

◆ **JuraESP**

ESP Well Management & Intelligent Analysis Platform

Connect ESP surveillance, diagnosis, operating optimization and predictive maintenance.

— **PRODUCT OVERVIEW**

JuraESP connects electric submersible pump surveillance, diagnosis, operating optimization, and maintenance planning. It combines production and operating data with well history, interventions, failure records, condition recognition, current-card analysis, and digital-twin simulation, giving production, artificial-lift, and equipment teams a shared view of well status, fleet priorities, response actions, and reusable operating knowledge.



Connect downhole ESP context with well and fleet-level operating insight.

— **CORE CAPABILITIES**

01

Well Context and Condition Recognition

Combine production, operating, well history, intervention and failure data to identify important condition patterns.

02

Diagnosis and Response Support

Connect abnormal conditions with probable causes, response options and equipment context.

03

Digital Twin and Health Management

Use simulation and health trends to support operating optimization and maintenance planning.

— **HOW IT WORKS**

→ **01 CONNECT**

Assemble production, operating, history, intervention and failure context.

→ **02 DETECT**

Recognize important condition changes across individual wells or fleets.

→ **03 DIAGNOSE**

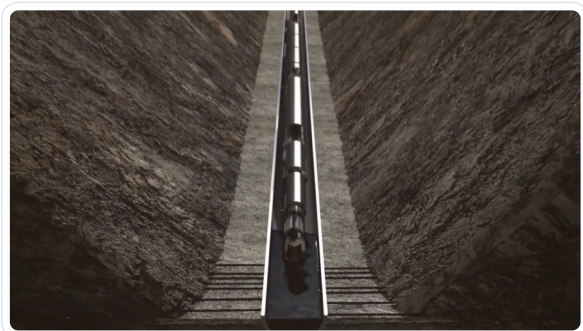
Review evidence, probable causes, and appropriate response options.

→ **04 LEARN**

Track response outcomes and retain diagnostic experience for reuse.

Application Scenarios

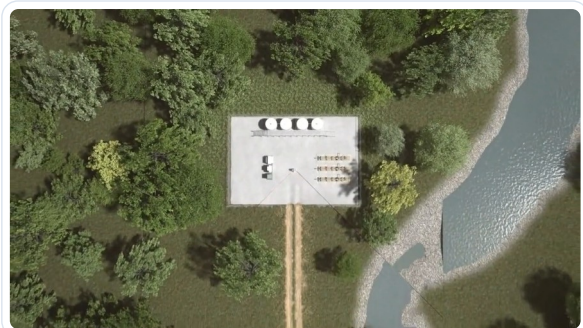
From single-well diagnosis to fleet management and predictive maintenance.



01

Single-Well Diagnosis

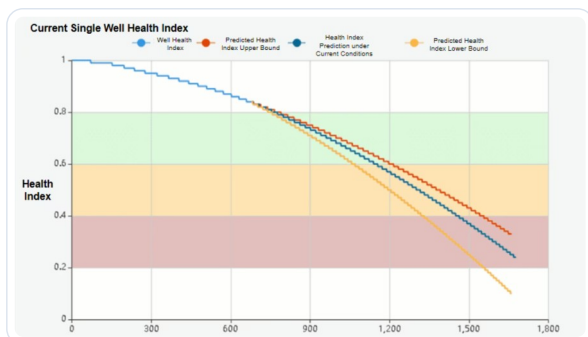
Bring pressure, temperature, electrical load, vibration, production and event data into a single-well view, helping engineers interpret operating conditions, identify abnormalities and review the evidence behind each diagnosis.



02

Fleet-Level Management

Organize multi-well status, risk level, alarm history and response priority in one fleet view, enabling teams to compare wells, focus attention and coordinate differentiated operating actions.



03

Predictive Maintenance

Use health trends, operating history, and failure patterns to identify developing risks, plan inspections and maintenance, and prepare spare-parts requirements before issues disrupt field operations.

CUSTOMER VALUE

● Earlier Anomaly Awareness

Help teams move from passive monitoring toward proactive detection and structured follow-up.

● Reusable Expert Knowledge

Capture diagnostic evidence, response actions and confirmed outcomes as organizational knowledge.

● Lifecycle Coordination

Connect operations, maintenance and outcome evaluation through a shared management view.

Turn ESP operating data into a continuous loop of detection, diagnosis, response, follow-up, and learning.