Comprehensive Management of EPC Contracts in Infrastructure Projects Training Course



07 - 11 Dec 2026

Barcelona

5900 € (Per Person)

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Course Introduction / Overview:

Engineering, Procurement, and Construction (EPC) contracts are the backbone of large-scale infrastructure projects. These complex agreements require a sophisticated understanding of project management, risk, and legal frameworks to ensure successful completion. This training course is designed to equip you with the advanced skills needed to effectively manage every stage of an EPC contract, from initial bidding to final close-out. We will delve into key concepts, drawing on established principles from experts like Stephen A. Butler, author of "Construction Law and Management." His insights on the intricate relationships between parties and the crucial role of clear contract administration are woven into our curriculum. At BIG BEN Training Center, we know that successful EPC projects depend on more than just technical expertise. They require a deep understanding of contractual obligations, risk allocation, and dispute avoidance. This course provides you with a complete toolkit to navigate the complexities of these contracts, helping you to protect your organization's interests, manage project timelines, and deliver projects on budget. You will learn to draft robust clauses, handle claims and variations, and implement best practices that minimize risks and ensure compliance, all while maintaining strong relationships with all project stakeholders.

Target Audience / This training course is suitable for:

- Project managers and directors.
- Contracts and commercial managers.
- Engineers and site supervisors.
- Procurement and supply chain professionals.
- Legal and risk management officers.
- Project financiers and investors.
- Senior executives in the construction industry.

Target Sectors and Industries:

- Construction and infrastructure development.
- Oil and gas.
- Energy and power generation.
- Public work and government agencies.
- Mining and resources.
- Renewable energy.
- Telecommunications and transportation.

Target Organizations Departments:

- Project management offices.
- Contracts and procurement.
- Legal and compliance.
- Engineering and technical teams.
- Business development.
- Risk management.
- Finance and investment.

Course Offerings:

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

- Master the key components and clauses of an EPC contract.
- Analyze and mitigate risks related to project scope, schedule, and cost.
- Apply best practices for managing variations, claims, and changing orders.
- Negotiate and draft effective contract terms.
- Implement robust project control and monitoring systems.
- Resolve disputes and conflicts proactively.
- Ensure compliance with international standards and regulations.

Course Methodology:

This training course uses a practical, case-based methodology to help you master the complexities of EPC contracts. Our approach combines expert-led sessions with a focus on real-world scenarios and hands-on exercises. Participants will analyze detailed case studies of actual infrastructure projects, examining successful strategies and common pitfalls. You will engage in interactive workshops to practice drafting clauses, managing claims, and negotiating with various stakeholders. We use a variety of tools, including project management software demos and risk assessment frameworks, to show you how to apply what you learn. We encourage active participation and group discussions, giving you the chance to share experiences and learn from your peers. At BIG BEN Training Center, we believe this immersive approach provides the most effective way to build the confidence and skills needed to manage these high-stakes agreements successfully.

Course Agenda (Course Units):

Unit One: Introduction to EPC Contracts

- Understanding the full scope of EPC contracts.
- Key roles and responsibilities of the parties.
- Risk allocation and management in EPC agreements.
- Contractual structure and essential clauses.
- Negotiating the initial contract terms.

Unit Two: Managing the Project Lifecycle

- Project planning and scope management.
- Schedule management and delay analysis.
- Cost control and budget oversight.
- Monitoring performance and progress reporting.
- Quality assurance and control.

Unit Three: Handling Variations and Claims

- Understanding variations and changing orders.
- Developing and submitting claims.
- Evaluation and negotiation of claims.
- Dealing with unforeseen events and force majeure.
- Documentation best practices for claims management.

Unit Four: Dispute Resolution and Avoidance

- Common causes of disputes in EPC projects.
- Proactive strategies for dispute avoidance.
- Mediation, conciliation, and expert determination.
- Arbitration in international construction disputes.
- Termination clauses and consequences.

Unit Five: Financial and Legal Considerations

- Payment terms and financing structures.
- Bonds, guarantees, and letters of credit.
- Insurance requirements in EPC contracts.
- Compliance with local and international law.
- Contract closeout procedures and final certification.

FAQ:

Qualifications required for registering to this course?

There are no requirements.

How long is each daily session, and what is the total number of training hours for the course?

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and interactive activities, bringing the total duration to 20 - 25 training hours.

Something to think about:

How can a holistic and integrated approach to risk management, encompassing technical, financial, and legal aspects, transform a high-risk EPC project into a predictable and successful venture?

What unique qualities does this course offer compared to other courses?

This training course is different because it focuses on a complete, integrated approach to managing EPC contracts, rather than just covering legal clauses. While other programs may touch on individual topics, our curriculum links technical, financial, and legal aspects of a project to create a cohesive management strategy. We go beyond theoretical knowledge, using hands-on exercises and real-world case studies to help you apply what you learn immediately. We also provide unique insights into risk allocation and dispute avoidance, giving you the tools to proactively protect your project before issues escalate. The course's structure is designed for professionals who need to manage every part of a project, from the initial bid to the final closeout. You will leave with a strategic mindset and the practical skills to handle the complexities of EPC contracts, helping you to deliver projects on time and on budget while building a strong foundation for future success.