



CONSTRUCTION MANAGEMENT | CM-025

Lean Construction

Contact

+31 85 7444446
info@aractech.com
https://aractech.com

Address

Waarderweg 50, 2031PB Haarlem - Netherlands.

Course content

Why Attend

Construction productivity has lagged other industries for decades. Lean construction applies lean principles to reduce waste, improve flow and increase reliability of planning.

This Aractech course covers lean principles in construction, the Last Planner System, pull planning, takt planning, constraint removal, daily huddles, waste identification, collaborative contracting and measuring reliability. Participants run a pull planning session.

Course Methodology

- Simulations
- Pull planning workshop
- Case studies
- Group discussions
- Action planning

Course Objectives

- Explain lean principles for construction
- Apply the Last Planner System
- Facilitate pull planning sessions
- Use takt planning and constraint analysis
- Identify and eliminate construction waste
- Measure planning reliability and improve

Target Audience

- Construction managers
- Site engineers

Course content

- Planners
- Project managers

Course outline

Detailed course outline

Day-by-day outline for Lean Construction.

Day 1 - Lean Construction Principles

- 09:00-09:45 | Waste in construction
- 09:45-10:30 | Lean principles
- 10:30-11:00 | Value
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Value (continued)
- 11:45-12:30 | Flow
- 12:30-14:00 | Simulation: Lean game

Day 2 - Last Planner System

- 09:00-09:45 | Master and phase scheduling
- 09:45-10:30 | Look-ahead planning
- 10:30-11:00 | Weekly work plans
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Weekly work plans (continued)
- 11:45-12:30 | Percent plan complete
- 12:30-14:00 | Workshop: Look-ahead plan

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Day 3 - Pull and Takt Planning

- 09:00-09:45 | Pull planning
- 09:45-10:30 | Takt planning
- 10:30-11:00 | Constraint removal
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Constraint removal (continued)
- 11:45-12:30 | Visual planning
- 12:30-14:00 | Practice: Pull planning session

Day 4 - Daily Management

- 09:00-09:45 | Huddles
- 09:45-10:30 | Problem solving
- 10:30-11:00 | Quality at source
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Quality at source (continued)
- 11:45-12:30 | Safety integration
- 12:30-14:00 | Case study: Lean project

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Day 5 - Collaboration and Metrics

- 09:00-09:54 | Collaborative contracts
- 09:54-10:48 | Metrics
- 10:48-11:00 | Continuous improvement
- 11:00-11:30 | Coffee break
- 11:30-12:12 | Continuous improvement (continued)
- 12:12-13:06 | Culture
- 13:06-14:00 | Capstone: Lean implementation plan

Seminar dates

Available seminar dates

Live dates and pricing for Lean Construction generated from the course details page.

Date	Location	Format	Fee
9 - 13 November 2026	Barcelona	Classroom	€2,815
14 - 18 December 2026	Munich	Classroom	€3,225
18 - 22 January 2027	Amsterdam	Classroom	€2,830
15 - 19 February 2027	London	Classroom	€2,315
15 - 19 March 2027	Munich	Classroom	€3,225
19 - 23 April 2027	Barcelona	Classroom	€2,815
17 - 21 May 2027	Paris	Classroom	€3,825
21 - 25 June 2027	Barcelona	Classroom	€2,815
19 - 23 July 2027	Munich	Classroom	€3,225
16 - 20 August 2027	Amsterdam	Classroom	€2,830

Seminar dates

Available seminar dates

Live dates and pricing for Lean Construction generated from the course details page.

Date	Location	Format	Fee
20 - 24 September 2027	London	Classroom	€2,315
18 - 22 October 2027	Munich	Classroom	€3,225
15 - 19 November 2027	Barcelona	Classroom	€2,815
20 - 24 December 2027	Paris	Classroom	€3,825
9 - 13 November 2026	Online / Live	Online / Live	€1,815
14 - 18 December 2026	Online / Live	Online / Live	€1,815
18 - 22 January 2027	Online / Live	Online / Live	€1,815
15 - 19 February 2027	Online / Live	Online / Live	€1,815
15 - 19 March 2027	Online / Live	Online / Live	€1,815
19 - 23 April 2027	Online / Live	Online / Live	€1,815

Seminar dates

Available seminar dates

Live dates and pricing for Lean Construction generated from the course details page.

Date	Location	Format	Fee
17 - 21 May 2027	Online / Live	Online / Live	€1,815
21 - 25 June 2027	Online / Live	Online / Live	€1,815
19 - 23 July 2027	Online / Live	Online / Live	€1,815
16 - 20 August 2027	Online / Live	Online / Live	€1,815
20 - 24 September 2027	Online / Live	Online / Live	€1,815
18 - 22 October 2027	Online / Live	Online / Live	€1,815
15 - 19 November 2027	Online / Live	Online / Live	€1,815
20 - 24 December 2027	Online / Live	Online / Live	€1,815