

ENGINEERING & CONSTRUCTION: TECHNOLOGY PARTNER FOR TOMORROW'S INFRASTRUCTURE



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The growth story of Engineering & Construction industry has been interrupted due to the recent turmoil in global economic climate. However, the outlook for the industry remains positive due to increasing urbanization and infrastructure needs in the emerging markets, which will fuel the future capital investments. Also, resurgence of the manufacturing industry in the US, led by large scale shale gas discoveries will increase the capital expenditure in the US.

Engineering & Construction, already a low margin industry, continues to face challenges to maintain profits due to increased competition, volatile material prices, skill shortages, shorter turn around time for projects and digital handover requirements. The industry is increasingly adopting new technologies to address these challenges, improve efficiencies and meet customer expectations.



WHY WIPRO

- Global E&C practice and teams, present in all key hubs
- Unique differentiated solutions catering to the business needs of E&C customers
- Integrated capabilities across IT with solutions that produce positive business outcomes
- Strength of industry partnerships coupled with sound delivery track record
- Domain centric E&C and Health and Safety practices

HOW WIPRO CAN HELP ENGINEERING & CONSTRUCTION COMPANIES

Wipro assists Engineering & Construction companies to achieve global and integrated project execution with increased efficiency and higher visibility across their projects. Our domain specific solutions around Integrated Project Management and HSE helps Engineering & Construction companies to lower their risks while ensuring better cost control and improved margins. Our strong experience of working with global majors across Oil & Gas, Mining and Utilities enables us to assist Engineering & Construction Companies in meeting owner's expectations during capital project execution. Our next-generation Cloud and Mobility based solutions help Engineering & Construction companies to automate site activities and facilitate a highly collaborative work environment.

In addition to the industry specific solutions, our Transformational Enterprise Solutions and Shared Services offerings around Procurement, Finance & Accounting, and HR can help bring process improvements and standardization with lowered operating costs and added efficiencies.



Wipro's Engineering & Construction business unit focuses on following sectors:



Oil & Gas



Mining



Power



Utilities



Water & Waste



Buildings



Transportation



Manufacturing

ENGINEERING & CONSTRUCTION – DOMAIN SPECIFIC IT SOLUTIONS

Benefits



Joint Engagement Solutions

- MES Systems • Plant/Building Automation Systems
- Operational Systems Integration
- Plant IT & Telecom Infrastructure

Partner for Plant IT and
Operational Systems



Airports, Ports & Smart Cities

- Airport Operations System Management (Terminal Side)
- Systems Integration for Airports & Ports
- End-To-End IT & Communication Infrastructure

Improved competitiveness through
customer centric, cost effective IT
solutions and Services



Owner/Operator - EPC Handover & Integration

- Engineering Data Management
- Handover Enablement
- ISO 15926 based Interoperability Solutions

Enabling structured handover and
standards based interoperability



Human Capital Management Solutions

- Workforce Management • HR Shared Services
- Time Capture & Management
- HR Transformation • Talent Management
- Global Payroll

Manage global
workforce centrally



Health, Safety, Environment & Risk Management

- Occupational Health & Safety
- Regulatory Compliance
- Sustainability
- Risk Management

Minimize Risk,
Maximize Safety



Benefits

Engineering Services

- CAD, CAM, Analysis (Electrical, Civil/Structural, Piping)
- Engineering Systems Integration
- Drafting Services • Engineering Data Management

High value engineering partner enabling 24X7 global execution



Procurement, F&A, HR

- Shared Services • Strategic Sourcing Support
- Vendor Coordination • Procurement Analytics
- Finance & Accounting Services

Improved cost efficiency through Shared Services and Global Sourcing support



Next-Generation Solutions

- Multi-site Collaboration Rooms
- Mobility & RFID • Cloud Solutions
- Remote Management of Assets

Transformation through innovation



Project Controls Solutions & Services

- Planning & Scheduling • Project Cost Control
- Progress & Performance Monitoring
- Risk Management

