COURSE BROCHURE

EPC Contracts

An advanced course on how EPC contracts are structured, how they allocate risk, and how to manage change, testing, taking over and claims on oil, gas, power and industrial projects.

Code	HT-LGL-111
Category	Contracts & Legal Affairs
Duration	1 week
Level	Advanced
City	Amsterdam

Introduction

Most major capital projects in the region, from gas processing plants to power and desalination stations, are delivered under EPC contracts that make the contractor responsible for design, procurement and construction at a fixed price and date. Any ambiguity in how these contracts are drafted or administered quickly turns into claims, delay and cost overrun.

Objectives

- Compare EPC, EPCM and multi-package contracting and select the model that fits the project
- Analyze how design, site condition and procurement risks are split between owner and contractor
- Link the price mechanism, milestone payments and bank guarantees to actual progress
- Manage variations, extensions of time and liquidated damages through documented procedures
- Control mechanical completion, commissioning, performance testing and taking over

Who should attend

- Contract managers and contract engineers in oil, gas and energy companies
- Project managers and project controls engineers on the owner or contractor side
- Legal counsel and commercial officers
- Procurement and contracting staff on capital projects

Skills you will develop

- Reading EPC clauses and analyzing their risk allocation
- Reviewing employer's requirements and scope boundaries
- Managing variations and time and cost claims
- Negotiating liability caps and securities

Learning Outcomes

- Prepare a contractual risk matrix for an EPC project showing which party carries each risk
- Review liquidated damages and performance guarantee clauses and spot their weak points
- Write a variation or claim notice that meets the contract's procedural and time-bar requirements
- Set up a contract administration plan covering testing, taking over and the defects notification period

Course Outline

Day 1: Contracting Strategy and the Anatomy of an EPC Contract

- Where EPC sits among delivery models: lump sum turnkey, EPCM, cost-reimbursable and FEED-to-EPC conversion
- Contract documents and their order of precedence: agreement, general and particular conditions, employer's requirements, contractor's proposal
- Single-point responsibility and its limits when the contractor relies on owner data and FEED deliverables

Day 2: Risk Allocation and the Parties' Obligations

- Design liability: fitness for purpose versus reasonable skill and care
- Unforeseen site conditions, permits, owner-supplied items and interfaces with other contractors
- Subcontractors and vendors: long-lead equipment, novation of early purchase orders and vendor warranties

Day 3: Price, Payment and Financial Security

- Milestone payment schedules, advance payment, retention and price adjustment mechanisms
- Performance bond, advance payment guarantee and parent company guarantee: on-demand wording and conditions for calling
- Overall cap on liability, exclusion of consequential loss and contractors' all risks insurance

Day 4: Time, Variations and Claims

- Contract program, critical path, ownership of float and concurrent delay
- Variations: instructions, constructive change, valuation and the change register
- Delay and performance liquidated damages, notice periods and extension of time

Day 5: Completion, Testing and Dispute Resolution

- Mechanical completion, commissioning, performance tests and guaranteed output, and the provisional acceptance certificate
- Defects notification period, suspension and termination, and the path from dispute board to arbitration
- Applied workshop in which teams review a draft EPC contract for a gas processing unit, build its risk matrix and negotiation list, and present them

Training methodology

Clause-by-clause analysis of FIDIC Silver Book samples against common owner amendments
Calculation exercises on liquidated damages, liability caps and milestone payment schedules
Anonymized case studies of disputes on oil, gas and industrial projects
Negotiation simulation between an owner team and a contractor team on contested clauses

Certification

Participants receive a Harbor Training Center certificate of attendance on completing the course.

Upcoming dates

City	Dates	Language	Fee
Amsterdam	11 – 15 January 2027	EN	EUR 5,500
Amsterdam	12 – 16 July 2027	AR	EUR 5,500

Fees are per participant.

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