

HCLSoftware

HCL iControl

Business Flow Observability Solution
for Oil & Gas



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Understanding the Oil & Gas Industry Trends

The Oil and Gas (O&G) industry is going through unprecedented times with plummeting demand and low oil and gas prices, creating a challenging environment for operators. Organizations are renewing their emphasis on cost control to operate profitably. While tighter cost controls are necessities of current times, reliability and safety of the operations cannot be compromised. To achieve this, O&G businesses need to actively monitor and observe the diverse and complex technology landscape.

O&G industry has a large, complex technology landscape with a mix of OT and IT systems. Data travels from different OT systems monitoring field activities to various IT systems responsible for commercial activities. Failures between different handshakes of these systems lead to delayed or incomplete information that impacts corporate and business decisions.

Value of HCL iControl

Our Vision – To empower our clients with seamless integration between their business processes and IT operations.

HCL iControl (iControl) is an O&G business flow observability solution that provides real-time visualization of the full set of business processes, their integration, and associated systems, providing IT and Operations a granular view into process capability against key performance indicators and defined service-level agreements. It regulates the health of business processes with IT data, predicts and analyzes the business impact of any modifications made to the process, and identifies potential process optimization areas.

iControl, enabling the Enterprise Command Center, delivers real-time business flow observability, offering insights to leaders from CXOs down to the level of on-ground operations teams into business-relevant controls by creating meaningful views from both business and technology perspectives. It identifies dependencies & failure points of data hand-offs between different systems, provides near real-time business insights and creates alerts & notifications, leading to a substantial reduction in issue resolution time. This improves the availability and reliability of critical OT and IT systems supporting key business operations.

iControl is embedded with industry process intelligence and is backed by HCL's experience in delivering business process services to O&G enterprises. We have funneled years of industry expertise gained while managing some of the industry's largest IT infrastructures into creating a product that provides an end-to-end view and actionable intelligence for forecasting and resolving possible risks.





Key Industry Challenges Addressed



End-to-end visibility of complex and diverse technology landscape



Consolidation of information at the organizational level



Unavailability or delay in data required for operational decision-making



Ensuring trustworthy and accurate reports are published to regulators and partners



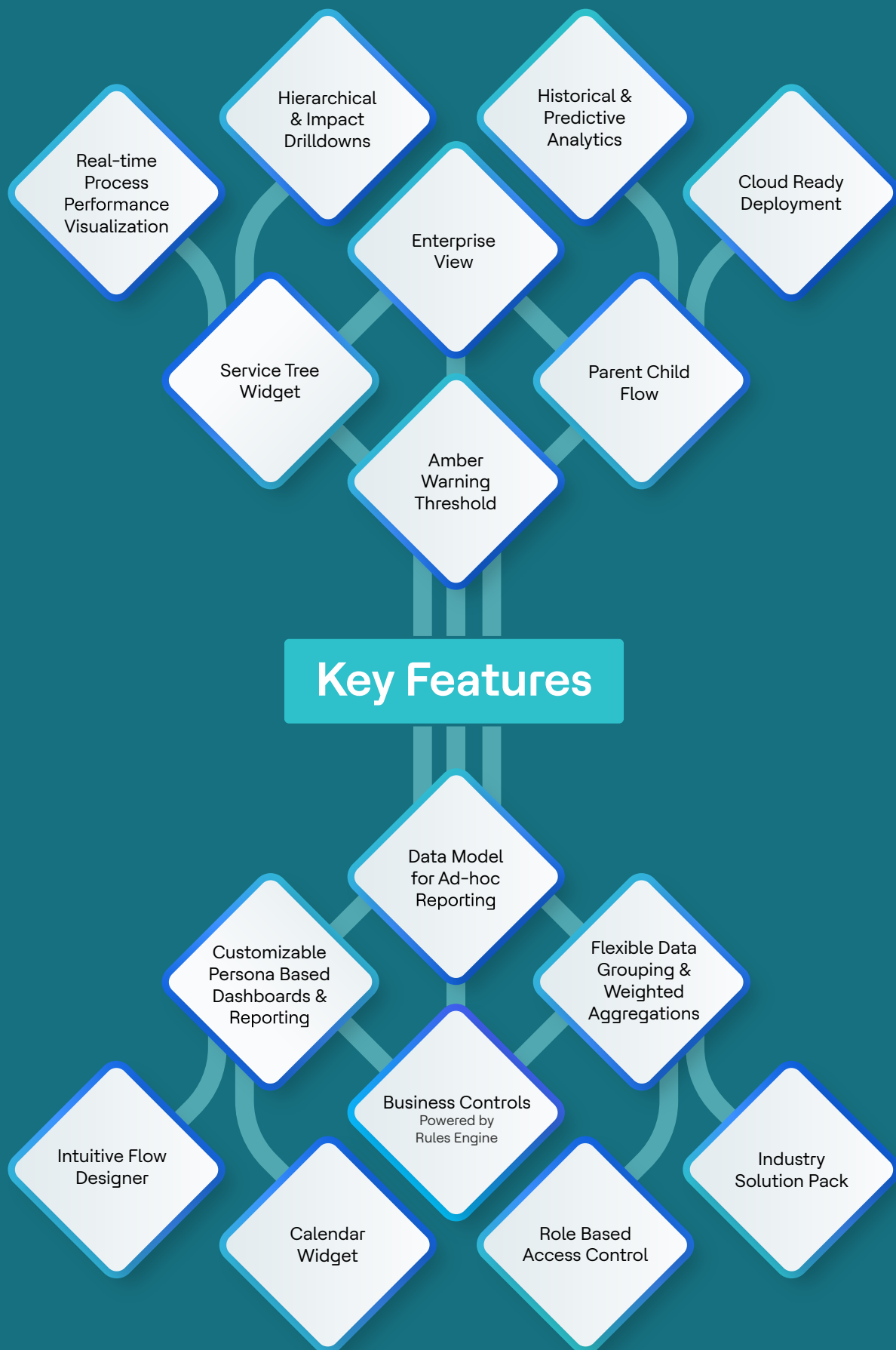
High turnaround time for root cause analysis of operational failures



High turnaround time for resolution of performance deviations from benchmarks



Adhering to various compliances



Now available on



splunk>cloud

splunk>enterprise





Key Benefits





Typical Industry Use Cases

Delay in data ingestion/upload for wells



Delay in data ingestion,

iControl observes:

- Cut-off time for well data captured through metering applications
- Cut-off time for well data captured manually through Excel sheets, where historian integration is not available

Data validation errors



Operator needs to know,

iControl displays

- Missing data parameters
- Null/garbage value for parameters
- Tolerance level breach for certain parameters

Allocation abnormalities



Allocation needs to predict,

iControl learns

- Failure to receive data from all the sources
- Allocation failures
- Validation failures
- Historical analysis

Reporting failures



Business needs to view,

iControl presents

- Delays in creating reports
- Report creation failures
- Report publishing failures
- Failure of data transfer to subsequent processes – PRA, Forecasting, Optimization

About HCLSoftware Intelligent Operations

HCLSoftware Intelligent Operations is focused on transforming and simplifying enterprise IT and business operations. Our exclusive products and platforms enable enterprises to operate in a leaner, faster, and cost-efficient manner while ensuring superior business outcomes.

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About HCLSoftware

HCLSoftware, the software business division of HCLTech, fuels the Digital+ economy by developing, marketing, selling and supporting solutions in four key areas: digital transformation; data and analytics; AI and intelligent automation and enterprise security. HCLSoftware drives customer success through relentless product innovation for more than 20,000 organizations, including a majority of the Fortune 100 and almost half of the Fortune 500.