

Mastering Delay Analysis in Construction Contracts Training Course

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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.

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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.

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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.

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Training Course Categories

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- Agribusiness & Food Security Training Courses
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- Communication and Public Relations Training Courses
- Crisis Management and Business Continuity Training Courses
- Data Analytics Training and Data Science Courses
- Digital Government & Public Service Training Courses
- Education and Learning Development Training Courses
- Environment & Sustainability Training Courses
- Facilities and Real Estate Training Courses
- Finance and Accounting Training Courses
- Governance, Risk and Compliance Training Courses
- Healthcare Management Training Courses
- Heritage Conservation and Museum Management Training Courses
- Hospitality and Tourism Training Courses
- Human Resources Training and Development Courses
- IT Security Training & IT Training Courses
- Leadership and Management Training Courses
- Legal Training, Procurement and Contracting Courses
- Maintenance Training and Engineering Training Courses
- Marketing, Customer Relations, and Sales Courses
- NGO, Humanitarian and Development Management Training Courses
- Occupational Health, Safety and Security Training Courses
- Oil & Gas Training and Other Technical Courses
- Personal & Self-Development Training Courses

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Training Course Categories

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- Secretarial and Administration Training Courses
- Shipping, Maritime and Ports Training Courses

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