

Advanced Oil and Gas Platform Operations Supervision Training Course

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Overview

Advanced Oil and Gas Platform Operations Supervision Training Course is a one-week course for platform, production, control-room, facility, maintenance, and assurance functions who leave with a Platform Operations Supervisory Control File. Participants connect surface production oversight, operating envelopes, control systems, work coordination, shift decisions, and remote monitoring. The course uses process maps, constraint registers, alarm evidence, permit interfaces, troubleshooting trees, and decision records. Agile Leaders Training Center presents oil and gas platform operations supervision.

Who Should Attend

- Platform operations functions responsible for production targets, operating limits, and shift decisions
- Control-room functions responsible for process monitoring, alarms, trends, and escalation
- Facility engineering functions responsible for surface-process performance and technical constraints
- Maintenance coordination functions responsible for work priorities, isolations, and operational handback
- Technical assurance functions responsible for operating evidence, barrier status, and deviation review
- Production leadership functions responsible for cross-functional execution and remote oversight

The course assumes participants interpret process-flow diagrams, operating procedures, control-system trends, permits, and shift records at work, and it leaves out introductory production theory, equipment-specific maintenance, generic supervisory skills, accredited control-room instruction, and broad process safety management.

Departments and Industries

The course supports departments and industries that operate, coordinate, or assure production platforms and related process facilities.

- Offshore oil and gas production operations
- Onshore hydrocarbon processing and gathering facilities
- Gas treatment, natural-gas liquids, and export operations
- Marine terminal and remote production-facility operations
- Operations engineering, maintenance coordination, and technical assurance

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Learning Objectives

By the end of this course, participants will be able to:

- Build a platform operating-basis and accountability map
- Analyze separation, treatment, compression, and utility constraints
- Evaluate ESD, flare, alarm, and automation evidence
- Apply permit, isolation, and SIMOPS coordination controls
- Diagnose production deviations using structured evidence
- Prioritize shift, maintenance, and remote-supervision decisions

Course Agenda

Day 1: Establish the Supervisory Operating Basis

- Platform Process and Utility System Boundary Map
- Production Target, Constraint, and Operating-Envelope Register
- Shift Accountability, Decision Authority, and Escalation Matrix
- Work Permit, Isolation, and SIMOPS Interface Map
- Platform Operations Supervisory Control File Structure

Day 2: Supervise Surface Production Processes

- Inlet Separation Pressure, Level, and Temperature Control Sheet
- Dehydration and Gas Sweetening Performance Review
- Hydrocarbon Dewpoint and Export-Specification Decision Chart
- LPG and NGL Recovery and Fractionation Balance Map
- Pump, Compressor, Heat-Exchanger, and Utility Constraint Matrix

Day 3: Control Automation and Safeguarding

- API RP 14C Surface Safety System Analysis Map
- ESD, Relief, Flare, and Cause-and-Effect Verification Sheet
- SCADA, PLC, and DCS Signal-Path Architecture Diagram
- ISA-18.2 Alarm Lifecycle and Priority Review
- Remote Monitoring Trend, Exception, and Communication Board

Day 4: Coordinate Work and Resolve Deviations

- Symptom, Evidence, Cause, and Action Diagnostic Tree
- Permit-to-Work and Energy-Isolation Coordination Checklist
- Simultaneous-Operations Conflict and Control Register
- Maintenance Priority, Readiness, and Handback Decision Matrix
- Human-Factor, Shift-Handover, and Emergency Escalation Log

Day 5: Practice Platform Supervisory Decisions

- Suggested Exercise: Reconcile Production Targets and Operating Constraints
- Suggested Exercise: Diagnose a Separation, Compression, or Utility Deviation
- Suggested Exercise: Validate Alarm, ESD, and Remote-Monitoring Evidence
- Suggested Exercise: Coordinate a Permit, SIMOPS, and Maintenance Scenario
- Capstone Exercise: Complete the Platform Operations Supervisory Control File

Practical Exercises

The course uses suggested activities to turn process, automation, work-control, and shift evidence into traceable platform decisions.

- Suggested activity: map production and utility boundaries, assign decision authority, and record operating-envelope triggers.
- Suggested activity: reconcile separator, treatment, compression, export, flare, and utility trends to isolate a process constraint.
- Suggested activity: test alarm priorities, signal paths, cause-and-effect logic, ESD evidence, and remote-communication actions.
- Suggested activity: sequence permits, isolations, simultaneous operations, maintenance handback, shift handover, and escalation decisions.

FAQs

Who suits oil and gas platform operations supervision training, and what does it assume?

Oil and gas platform operations supervision training suits production, operations, control-room, facility, maintenance-coordination, and assurance functions. It assumes working ability with process diagrams, procedures, trends, permits, and shift records.

How does platform operations supervision differ from generic supervisory training?

Platform operations supervision centers on process limits, automation evidence, permits, simultaneous operations, maintenance interfaces, shift decisions, and production deviations. Generic supervisory training centers on people management, communication, delegation, and performance conversations.

What evidence supports oil and gas platform supervisory decisions?

Platform supervisory decisions use operating envelopes, process trends, alarm histories, barrier status, permits, isolation records, maintenance readiness, handover logs, weather or logistics constraints, and defined escalation criteria.

How are remote platform operations supervised?

Remote platform operations are supervised through validated signal paths, prioritized alarms, exception trends, communication protocols, local response capability, authority limits, barrier status, and documented escalation and recovery decisions.

How should platform operations teams troubleshoot production deviations?

Platform operations teams should define the symptom, verify instruments, compare related variables, check utilities and safeguards, test plausible causes, protect operating limits, coordinate interventions, and record the evidence behind each action.

Conclusion

Participants take back a Platform Operations Supervisory Control File linking operating boundaries, process constraints, automation evidence, work controls, troubleshooting logic, and shift decisions. It changes scattered operational records into one traceable supervisory basis. The file supports production oversight, work coordination, deviation control, remote supervision, and handover learning.

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