

JuraProdX

Oil & Gas Production Management System

Intelligent decision-making and collaborative execution center for oil & gas production

JuraProdX is built for the entire production operation process in oil & gas fields, integrating IIoT, intelligent analytics, and collaborative orchestration to deliver an end-to-end management system of “Auto-sensing – Smart Alerting – Collaborative Optimization – Closed-loop Execution”.



We help oil & gas operators

- Collect production data automatically
- Control plans and correct deviations dynamically
- Identify and locate risks in advance
- Improve cross-department collaboration and execution

Empowering production management from experience-driven to intelligent decision-making.

Key Challenges



Data Fragmentation

SCADA, IoT, manual meter reading coexist, with inconsistent standards and low data trust.



Alarm Flood

Massive ineffective alarms cause interference, making real risks hard to detect in time.



Plan Deviation

Lack of dynamic linkage between plan and execution, deviations noticed too late.



Inefficient Collaboration

Tasks rely on calls and chats, unclear responsibilities and non-trackable processes.

How JuraProdX Solves It?



Auto-Sensing

Integrate SCADA, IoT, OCR and other multi-source data for automatic data collection and governance.



Smart Alerting

Multi-parameter correlation analysis for trend prediction and root cause identification.



Dynamic Optimization

Real-time plan vs. actual comparison, resource balance analysis and what-if simulation.



Closed-loop Execution

Auto-generate digital work orders for exception handling and full-process tracking & follow-up.



Look at the data



Truly drive production execution

Core Business Scenarios

01

Auto Data Collection & End-to-End Data Quality Control



- Access multi-source production data
- OCR for legacy instrument reading
- Stream-based data quality check
- Closed-loop correction of abnormal data

Value Delivered

Make production data from untrustworthy to reliable & usable

02

Key Parameter Anomaly Early Warning & Root Cause Analysis



- Multi-parameter correlation analysis
- Trend-based & tiered alerting
- Top 3 root cause recommendation
- Full-process traceability

Value Delivered

From alarm storm to precise diagnosis

03

Comprehensive Production Plan Closed-loop Control



- Real-time plan vs. actual comparison
- Automatic deviation analysis
- Resource load balance analysis
- What-if intelligent simulation

Value Delivered

Make production data from untrustworthy to reliable & usable

04

Cross-department Collaboration & Task Closed-loop



- Digital work-order driven
- Automatic responsibility assignment
- Online collaboration & supervision
- Full-process traceability

Value Delivered

Close the last mile from management instruction to field execution

Project Value & Results



More Reliable Data

≥95%

Automatic Data Collection Rate



More Controllable Risk

Significant Reduction in False Alarm Rate



More Efficient Management

Significant Improvement in Exception Handling Efficiency



More Transparent Execution

Tasks Fully Traceable Throughout the Process