AI Copilot for Oil & Gas Operations

Automated and scalable time series AI for reliable operational monitoring

Avoid disruptions *before* they impact production

**Timely, understandable alerts**
Discover and understand operational anomalies as they occur

**Rapid time to action**
Resolve issues in a timely manner using root cause explanations

**Effortless activation & scale**
Operationalize and expand with minimal resources, time, and effort

Benefits across Oil & Gas value streams

<table>
<thead>
<tr>
<th>Problem</th>
<th>Solution</th>
<th>Benefit</th>
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<tbody>
<tr>
<td><strong>Operations Monitoring</strong></td>
<td>Existing rules-based systems do not provide complete visibility of operational integrity to remote monitoring centers</td>
<td>Remote monitoring at scale (~ $10^6$ signals), proactively act on anomalies and plan downstream actions</td>
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<tr>
<td><strong>Predictive Maintenance</strong></td>
<td>Establish direct connections to well and production data sources. Automatically receive AI analysis alerts for conditions that may impact operations.</td>
<td>Production loss from unplanned slowdowns or component failures</td>
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<td><strong>Emissions Compliance</strong></td>
<td>Failure of flaring assets could lead to toxic gases discharged into atmosphere</td>
<td>Remotely monitor flaring conditions and identify precursors leading to component failures</td>
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“Our LNG fleet operations generate a lot of data and we needed a solution that could scale across multiple use cases and asset types. Falkonry enabled us to optimize maintenance, avoid downtime and expedite repair.”

*VP of Information Technology & CIO*
*Offshore Oil and Gas Production Company*
Falkonry Time Series AI Platform is data-ready, no setup required

Case study: Real-time Equipment Health Monitoring

Compressor fails

Insufficient warning

Production loss and delayed recovery

Monitor: 50+ time series signals from **multiple stages** of gas compression

Observe: Discover the onset of compressor degradation **4 months in advance**

Act: Get alerts about increased vibration patterns **9 days prior** to rotor failure

- Unattended AI: No setup and manual data analysis effort
- Reliable smart alerts build trust in the AI detection
- Built for scale: 0 to 10^6 live signal monitoring in less than 2 weeks
- Time to value in < 6 months

**9 DAYS ADVANCE**
**ACTIONABLE DETECTION**

**$300,000 PER INCIDENT DOWNTIME REDUCTION**

Tell us your challenge, we’re here to help: Let’s Talk