Powerful Features for Modern Oilfields

Our comprehensive platform provides all the tools you need to optimize operations and drive sustainable growth.

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AI Chatbot

Provides instant, AI-powered support and information retrieval for digital oilfield operations

Learn More →

Infrared-Sensor Analysis

Leverages infrared data for rapid identification and assessment of oil and gas release incidents.

Learn More →

Alert System

Instant notifications for equipment malfunctions, safety concerns, and production anomalies.

Learn More →

Service Dashboard

AI-driven predictions for equipment failures before they occur, reducing downtime and maintenance costs.

Learn More →

Environmental Factors

Monitor and analyze carbon emissions and weahter with intelligent reporting tools for environmental compliance.

Learn More →

What Our Clients Say

Hear from leading oil and gas companies about how our platform has transformed their operations.

"The predictive maintenance system has reduced our unplanned downtime by 78% and saved us millions in repair costs. This platform is a game-changer for our operations."

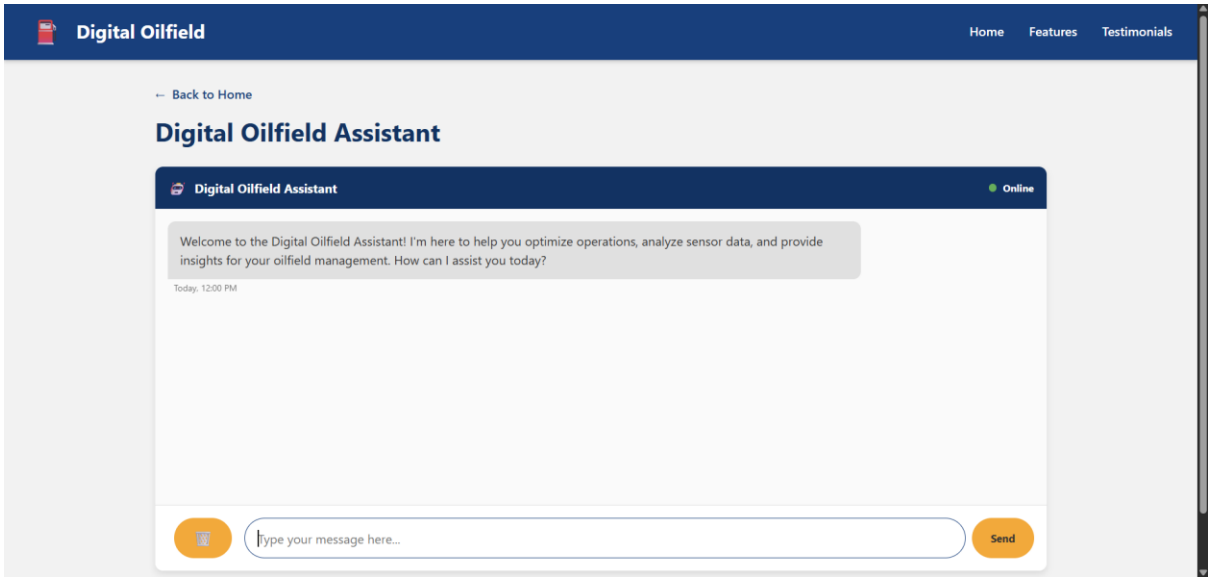
Nandik Dawar
Operations Director, PetroTech

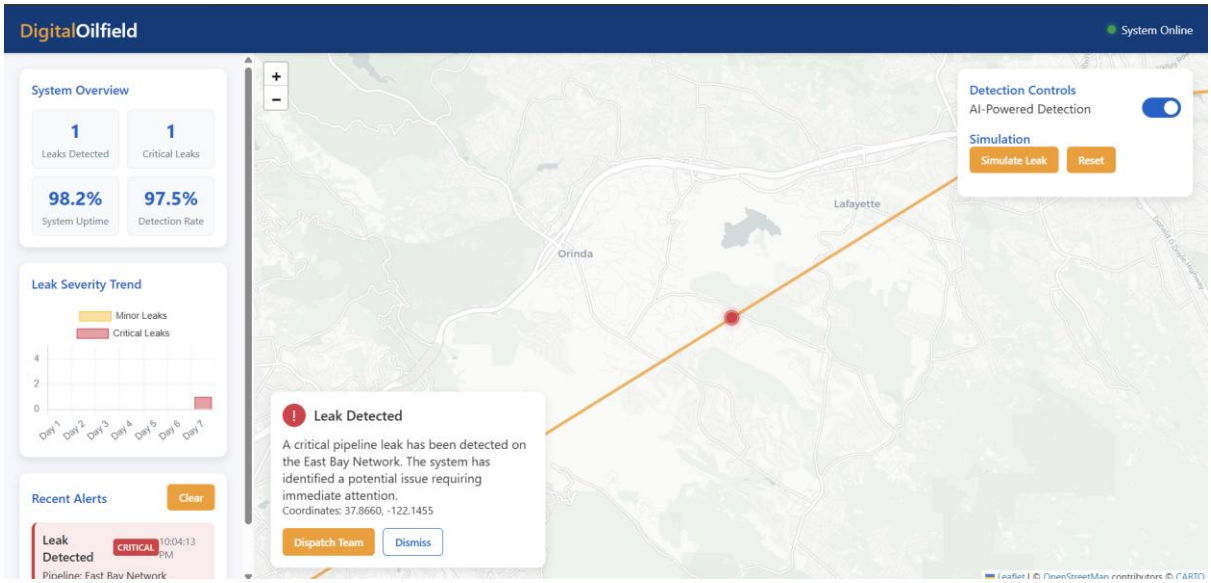
"The CO2 emission tracker has been instrumental in our sustainability initiatives. We've reduced our carbon footprint by 34% in just one year."

