Infosys®
Navigate your next

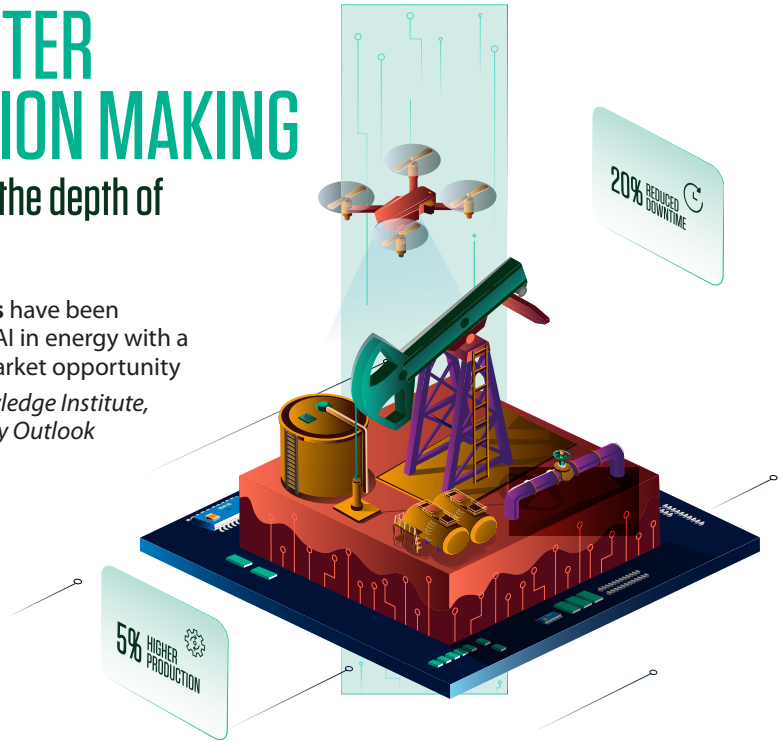
Insight.AI

SMARTER DECISION MAKING

Unlocking the depth of operations

50+ use cases have been identified for AI in energy with a substantial market opportunity

– Infosys Knowledge Institute, Energy Industry Outlook



Challenges

Unplanned deferrals
impacting production targets

Inaccurate forecasts
limiting proactive decisions

Geological uncertainties
leading to drilling surprises

Opportunities

Well Optimization
for improved production performance

Drilling Autonomy
to reduce operational surprises

Autonomous Well Control
enabling faster, data-driven responses

Solutions and Benefits

Sensor data analytics and visualization
Greater visibility into production operations

ML-driven production forecasting
More accurate predictions, fewer deferrals

Model tuning based on test data
Optimized wells and network performance

Client Successes

Enabling safety and productivity
for a global energy supermajor AI-powered extraction of shallow hazard data using custom ML models

Enhanced insight for geotechnical teams
at a European energy major Borehole data analysis automated with Azure ML & NLP pipelines

$6M savings through contract analysis
for a global energy leader AI-driven invoice validation from complex contracts via computer vision

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