Enabling integrated project execution



Construction Domain Solutions

- Equipment & Asset Tracking
- Welding & Fabrication Management
- Construction Management • Yard Management

Enabling automation at construction site





CONSULTING & IT SERVICES

BUSINESS & IT CONSULTING

- Business Transformation Services
- Process Excellence
- Enterprise Architecture
- Governance, Risk and Compliance

APPLICATION SERVICES & OUTSOURCING

- ERP Solutions (SAP, Oracle & Others)
- Document Management & Collaboration
- Enterprise Integration
- Enterprise Security Solutions
- Application Development & Maintenance
- Assurance Services

INTEGRATED SERVICE OFFERINGS

- Wipro's core offerings span across the Engineering and IT landscape

INFRASTRUCTURE

- Datacenter operations
- IT Helpdesk
- End-user computing
- Security
- Network operations
- Voice, video & convergence

ANALYTICS & INFORMATION MANAGEMENT

- Business Analytics
- Business Intelligence & Performance Management
- Information Management

SUCCESS STORIES

IT & Telecom Infrastructure for one of the World's largest Petrochemical Plants in making

- Main IT Systems Integrator for Base IT, Plant IT & Telecom Infrastructure
- Responsible for Procurement, Construction, Pre-Commissioning, Commissioning Performance Testing and Hand over

Multi-year managed services for a leading Engineering Services company

- Multi-year Managed Services for Service Desk, Infra and Application Services across Australia, New Zealand, US, Middle East & India. Achieved productivity improvement by more than 15%

IT Systems Integrator & IT partner for a leading EPC company

- IT Systems Integrator & client's IT partner for technical co-ordination with advanced system vendors, Main Automation Contractor (MAC) and Customer
- Integrated Factory (IFAT) and Site Acceptance (ISAT) testing for advanced systems deployed in the FLNG

Delivering E-Lifestyle experience for a state-of-the-art Hill City

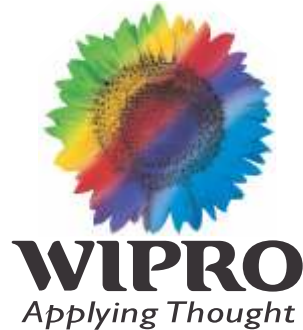
Turnkey implementation of Digital lifestyle solutions including:

- City wide Information & Communication infrastructure
- Voice Data & Video services
- Entertainment Solutions
- City Surveillance & Security
- Lifestyle Automation

FIATECH ASSOCIATION



Wipro is a Fiotech member organization and is collaborating with other member EPCs and Owner organizations to address key industry challenges. Our association with Fiotech gives us unique advantage and insight into the wealth of information and trends in the Engineering & Construction industry.



About Wipro's Engineering & Construction Business

We serve the Engineering & Construction industry as part of Wipro's Energy, Natural Resources and Utilities strategic business unit. We work with global Engineering & Construction companies operating across various sectors including Oil & Gas, Mining, Utilities, Airports, Ports, Transportation and Manufacturing. You can benefit from our deep understanding of the Engineering & Construction industry and their end customers, and this enables us to provide domain solutions that address your key challenges and needs. We leverage our industry domain expertise, coupled with newer technologies on collaboration, mobility, analytics and cloud to help companies improve operational efficiency, information visibility, workforce productivity and data interoperability. Apart from working closely with Engineering & Construction companies for their needs, we also partner with them to deliver Operational Systems Integration, IT Infrastructure and Plant Automation solutions to their customers. Our Next Generation Global Delivery Model enables global execution of capital projects through our presence in 30+ countries across North America, South America, Europe, Middle East, Africa, Asia and Australia. We understand Engineering & Construction, to help you do business better.

About Wipro Ltd.

Wipro Ltd. (NYSE:WIT) is a leading Information Technology, Consulting and Outsourcing 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 140,000 serving clients across 61 countries.

For more information, please visit www.wipro.com

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DO BUSINESS BETTER

NYSE:WIT | OVER 140,000 EMPLOYEES | 61 COUNTRIES

CONSULTING | SYSTEM INTEGRATION | OUTSOURCING

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