENERGY ORGANIZATION

- We work in partnership with **6** of the top **10** global oil and gas companies
- Our projects span **40+** oil and gas companies around the world
- Our personnel are localized, from Oman to Alaska to Kazakhstan and beyond
- We have longevity including **12+** years of engagement with **3** super major oil and gas companies and **1** oil field services company
- Our thought leaders have published **100+** papers about trending topics in the oil and gas industry
- We focus on innovation and business value with **400+** oil and gas domain consultants and **4000+** IT staff with oil and gas experience



OFFERINGS ACROSS THE OIL AND GAS VALUE CHAIN

Upstream - Exploration & Production

- Exploration & Subsurface Data Management
- Drilling, Completions & Wells
- Production Optimization
- Hydrocarbon Accounting & Production Reporting
- Exploration & Production Process Improvement
- Integrated Operations
- Collaborative Services
- Real-Time Data Management
- Enterprise Asset Management
- Engineering Information Management
- Capital Projects
- Environment, Health & Safety
- Energy Trading & Risk Management

Health, Safety, Security and Environment (HSSE) Management

- Risk Management
- People & Assets
- Incident Management
- Environmental Risk Management
- Physical Security
- Energy Management
- Regulatory and Compliance

Energy Trading and Risk Management (ETRM)

- Advanced Market Analytics & Asset Optimization
- Custom Development for Bio-Fuel Fuel Trader
- Unified Trading Front Office
- Trading Application Support & Maintenance
- Trading Back Office Business Process Outsourcing
- Testing as Managed Services
- ETRM Application Rationalization & Transformation
- ETRM New Implementation & Upgrades
- ETRM Product Selection

Midstream and Downstream

- Integrated Plant Information Management (Refinery, Petrochem)
- Integrated Supply Chain Management
- Manufacturing Execution Systems
- Intelligent Manufacturing
- Real-Time Data Management
- Integrated Asset Management
- Enterprise Asset Management
- Asset Information Visualization/Engineering Information Management
- Retail and Terminal Automation
- Scheduling Optimization
- Primary and Secondary Distribution Optimization
- Marketing and Customer Value Management
- IT Front-end Engineering Design Services for Greenfield Capital Projects



Wipro acts as a “transformation catalyst” by enabling business results. In addition to providing services specific to the oil and gas domain, Wipro offers an integrated portfolio of technology and information services.

KEY IT SERVICES

Enterprise Technology

- Cloud Services
- Mobility
- Social Media
- Portals, Web Services
- Enterprise Security

Analytics

- Information Management
- Enterprise Information Architecture
- Business Intelligence
- Reporting and Dashboards
- Knowledge Services

Business Process Outsourcing

- Customer Service
- Finance and Accounts
- Human Resources
- Knowledge Processes
- Order Management
- Procurement
- Technical Support

Transformation

- Business & Technology Consulting
- Package Implementation
- Enterprise Architecture
- Enterprise Business Integration
- Process Excellence

Infrastructure Services

- Business Advisory
- Data Centers
- End-user Computing
- Global System Integration
- Network Services

Application Development and Maintenance

- Custom Development
- Support and Maintenance
- Application Rationalization
- Legacy Modernization
- Testing

HELPING CUSTOMERS DO BUSINESS BETTER ACROSS THE GLOBE



WE HELP YOU DO BUSINESS BETTER BY

- Managing business uncertainties through effective use of technology
- Controlling and reducing inefficiencies and costs
- Improving performance and operational effectiveness
- Helping you effectively utilize skilled resources
- Increasing predictability in productivity and profitability
- Ensuring that you stay relevant and get ahead in a rapidly changing technology landscape



About Wipro's Energy Business

We serve the oil & gas industry as part of Wipro's Energy, Natural Resources and Utilities strategic business unit. We help oil & gas customers do business better through our domain-specific, upstream and downstream solutions, which can effectively collect data from oil wells to retail outlets, integrate different parts of value chain to increase transparency, and finally provide tools and solutions to effectively analyze data. Wipro works with 6 of the top 10 global oil & gas companies and has over 12 years of engagement with 3 of the SuperMajors. We have over 400 dedicated domain consultants, over 4000 IT staff with oil & gas experience, along with solutions and frameworks; all serving businesses in the oil & gas sector. In 2011, Wipro acquired SAIC's Global oil & gas business unit, reinforcing its focus on this industry. We understand oil & gas, to help you do business better.

About Wipro Ltd.

Wipro Ltd. (NYSE:WIT) is a leading Information Technology, Consulting and Business Process Services company that delivers solutions to enable its clients do business better. Wipro delivers winning business outcomes through its deep industry experience and a 360 degree view of "Business through Technology" - helping clients create successful and adaptive businesses. A company recognized globally for its comprehensive portfolio of services, a practitioner's approach to delivering innovation, and an organization wide commitment to sustainability, Wipro has a workforce of over 150,000, serving clients in 175+ cities across 6 continents.

For more information, please visit www.wipro.com

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DO BUSINESS BETTER

CONSULTING | SYSTEM INTEGRATION | BUSINESS PROCESS SERVICES

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