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COURSE BROCHURE

Intelligent Oilfield Rollout and Work Practice Change Training Course

25 – 29 April 2027
Muscat

Intelligent Oilfield Rollout and Work Practice Change Training Course

Ref: 2994_113529 **Date:** 25 – 29 April 2027 **Location:** Muscat **Fees:** 6500 GBP

Intelligent oilfield rollout and work practice change is a 1-week training course for production, digital and operations leaders who must move an asset from scattered sensors and pilots to daily decisions made on live field data, ending in a digital oilfield implementation roadmap. Many operators have installed instruments and screens, yet field crews and engineers still work the old way. Jupiter Prime Training delivers this intelligent oilfield rollout and work practice change course.

Why Intelligent Oilfield Rollout and Work Practice Change Matters Now

Three forces now meet on every asset. Cheaper wireless sensors and cloud storage make it possible to measure almost every well and pump, so data volumes grow faster than teams can use them. Experienced field staff are retiring, and their knowledge must be captured in alarms, models and shared screens. Executives expect digital spending to show in fewer trips, less deferred production and safer operations. An asset that redesigns roles and routines around live data gains steadily; one that adds technology without changing how people work ends up with expensive dashboards nobody trusts.

Who Gains Most from Intelligent Oilfield Rollout and Work Practice Change

- Production leaders who own well and facility performance targets
- Digital leaders who select field instruments, networks and data platforms
- Operations leaders who run control rooms, field crews and shift handovers
- Engineering leads who build optimisation models and surveillance routines
- Change and training leads who prepare staff for new roles and routines

Asset leadership groups gain most when production, digital and operations leaders from one asset attend together.

Intelligent Oilfield Rollout and Work Practice Change Capabilities

Participants connect each sensor and data flow to a named decision, a person who makes it and a routine that uses it.

- Assess current instrumentation and data gaps against priority decisions — asset leadership
- Specify real-time data flows from wellhead to operations centre — digital leaders
- Design collaborative operations centre roles and handover routines — operations leaders
- Apply model-based optimisation to well and network settings — production engineers
- Build a work practice change plan for field and office staff — change leads
- Weigh rollout options by value, readiness and risk — investment committee

Key Intelligent Oilfield Rollout and Work Practice Change Terms

- Intelligent oilfield — an asset where live field data, models and shared workspaces drive daily operating decisions.
- Collaborative operations centre — a shared room or virtual space where field, engineering and specialist staff work on live data together.
- Exception-based surveillance — monitoring that alerts people only when a well or unit moves outside set limits.
- Model-based optimisation — using calibrated well and network models to recommend chokes, lift and routing settings.
- Data latency — the delay between a field measurement and its appearance where a decision is made.
- Work practice change — redesigning roles, routines and decision rights so people use the new data and tools.

Intelligent Oilfield Rollout and Work Practice Change Day by Day

Day 1: Decisions Before Technology

- Priority Decision Inventory — Which Field Choices Need Live Data
- Value Driver Tree for the Asset — Deferred Production, Trips and Downtime
- Current State Maturity Assessment — Instruments, Data and Routines Today
- Lessons From Stalled Digital Pilots — Why Tools Go Unused
- Stakeholder Map for Field and Office Staff — Who Gains, Who Resists

Day 2: Field Instrumentation and Data Flows

- Instrumentation Gap Analysis — Wells, Pumps and Facilities Without Measurement
- Wireless and Wired Sensor Options — Cost, Power and Hazardous Area Limits
- Data Path Design From Wellhead to Screen — Latency and Reliability
- Data Quality Rules and Validation — Trusting Readings Before Acting
- Cyber Security Zoning for Field Networks — Protecting Control Systems

Day 3: Collaborative Operations Centres

- Operations Centre Role Design — Field, Engineering and Specialist Responsibilities
- Exception-Based Surveillance Rules — Alarm Limits and Response Owners
- Shift Handover and Daily Review Routines — Shared Priorities Across Locations
- Decision Rights Matrix — Who Changes Settings Remotely and When
- Remote Support for Field Crews — Video, Shared Screens and Escalation

Day 4: Model-Based Optimisation

- Well and Network Model Calibration — Matching Live Data to Calculations
- Setpoint Recommendation Workflow — From Model Output to Field Action
- Artificial Lift and Choke Optimisation Cases — Measured Gains and Limits
- Predictive Equipment Alerts — Pump and Compressor Failure Warning
- Benefit Tracking Method — Proving Gains Against a Baseline

Day 5: Practising the Digital Oilfield Implementation Roadmap

- Rollout Sequencing Options — Pilot Area, Phased or Asset-Wide Deployment
- Work Practice Change Plan — Roles, Training and New Routines
- Readiness and Risk Check — Applying Data, Model and Centre Findings
- Investment Case Summary — Value, Cost and Benefit Tracking
- Digital Oilfield Implementation Roadmap — Finalising Phases, Owners and Measures

Applying Intelligent Oilfield Rollout and Work Practice Change After the Course

- Lead a priority decision review with production and operations staff.
- Run a decision rights session for the operations centre.

Intelligent Oilfield Rollout and Work Practice Change Questions FAQ

What is intelligent oilfield rollout and work practice change and why does it matter now?

It is the planned move of an asset to daily decisions made on live field data. It matters now because sensors are cheap, experienced staff are retiring and leaders expect digital spending to pay back.

Which roles gain most from intelligent oilfield rollout and work practice change?

Production, digital and operations leaders gain most. You benefit if you own asset performance, choose field technology, run control rooms or prepare staff for new ways of working.

How does intelligent oilfield rollout and work practice change differ from an integrated asset modelling course?

It covers the whole rollout, not only the models. An integrated asset modelling course builds calculation tools; this one links instruments, data flows, operations centres, models and people change into one implementation plan.

What do you bring back from intelligent oilfield rollout and work practice change?

You bring back a phased roadmap for one asset, showing priority decisions, instrumentation and data steps, centre roles, optimisation cases, change actions and benefit measures.

Intelligent Oilfield Rollout and Work Practice Change: The Way Forward

The digital oilfield implementation roadmap first informs the choice of pilot area and the first year's investment. Production, digital and operations leaders all steer by it. After the first phase, check whether field crews and engineers actually changed their routines, and adjust training and decision rights before extending the rollout.