

# POWERING THE FUTURE OF OIL & GAS WITH INFOSYS AND ORACLE



**Infosys**  
Navigate your next

Infosys and Oracle help Oil & Gas enterprises modernize the digital core with AI, cloud, and end-to-end Oracle transformation—improving visibility, accelerating decisions, and delivering measurable outcomes across the value chain.

## The Case for Oil & Gas Transformation

Oil & Gas enterprises face commodity-price volatility, aging assets, compliance and emissions pressure, cybersecurity risk, supply chain complexity, and workforce constraints—all while being expected to improve reliability, safety, and capital efficiency.

Legacy systems and siloed operations slow planning, limit visibility, and make it harder to scale automation, AI, and data-driven decision-making.

**The priority is no longer transformation for transformation's sake—it is modernization that delivers resilience, agility, operational intelligence, and measurable business value.**

Infosys and Oracle combine industry knowledge, Oracle Cloud, data, and AI to help modernize operations across upstream, midstream, and downstream.

## Industry Challenges

- Commodity-price volatility, shifting demand patterns, and margin pressure across the value chain
- Aging, asset-intensive operations with rising maintenance costs and unplanned downtime risk
- Fragmented legacy systems and siloed data across exploration, production, refining, and distribution
- Limited end-to-end visibility across inventory, materials, logistics, and supply chain performance
- Increasing regulatory scrutiny, emissions reporting obligations, methane management, and ESG compliance requirements
- Workforce availability, field safety, cybersecurity, and remote operations challenges in complex operating environments

## Why Infosys + Oracle

Infosys and Oracle help Oil & Gas enterprises modernize faster by combining Oracle Cloud applications and industry platforms with deep transformation experience, AI-first innovation, and proven delivery capabilities.

Deep Oracle and energy-industry expertise across finance, supply chain, asset operations, and field processes

Cloud, data, and integration capabilities that improve visibility across operations, inventory, logistics, and planning

Accelerated modernization with Infosys Cobalt, Oracle Cloud, and proven delivery assets

AI-enabled operations with Infosys Topaz and Oracle AI to strengthen decisions, automation, and resilience

## Oracle-Led Solutions for Oil & Gas

### Supply Chain & Asset Operations (SCM)

Improve materials, inventory, logistics, and asset visibility to support predictive maintenance and resilient operations.

### Customer & Revenue Management (CX)

Support more responsive commercial operations, service interactions, and emerging customer models.

### Data, AI & Analytics

Enable forecasting, operational intelligence, AI-driven recommendations, and faster decisions across the value chain.



### Enterprise Transformation (ERP & EPM)

Modernize finance with connected planning, faster close, capital visibility, and audit-ready reporting.

### Project & EPC Solutions

Manage EPC and capital programs with tighter cost control, contract visibility, and performance insight.

### Human Capital Management (HCM)

Strengthen workforce planning, field scheduling, skills visibility, and employee experience.

## Oracle Cloud Platforms Powered by Infosys

- Connected Oracle Cloud applications across ERP, SCM, EPM, HCM, and CX to modernize the digital core
- Oracle Integration Cloud, implemented with Infosys integration frameworks, to connect legacy and cloud environments with greater speed, standardization, and resilience
- Oracle analytics, data, and AI services to unify data and improve insight generation

## Infosys Accelerators for Faster Value

- Infosys Cobalt provides cloud assets, reference architectures, and proven transformation approaches to accelerate Oracle-led modernization and improve time to value
- Frameworks for migration, integration, testing, and enablement that reduce delivery risk
- Reusable assets that compress timelines and accelerate business value



## Why Infosys for Oracle Transformation in Oil & Gas

### Deep Industry and Oracle Expertise

- Strong experience helping complex enterprises modernize core business platforms, operational processes, and digital foundations with Oracle
- Ability to connect domain understanding with Oracle Cloud transformation across finance, supply chain, asset-intensive operations, and workforce processes
- End-to-end capabilities spanning consulting, implementation, integration, data modernization, and managed services for sustained transformation value