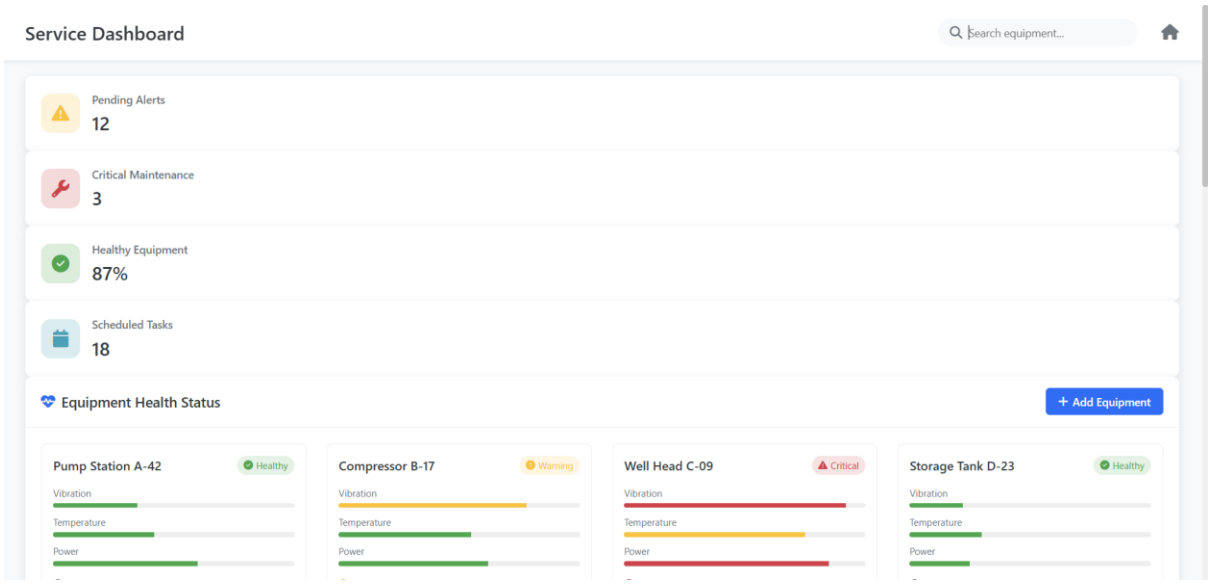
Shobhit Shukla
Environmental Lead, Gulf Energy

"The AI chatbot has streamlined our field support, providing instant answers to technical questions and reducing response times by 85%."

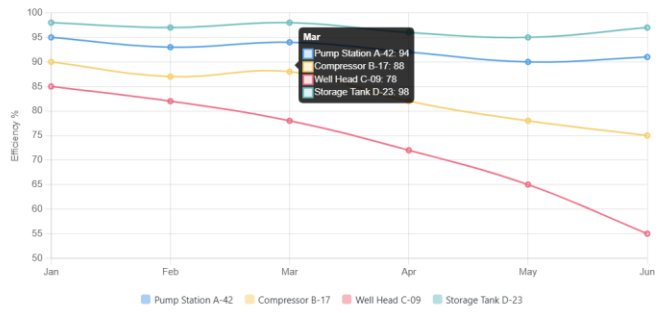
Harsh Kumar Jha
IT Manager, Western Petroleum


Digital Oilfield
Home
Features
Testimonials
← Back to Home
Digital Oilfield Assistant
Digital Oilfield Assistant
Online
Welcome to the Digital Oilfield Assistant! I'm here to help you optimize operations, analyze sensor data, and provide insights for your oilfield management. How can I assist you today?
Today, 12:00 PM
Type your message here...
Send


