Mastering Delay Analysis in Construction Contracts Training Course

17 - 21 Nov 2025
Sharm El-Sheikh

AGILE LEADERS
Training Center

Mastering Delay Analysis in Construction Contracts Training Course

Ref.: 36331_261946 **Date:** 17 - 21 Nov 2025 **Location:** Sharm El-Sheikh **Fees:** 3300 **Euro**

Course Overview:

The Mastering Delay Analysis in Construction Contracts Training Course equips professionals with advanced Methods to navigate and analyze delays in construction projects. Participants will learn to identify construction delays, understand the delay claim life cycle, and use industry-standard techniques to resolve project delays effectively. The course covers practical methodologies such as As-Planned vs. As-Built analysis, forensic schedule analysis, and the application of the SCL Delay and Disruption Protocol. Through case studies and interactive sessions, professionals will master delay analysis techniques while adhering to construction contract compliance and mitigating risks in construction projects.

Target Audience:

- Project Managers in the construction industry
- Contract Managers and Construction Lawyers
- Delay Analysts and Forensic Schedulers
- Construction Engineers involved in project planning
- Quantity Surveyors and Claims Consultants

Targeted Organizational Departments:

- Project Management and Planning Departments
- Construction Legal and Claims Teams
- Engineering and Operations Management
- Contract Administration and Compliance Departments

Targeted Industries:

- Construction and Infrastructure Development
- Real Estate and Property Management
- Engineering and Architectural Firms
- Oil and Gas Infrastructure Projects
- Government and Municipal

Course Offerings:

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

- Identify and analyze construction delays and delay claim life cycles.
- Effectively apply CPM programming techniques and validate project baselines.
- Perform As-Planned vs. As-Built analysis and handle concurrent delays.
- Implement the SCL Delay and Disruption Protocol and conduct forensic schedule analysis.
- Mitigate delays through acceleration strategies, manage total float, and prepare claims using electronic records.

Training Methodology:

This course will use case studies, group discussions, and workshops to teach delay analysis techniques. Participants will analyze real construction projects, learn critical path methods CPM and disruption analysis, practice negotiation, and work with project data to handle delays effectively.

Course Toolbox:

- ebooks on delay analysis techniques
- Templates for baseline validation, total float management, and programme approval
- Checklists for disruption and delay claims

Course Agenda:

Day 1: Introduction and Basics of Delay Analysis

- **Topic 1:** Introduction to Construction Delays
- **Topic 2:** Identifying Construction Delays
- **Topic 3:** Analysing Construction Delays
- **Topic 4:** Delay Claim Life Cycle
- **Topic 5:** Burning Issues in Delay Analysis
- **Topic 6:** Case Study on Delay Analysis
- **Reflection & Review:** Reflecting on the fundamentals of delay analysis and identifying the first steps in dealing with delays.

Day 2: Construction Programming Techniques

- **Topic 1:** Introduction to Construction Programmes
- **Topic 2:** Project Planning and Work Breakdown Structure
- **Topic 3:** CPM Programming Techniques Activity Durations and Relationships
- **Topic 4:** Event Date Calculations Forward and Backward Pass
- **Topic 5:** Total Float and Constraints in Project Planning
- **Topic 6:** Baseline Validation Techniques
- **Reflection & Review:** Review of planning and programming in construction and discussion on CPM programming.

Day 3: Delay Identification and Analysis

- **Topic 1:** Identifying Delay Events
- **Topic 2:** Delay Identification and Recording Techniques
- **Topic 3:** Introduction to Disruption and Delay
- **Topic 4:** Calculating Disruption and Establishing Cause
- **Topic 5:** Total Cost Claims and Global Claims in Construction
- **Topic 6:** Measured Mile Analysis for Delay Claims
- **Reflection & Review:** Reflecting on delay identification, calculation, and global claims.

Day 4: Advanced Delay Analysis Techniques

- **Topic 1:** Introduction to Delay Analysis Techniques
- **Topic 2:** Using CPM Techniques for Delay Analysis
- **Topic 3:** Additive Methods of Delay Analysis
- **Topic 4:** Impacted As-Planned and Time Impact Analysis
- **Topic 5:** Collapsed As-Built and As-Built Based Methods of Analysis
- **Topic 6:** Selection Criteria and SCL Delay and Disruption Protocol
- **Reflection & Review:** Review of advanced techniques for delay analysis and introduction to SCL protocol.

Day 5: Problematic Issues and Delay Mitigation

- **Topic 1:** Float and Delay Claims in Construction
- **Topic 2:** Concurrency and Delay Analysis in Construction Contracts
- **Topic 3:** Acceleration and Mitigation Strategies for Delays
- **Topic 4:** Effective Presentation of Delay Analysis
- **Topic 5:** Case Study: Airport Terminal Expansion and Delay Analysis
- **Topic 6:** Practical Application: Preparing Graphical Presentations and Reports for Delays
- **Reflection & Review:** Review of problematic issues in delay analysis and practical tips on mitigating delays.

How This Course is Different from Other Courses:

The Mastering Delay Analysis in Construction Contracts Training Course provides an immersive, hands-on experience with practical applications of delay analysis techniques. Unlike other courses, this program emphasizes real-world problem-solving through comprehensive case studies. Participants will gain the robust ability to apply advanced Methods such as forensic schedule analysis, SCL Delay Protocol, and total float management to their own projects, ensuring they can effectively navigate and resolve delays. With personalized feedback and interactive sessions, this course guarantees that each participant leaves with a deep understanding of construction project planning, disruption analysis, and time control strategies that they can immediately implement in their careers.

WHO WE ARE

Agile Leaders is a renowned training center with a team of experienced experts in vocational training and development. With 20 years of industry experience, we are committed to helping executives and managers replace traditional practices with more effective and agile approaches.

OUR VISION

We aspire to be the top choice training provider for organizations seeking to embrace agile business practices. As we progress towards our vision, our focus becomes increasingly customer-centric and agile.

OUR MISSION

We are dedicated to developing value-adding, customer-centric agile training courses that deliver a clear return on investment. Guided by our core agile values, we ensure our training is actionable and impactful.

WHAT DO WE OFFER

At Agile Leaders, we offer agile, bite-sized training courses that provide a real-life return on investment. Our courses focus on enhancing knowledge, improving skills, and changing attitudes. We achieve this through engaging and interactive training techniques, including Q&As, live discussions, games, and puzzles.

AGILE LEADERS
Training Center

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Gamified and
Interactive Training

We understand that training delivery can be challenging, both online and offline. To ensure engagement and achieve learning objectives, we have developed our own activities and collaborated with industry-leading solutions to gamify our training sessions. This approach increases interaction levels and guarantees effective learning outcomes.

Our Training
Cate gories

We cover a wide range of training categories to cater to different needs and interests

Branding, Marketing, Customer Relations, & Sales Programs
Finance and Accounting Programs
Human Resources Management Programs
Management & Leadership Programs

Political & Public Relations Programs
Project Management Programs
Quality & Process Management
Self-Development Programs

Join Agile Leaders today and embark on a transformative journey towards becoming a more agile and effective leader. Experience our customer-centric approach, actionable training, and guaranteed return on investment. Let us help you unleash your full potential in the dynamic business landscape.

Where to
Find Us

You can join our training programs at our centers located in

We also offer online training sessions through the Zoom platform.

Malaysia	Morocco	Spain	France	UK	Italy	Egypt	Turkey	Georgia	Azerbaijan	UAE
Kuala Lumpur	Casablanca	Barcelona	Paris	London	Rome	Cairo Sharm El-Sheikh	Istanbul	Tbilisi	Baku	Dubai

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