### AI-First, Cloud-Connected Innovation

- Infosys Topaz brings AI-first capabilities to help enterprises automate workflows, improve insight generation, and enhance operational decision-making
- Infosys Cobalt and Oracle Cloud create a resilient digital foundation for modernization, data unification, and scalable business transformation
- A focus on responsible, outcome-oriented innovation helps move from experimentation to enterprise-scale transformation and continuous optimization

### Accelerated, Lower-Risk Transformation

- Prebuilt methods, reusable assets, and Oracle-focused accelerators help shorten transformation cycles and improve delivery consistency
- Phased, business-aligned execution models help reduce disruption, manage complexity, and support change adoption across large organizations
- A value-led approach keeps the focus on measurable business outcomes, resilience, and continuous improvement beyond go-live



## Next-Generation Oracle Managed Services

*From reactive support to intelligent, always-on operations*

### Next-generation managed services with AI, automation, and continuous optimization:

- Predict and prevent issues earlier through data-driven monitoring and intelligent operations
- Accelerate issue resolution with automation, root-cause insight, and standardized service processes
- Continuously optimize application performance, service quality, and run costs across the Oracle landscape

### Business Impact

- Lower run costs through automation, standardization, and smarter support models
- Fewer incidents and faster response with more proactive, intelligent service operations
- Improved business agility through continuous enhancement and faster process support

## Oil & Gas Use Cases

### Upstream (Exploration & Drilling)

- AI-enabled drilling and well-performance optimization using Oracle Data & AI, EPM, and ERP for faster field decisions, production forecasting, and capital alignment
- Remote materials, inventory, and logistics visibility enabled by Oracle SCM and ERP to support rig, field, and maintenance operations
- Predictive maintenance and condition monitoring powered by Oracle SCM, ERP, and Data & AI to reduce downtime and extend asset life

### Midstream (Transportation & Storage)

- Pipeline integrity monitoring, anomaly detection, and logistics optimization using Oracle Data & AI, SCM, and ERP across transport networks
- Integrated control towers for storage, terminal, and inventory visibility with Oracle SCM, ERP, and Analytics capabilities
- Contract, compliance, and risk management supported by Oracle ERP, EPM, and Data & AI for transportation and storage operations

### Downstream (Refining & Distribution)

- Refinery planning, turnaround management, and maintenance optimization with Oracle EPM, SCM, ERP, and Data & AI for reliability and margin performance
- Demand forecasting, network planning, and inventory optimization using Oracle EPM, SCM, and ERP across terminals and fuel distribution
- Digital customer and retail experience transformation powered by Oracle CX, ERP, and Data & AI across service stations, loyalty, and commercial channels

## Representative Transformation Impact

Optimized inventory and materials visibility to unlock significant working-capital and cost efficiencies

Enabled digital platforms that support new service models, ecosystem connectivity, and business-model innovation

Scaled automation and process transformation programs to improve efficiency, control, and cost performance

Modernized workforce and employee experience processes through integrated digital HR transformation

## Business Outcomes

Higher operational efficiency across upstream, midstream, and downstream processes

Lower asset downtime and more efficient maintenance operations

Greater supply chain visibility and improved inventory performance

Faster close cycles and stronger enterprise reporting accuracy

Stronger compliance, sustainability reporting, and emissions visibility

A scalable digital foundation for modernization and energy-transition readiness



# Let's Transform Oil & Gas Together

## Infosys Oracle Energy Practice

From strategy and implementation to modernization and managed services, Infosys helps Oil & Gas enterprises unlock more value from Oracle with AI-first, cloud-connected transformation.

### Contact Us

Discover how Infosys and Oracle can help accelerate your Oil & Gas transformation journey.



For more information, contact [askus@infosys.com](mailto:askus@infosys.com)



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