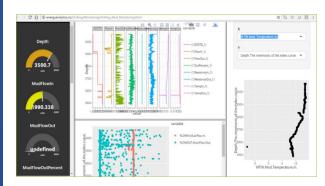


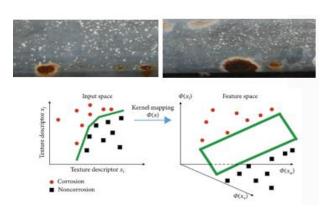
Key Engagements

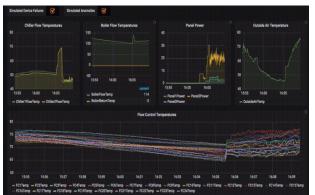
- Upstream Data Analytics -Solution built for an Oil Field Service Provider for facies classification
- Monitoring Well Integrity -Solution built for an E&P major in Middle East to predict well integrity incidents
- Integrated Oil Fields -Solution built for an E&P Operator as part of an accelerator program for integrated NPT analytics
- Refinery Plant's Alerts & Events Forecasting -Designed a solution using MS Azure to analyze streaming data from a Process Historian
- Refinery Incidents Analyzer -Solution delivered as an Al driven model based on the refinery incident model

Business Impact

- Improves operational performance by comparing patterns across sites
- Enhances local reporting and decision making
- ✓ Enhances real-time analytics at the site level
- Provides a unified view of data from multiple sources structured, semi-structured and unstructured
- Improves asset monitoring by analysis of incidents
- Monitors and predicts asset integrity across the energy value chain







Upstream (Remote Operations) Real-time Analytics for Offshore Fields

- Well Logging/LAS (Depth Based) Interfacing with MWD/LWD Tools, Batch Mode Visualization & Analytics
- Drilling/WITS0 (Depth Based/Time Series) -Interfacing with WITS OPC Server; Real-time + Batch Mode Visualization & Analytics
- Production/Telemetry (Time Series Interfacing with OSI PI Historian) - Real-time + Batch Mode Visualization & Analytics

Midstream (Predictive Maintenance) Pipeline 360/Integrity Analytics

- Improve pipeline monitoring by analysis of incidents and surveyed images (with labels in place)
- Apply predictive as well as prescriptive analytics in a cognitive platform
- Understand the correlation and relationship between various reported events
- Showcase the health of pipelines and take necessary action in case of discrepancies from data analyzed from past incidents
- Generate Risks Scoring against a pipeline section

Downstream (HSE/Safety) Refinery Plant's Alerts & Events Forecasting

- Measure, Predict and Benchmark datasets from real time energy consumption
- Predict future possible alerts and events by generating alerts for any abnormality from past A&E datasets and benchmarks laid out by OEM vendors
- Generate variance reports on actuals, predicted and planned against the heat/energy consumption at an asset level
- Improve regulatory compliance by integrating RPA bots to do process monitoring & manage escalations
- Solution also supports for 3D and AR (Augmented Reality) models



Key Accelerators

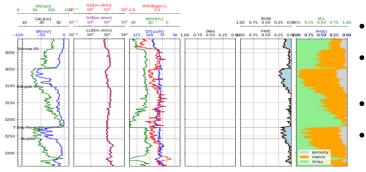
- Deep Learning for Prediction on Seismic Datasets
- ✓ Oil and Gas Production Analysis
- ✓ Asset Performance / Failure Analysis
- ✓ Pipeline Incidents Data Modelling
- ✓ Information Management for Capital Projects
- ✓ Blockchain enabled Crude Oil Trading

Design Led Transformation

- "Systems Thinking" that is critical in delivering Business Performance Metrics
- Specialists have experiential knowledge in multiple technology transformations across domains
- Integrated solutions leveraging engineering and advances in IT – led by Design Thinking
- Domain knowledge in successfully applying these emerging technologies to solve business problems
- Deliver high value-added, fast, and cost-effective projects

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Interpretation Plot



Engagement Model

- On demand services partner OPEX mode of technology transformation
- Lower TCO by adopting Public Cloud, Open Source, Rapid Application Development (RAD)
- Act as customer's extended technical R&D labs
- Partnership with SAP, IBM, Microsoft, Google & AWS



Consulting +
Technology solutions
team from Fortune
500 and Tier 1
IT/ITES Firms





Design Thinking and Change Management at the core of any proposed solution Leveraging lowcode/no-code platforms for MVPs as part of our engagements



Risk Controls (IoT Enabled Predictive Models)

Consulting Focus Areas

- Strategic Planning Design Use-cases, technical and domain related Market Research, Open Innovation, agile R&D
- Operations Management Drive Business Transformation, Program Management, Metrics Management/Business Performance
- Technology Transformation Develop Domain Solutions Prototyping, Applied Analytics, Remote Monitoring, Risk Management in select verticals.
- Digital Platform Alliances Discover industry alignment to post covid-19 era, sustainability goals and Industry 4.0+ demands by building a responsive Digital Ecosystem.

