

# JuraOFM

## Oilfield Intelligent Analysis & Decision-making Platform

From manual data assembly to intelligent closed-loop analysis



JuraOFM integrates dynamic data, engineering methods, analysis workflows and AI agent capabilities to help engineers complete the full closed loop:

Issue Detection → Root Cause Analysis → Action Recommendation → Result Tracking

Realizing an integrated closed-loop workflow for oilfield dynamic analysis and development decision-making.

### Product Positioning

JuraOFM is not a standalone algorithm tool or simple charting platform. It is an intelligent business workbench for oilfield development analysis and production decisions, covering well, well group, block and field levels.



Dynamic Production Data



Injection-Production Relationships



Engineering Methods



Test Data



Operation & Treatment Records



Historical Cases



AI Agent Capabilities

Helping engineers complete the full workflow in one platform:

**Data Preparation** | **Analysis** | **Cause Diagnosis** | **Recommendation** | **Result Tracking**

### How AI Agents Assist Oilfield Analysis?



#### Issue Detection

Automatically identify abnormal wells, well groups and development issues



#### Evidence Organization

Automatically aggregate dynamic data, well history, treatments and test data



#### Root Cause Analysis

Generate candidate causes based on rule base and historical cases



#### Action Recommendation

Suggest treatment options and prioritize recommendations



#### Result Tracking

Generate stage review and analysis summaries automatically

### Oilfield Analysis Closed-loop Workflow



Anomaly Identification



Dynamic Analysis



Cause Diagnosis



Action Discussion



Plan Implementation



Result Review



Knowledge Accumulation

# Core Business Scenarios

## Single Well Production Diagnosis

- Automatically identify abnormal wells
- Intelligently organize analysis evidence
- Assist in root cause analysis
- Support full-process review



**Target Scenarios:**  
Production decline, water cut increase, post-treatment analysis, and other scenarios

## Injection-Production Effect Diagnosis

- Connectivity analysis
- Response identification and ranking
- Injection-production issue location
- Adjustment suggestions generation



**Target Scenarios :**  
Well group analysis, injection-production adjustment and development tracking

## Waterflood Performance Analysis

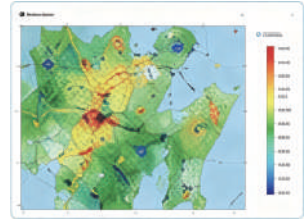
- Multi-method integrated analysis
- Waterflood characteristic curve analysis
- Planar and layer-based joint analysis
- Specialized workspace organization



**Target Scenarios:**  
Mid-to-high water cut areas and mid-to-late stage development research

## Remaining Oil Potential & Candidate Well Prioritization

- Potential area identification
- Candidate well screening
- Treatment well prioritization
- AI-assisted option discussion



**Target Scenarios:**  
Mature oilfields, production stabilization and incremental oil potential evaluation

# Why JuraOFM is Different?



### Not A Chart Tool

But a business analysis workbench



### Not A Black Box AI

But an interpretable analysis chain



### Not A Single Function

But a complete development analysis closed loop



### Not Manual Assembly

But a unified research workflow

# Business Value



### Higher Analysis Efficiency

Reduce data preparation and repetitive work



### Clearer Decision Basis

Build a unified evidence chain and logic



### Continuous Knowledge Accumulation

Form reusable analysis chains and case library



### Multi-disciplinary Collaboration

Unify research objects and analysis standards

# Customer Success



## XX Oilfield Dynamic Analysis Project

- Analysis cycle reduced from 7-10 days to 1-3 days
- Work efficiency improved by over 70%
- Successfully promoted and applied across multiple units

