

Advanced FSRU Project Development,
Commercial, Contractual & Asset
Management

UK Training

PARTNER



Advanced FSRU Project Development, Commercial, Contractual & Asset Management

Introduction

The growing global demand for Liquefied Natural Gas LNG has positioned Floating Storage and Regasification Units FSRUs as one of the most strategic solutions for delivering flexible, cost-effective, and reliable gas import infrastructure. As FSRU projects become increasingly complex, professionals involved in project development, asset management, operations, commercial management, and engineering must possess a comprehensive understanding of the technical, commercial, contractual, financial, and regulatory aspects that govern successful FSRU deployment and operation.

The Advanced FSRU Project Development, Commercial, Contractual & Asset Management course has been designed to provide participants with an integrated understanding of the complete FSRU project lifecycle. The programme combines technical engineering principles with commercial project development, contractual frameworks, asset lifecycle management, operational excellence, risk management, regulatory compliance, and strategic decision-making.

Throughout this intensive programme, participants will examine LNG value chains, FSRU technologies, commercial project structures, financing models, charter arrangements, operational strategies, asset management frameworks, lifecycle optimisation, performance guarantees, and international best practices. Practical engineering discussions and real-world case studies will enable participants to confidently support and manage modern FSRU projects from concept through long-term operation.

Course Objectives

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

- ▣ Understand LNG and FSRU technologies and their role within global energy infrastructure.
- ▣ Evaluate different FSRU project structures and commercial business models.
- ▣ Analyse technical, operational, commercial, and contractual risks.
- ▣ Understand Time Charter Party TCP, Bareboat Charter BBC, Operations & Maintenance O&M, LNG Sale & Purchase Agreements SPA, and Terminal Use Agreements TUA.
- ▣ Apply international regulatory, maritime, environmental, and compliance requirements.
- ▣ Develop effective asset management and lifecycle management strategies.
- ▣ Improve operational reliability, availability, and performance of FSRU facilities.
- ▣ Evaluate financing models and commercial project economics.
- ▣ Implement risk management and performance monitoring methodologies.
- ▣ Apply international best practices for successful FSRU project development and long-term asset management.

Course Outline

Day 1: LNG & FSRU Industry Fundamentals

- ▣ Global LNG market overview.
- ▣ LNG value chain.
- ▣ Evolution of FSRU technology.
- ▣ FSRU versus onshore LNG terminals.
- ▣ Types of LNG import infrastructures.
- ▣ Global FSRU market trends.



Day 2: FSRU Engineering & Technical Operations

- ▣ FSRU design principles.
- ▣ Regasification technologies.
- ▣ LNG storage systems.
- ▣ Cargo transfer operations.
- ▣ Mooring systems.
- ▣ Operational processes.
- ▣ Performance optimisation.

Day 3: FSRU Project Development

- ▣ FSRU project lifecycle.
- ▣ Project development stages.
- ▣ Site selection.
- ▣ Technical feasibility studies.
- ▣ Infrastructure integration.
- ▣ Stakeholder management.
- ▣ Project execution strategies.

Day 4: Commercial Structures & Project Economics

- ▣ Commercial business models.
- ▣ FSRU commercial frameworks.
- ▣ Project financing structures.
- ▣ Revenue models.
- ▣ Tariff mechanisms.
- ▣ Cost optimisation.
- ▣ Investment evaluation.

Day 5: Contractual Frameworks

- ▣ Time Charter Party TCP.
- ▣ Bareboat Charter BBC.
- ▣ Operations & Maintenance Agreements.
- ▣ LNG Sale & Purchase Agreements SPA.
- ▣ Terminal Use Agreements TUA.
- ▣ Risk allocation.
- ▣ Contract negotiation principles.

Day 6: Asset Management & Lifecycle Management

- ▣ Asset management principles.
- ▣ Asset lifecycle planning.
- ▣ Reliability engineering.
- ▣ Availability management.
- ▣ Performance monitoring.
- ▣ Maintenance planning.
- ▣ Asset optimisation strategies.

Day 7: Operations, Maintenance & Performance Management



- ▣ O&M management strategies.
- ▣ Maintenance planning.
- ▣ Condition monitoring.
- ▣ Reliability-centred maintenance.
- ▣ Key Performance Indicators KPIs.
- ▣ Performance guarantees.
- ▣ Continuous operational improvement.

Day 8: Risk Management, Compliance & Governance

- ▣ Project risk management.
- ▣ Technical risk assessment.
- ▣ Commercial risk management.
- ▣ Regulatory compliance.
- ▣ Maritime regulations.
- ▣ Environmental requirements.
- ▣ ESG considerations.

Day 9: Strategic Planning & Decision Making

- ▣ Long-term deployment strategies.
- ▣ Country-specific regulatory considerations.
- ▣ Tax considerations.
- ▣ Business continuity planning.
- ▣ Emergency preparedness.
- ▣ Lessons learned from international FSRU projects.

Day 10: Advanced Case Studies & Future Developments

- ▣ International FSRU case studies.
- ▣ Project success and failure analysis.
- ▣ Emerging LNG technologies.
- ▣ Digitalisation and AI applications.
- ▣ Future trends in FSRU and LNG infrastructure.
- ▣ Integrated project workshop.
- ▣ Course review and technical discussions.

Why Attend This Course?

- ▣ Develop comprehensive expertise in FSRU project development and operations.
- ▣ Gain practical knowledge of commercial structures and contractual frameworks.
- ▣ Strengthen asset management and lifecycle optimisation capabilities.
- ▣ Improve project planning and investment decision-making.
- ▣ Understand international regulatory and compliance requirements.
- ▣ Enhance risk management and operational performance strategies.
- ▣ Build expertise in long-term FSRU asset management.
- ▣ Learn from practical international case studies and industry best practices.
- ▣ Strengthen strategic decision-making across technical, commercial, and operational functions.
- ▣ Prepare to lead complex LNG and FSRU infrastructure projects.

Conclusion





The Advanced FSRU Project Development, Commercial, Contractual & Asset Management course provides participants with a comprehensive understanding of every stage of the FSRU project lifecycle, from project development and engineering to commercial structuring, contractual management, operations, and long-term asset optimisation. By integrating technical expertise with commercial insight, regulatory compliance, and international best practices, participants will be equipped to make informed strategic decisions and successfully support complex LNG infrastructure projects.

Upon completion of the programme, participants will possess the knowledge and practical skills required to manage FSRU assets efficiently, optimise operational performance, strengthen commercial outcomes, and contribute to the successful delivery of modern LNG import and regasification projects.



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