DigitalOilfield
System Online
System Overview
1
Leaks Detected
1
Critical Leaks
98.2%
System Uptime
97.5%
Detection Rate
Leak Severity Trend
Minor Leaks
Critical Leaks
Day 1
Day 2
Day 3
Day 4
Day 5
Day 6
Day 7
Recent Alerts
Clear
Leak Detected
CRITICAL
10:04:13 PM
Pipeline: East Bay Network
Detection Controls
AI-Powered Detection
Simulation
Simulate Leak
Reset
Lafayette
Orinda
Leak Detected
A critical pipeline leak has been detected on the East Bay Network. The system has identified a potential issue requiring immediate attention.
Coordinates: 37.8660, -122.1455
Dispatch Team
Dismiss


Service Dashboard
Search equipment...
Pending Alerts
12
Critical Maintenance
3
Healthy Equipment
87%
Scheduled Tasks
18
Equipment Health Status
+ Add Equipment
Pump Station A-42
Healthy
Vibration
Temperature
Power
Compressor B-17
Warning
Vibration
Temperature
Power
Well Head C-09
Critical
Vibration
Temperature
Power
Storage Tank D-23
Healthy
Vibration
Temperature
Power

Performance Trends



Maintenance KPIs

Mean Time Between Failures	Mean Time To Repair	Equipment Availability	
458 hours	3.2 hours	94.2%	
+12% ↑	-8% ↓	+2.5% ↑	
Maintenance Cost	Preventive vs Reactive	PM Compliance	
$24,580	72:28	88%	
+5.3% ↑	+5% ↑	+4% ↑	

Maintenance Scheduler

April 2025

Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3

Anomaly Detection

Critical: Well Head C-09 — 2 hours ago
Excessive vibration detected. Estimated failure in 36 hours.
Investigate | Create Work Order

Warning: Compressor B-17 — 8 hours ago
Unusual temperature fluctuations. Monitor closely.
Investigate | Create Work Order

