Infosys®
Navigate your next

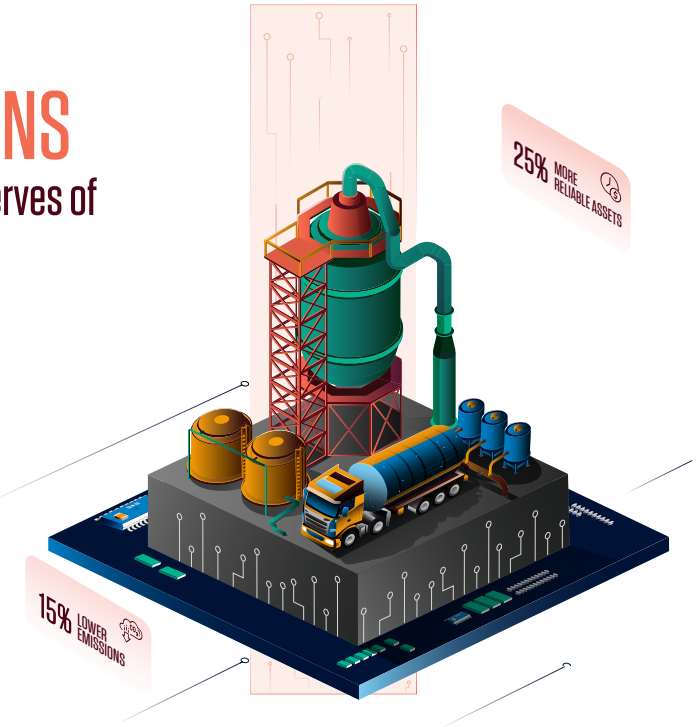
Asset.AI

SMARTER OPERATIONS

Fuelling new reserves of efficiency

1 in 3 energy firms expect GenAI to boost operational efficiency and automation

– Infosys Generative AI Radar



Challenges

Asset failures
leading to unexpected downtime

Underperforming equipment
causing delays and higher OPEX

Inefficient systems
contributing to elevated emissions

Opportunities

Intelligent assets
for smarter operations

Predictive maintenance
to reduce unplanned downtime

Machine vision
enabling real-time leak detection

Solutions and Benefits

AI-powered performance monitoring
Higher reliability of pumps, compressors, and vessels

Predictive maintenance systems
Reduced failures, better uptime

Flare optimization algorithms
Lower emissions, regulatory compliance

Client Successes

Improved productivity for a global engineering services provider
Tagged LIDAR scan data for digital twin accuracy using object detection models

AI-powered document search for a leading oilfield service firm
Enabled GPT-4 based natural language query for 10,000+ ops documents

40+ years of engineering docs digitized for a global energy major
Achieved higher accuracy and workflow enablement via AI-based classification

External Document @ 2025 Infosys Limited