

FSRU Project Development and Operations Training Course

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Overview

FSRU project development and operations is a one-week course for LNG developers, marine engineers, project managers, commercial teams, and operations leaders who leave with an FSRU Development and Operations Readiness File. Participants connect feasibility, site and marine interfaces, contracting, terminal integration, commissioning, safe operations, maintenance, performance, and emergency readiness. The course provides a lifecycle view of floating storage and regasification unit decisions. Agile Leaders Training Center delivers this course in FSRU project development and operations.

Who Should Attend

- Project development teams responsible for feasibility, schedule, risk, and investment decisions
- Marine and terminal engineering teams responsible for berth, transfer, mooring, and pipeline interfaces
- Commercial teams responsible for LNG supply, FSRU chartering, contracting, and service structures
- Commissioning and operations teams responsible for readiness, procedures, performance, and maintenance
- Port and stakeholder teams responsible for permits, interfaces, emergency coordination, and assurance

The course assumes participants already contribute to LNG, marine, terminal, project, commercial, or operating decisions and leaves out detailed vessel design, simulator-based control-room training, and jurisdiction-specific licensing.

Departments and Industries

The course supports departments that develop and operate floating LNG import infrastructure across energy, marine, port, utility, and industrial environments.

- LNG development and commercial strategy
- Marine engineering and port operations
- Terminal projects and pipeline integration
- Power and gas utility operations
- Process safety, maintenance, and emergency management

Learning Objectives

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

- Analyze FSRU project feasibility and delivery options.
- Compare vessel, site, berth, and pipeline interfaces.
- Build commercial, contracting, and stakeholder maps.
- Apply commissioning and operational readiness controls.
- Evaluate marine, process, maintenance, and emergency risks.
- Build performance and lifecycle decision records.

Course Agenda

Day 1: Frame the FSRU Project

- LNG Demand and Regasification Capacity Basis
- FSRU Project Concept and Feasibility Canvas
- Site Screening and Marine Conditions Register
- Stakeholder, Permit, and Environmental Interface Map
- Project Delivery Schedule and Risk Breakdown

Day 2: Select the Technical and Commercial Model

- FSRU Vessel Selection Criteria Matrix
- Charter, Ownership, and Service Model Comparison
- LNG Supply and Cargo Compatibility Checklist
- Berth, Mooring, and Ship-to-Ship Transfer Interface
- Project Finance and Commercial Risk Allocation Map

Day 3: Integrate the Terminal System

- Regasification Process and Send-Out Design Basis
- Jetty, Loading Arm, and Transfer System Interface
- Subsea and Onshore Pipeline Integration Diagram
- Utilities, Control, and Communication Interface Register
- Construction, Conversion, and Systems Completion Plan

Day 4: Prepare and Control Operations

- Commissioning and Operational Readiness Gate
- Marine Operations and Cargo Transfer Procedure Map
- Process Safety and Emergency Response Matrix
- Inspection, Maintenance, and Reliability Plan
- Terminal Performance and Lifecycle Dashboard

Day 5: Practice FSRU Decisions

- Suggested Exercise: Evaluate an FSRU Site and Demand Case
- Suggested Exercise: Compare Charter and Vessel Options
- Suggested Exercise: Resolve a Terminal Integration Interface
- Suggested Exercise: Conduct an Operational Readiness Review
- Capstone Exercise: Complete an FSRU Development and Operations Readiness File

Practical Exercises

The course uses suggested activities based on fictional utility, port, industrial, and energy-security cases.

- Suggested activity: test capacity and site assumptions for a utility import terminal.
- Suggested activity: compare vessel and charter options for a port-based development.
- Suggested activity: map marine, pipeline, and control interfaces for an industrial terminal.
- Suggested activity: review commissioning, emergency, and maintenance evidence before operations.

FAQs

Who suits FSRU project development and operations training, and what does it assume?

FSRU project development and operations training suits LNG developers, engineers, project managers, commercial teams, operations leaders, and port stakeholders. It assumes participants contribute to LNG, marine, terminal, commercial, or operating decisions.

How does FSRU training differ from general LNG terminal operations training?

FSRU training integrates the floating vessel, marine transfer, mooring, charter, regasification, send-out, and shore interfaces, while general LNG terminal operations training may focus primarily on fixed terminal processes and operating routines.

What interfaces shape an FSRU project?

FSRU projects depend on aligned vessel, LNG carrier, berth, mooring, transfer, regasification, utilities, control, pipeline, port, commercial, permitting, stakeholder, and emergency interfaces.

What supports FSRU operational readiness?

FSRU operational readiness relies on completed systems, tested interfaces, approved procedures, trained roles, compatible cargo and vessel arrangements, emergency coordination, maintenance plans, performance limits, and clear acceptance evidence.

How is FSRU operating performance monitored?

FSRU operating performance is monitored through availability, send-out, storage, transfer, process, energy, maintenance, reliability, safety, environmental, and commercial indicators linked to operating limits and decision thresholds.

Conclusion

Participants take back an FSRU Development and Operations Readiness File. It combines feasibility assumptions, interface records, vessel and commercial choices, integration plans, commissioning gates, operating controls, maintenance evidence, emergency arrangements, and performance measures. The file helps cross-functional teams make traceable lifecycle decisions from concept through stable terminal operation.

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