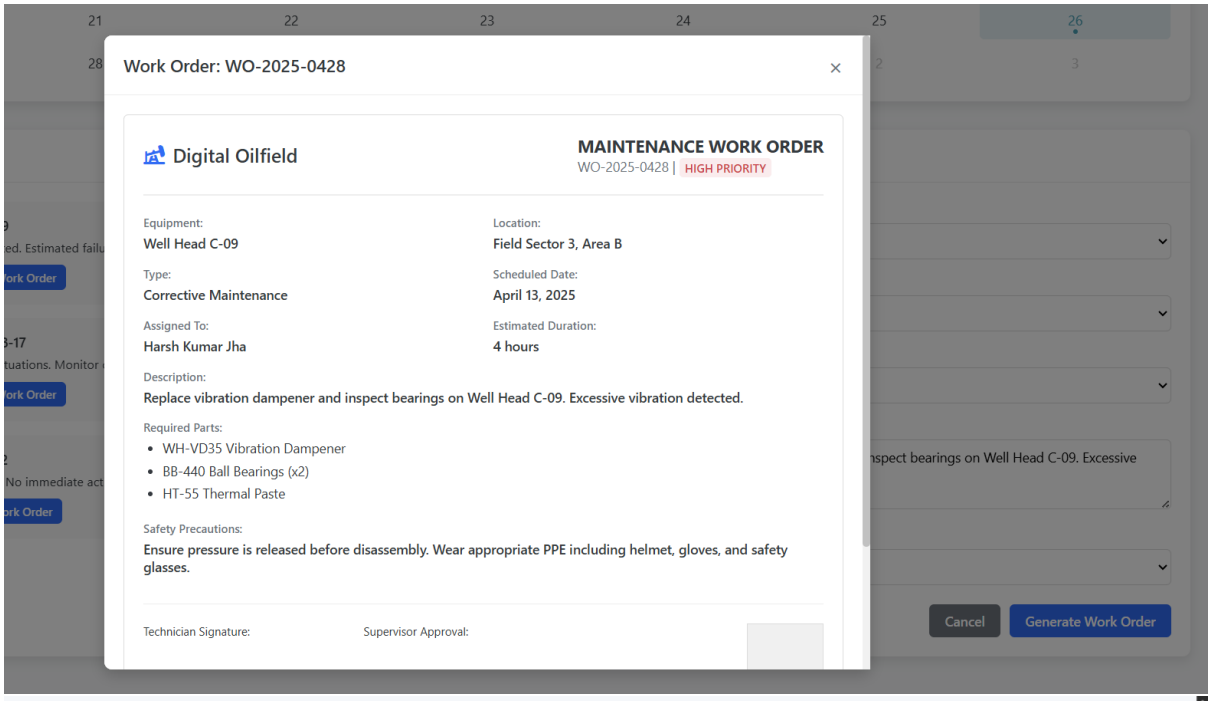
Work Order Generator

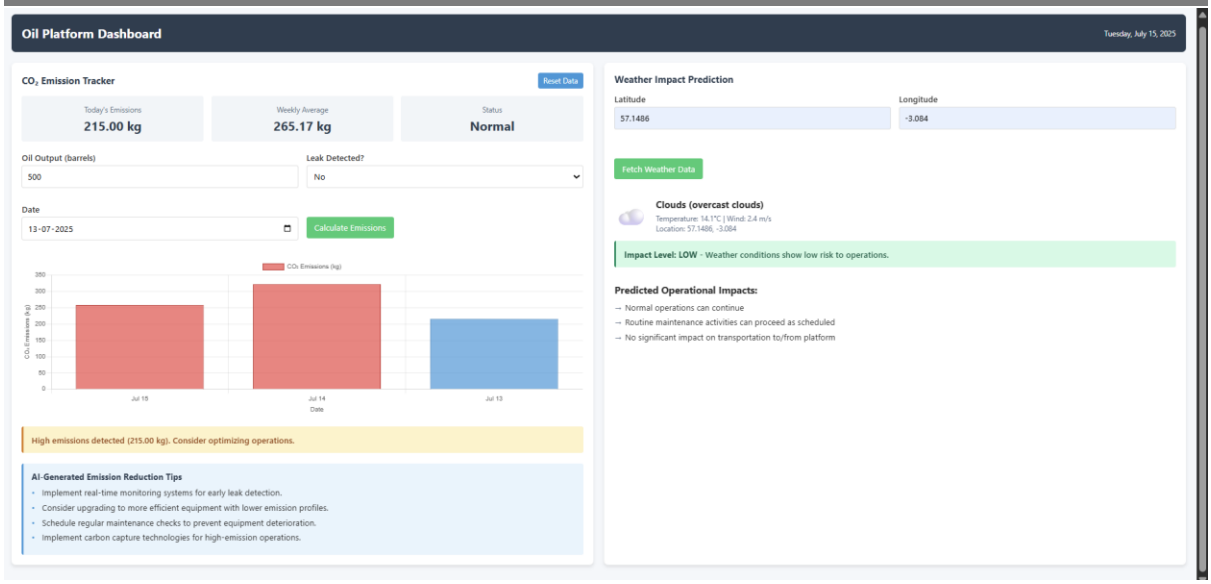
Equipment: Well Head C-09

Maintenance Type: Corrective

Priority: High

Description


Work Order: WO-2025-0428
Digital Oilfield
MAINTENANCE WORK ORDER
WO-2025-0428 | HIGH PRIORITY
Equipment:
Well Head C-09
Location:
Field Sector 3, Area B
Type:
Corrective Maintenance
Scheduled Date:
April 13, 2025
Assigned To:
Harsh Kumar Jha
Estimated Duration:
4 hours
Description:
Replace vibration dampener and inspect bearings on Well Head C-09. Excessive vibration detected.
Required Parts:
WH-VD35 Vibration Dampener
BB-440 Ball Bearings (x2)
HT-55 Thermal Paste
Safety Precautions:
Ensure pressure is released before disassembly. Wear appropriate PPE including helmet, gloves, and safety glasses.
Technician Signature:
Supervisor Approval:
Cancel
Generate Work Order


Oil Platform Dashboard
Tuesday, July 15, 2025
CO₂ Emission Tracker
Reset Data
Today's Emissions
215.00 kg
Weekly Average
265.17 kg
Status
Normal
Oil Output (barrels)
500
Leak Detected?
No
Date
13-07-2025
Calculate Emissions
High emissions detected (215.00 kg). Consider optimizing operations.
AI-Generated Emission Reduction Tips
Implement real-time monitoring systems for early leak detection.
Consider upgrading to more efficient equipment with lower emission profiles.
Schedule regular maintenance checks to prevent equipment deterioration.
Implement carbon capture technologies for high-emission operations.
Weather Impact Prediction
Latitude
57.1486
Longitude
-3.084
Fetch Weather Data
Clouds (overcast clouds)
Impact Level: LOW - Weather conditions show low risk to operations.
Predicted Operational Impacts:
→ Normal operations can continue
→ Routine maintenance activities can proceed as scheduled
→ No significant impact on transportation to/from platform