

Course Description

Designed specifically for the construction trades Foremen and Supervisory roles who are leading the execution of value-added work on a construction site. The participants of the Supervising Lean Construction Certificate program develop an understanding of the methods and tools required to set up highly flexible and efficient daily operations on the Lean Construction site. They will understand the relationship between supply of materials and how the organization of the work impacts their trades ability to correctly execute the work. Team leaders learn the importance of the daily huddle, visual communications, 8 Wastes, and types of work needed to optimize value creation on site. The program explores and delivers a practical method for planning the day to day execution with a visual system setting commitment benchmarks and targets required to achieve the project schedule.

Program Objectives

- To build the Lean Construction knowledge and skills required to confidently participate at the site level daily trade meeting.
- To understand how Lean Construction has changed the supervisory role and how to be Lean even when the site is not.
- To learn how to develop, set up, and implement your own teams daily huddle and production commitment boards.

Course Structure

Setting Up the Operating System

Module	Leaning Outcomes	Hours	
SLC1	Introduction to Lean; Lean Construction Toyota, Empire State, 5 Principles, Value in the Customers eyes	4	
SLC2	Lean Construction; Impacts on the Supervisory Role Lean Construction Model, The Daily Huddle, Motivation and Commitments, Adapting Lean, Culture	4	
SLC3	Seeing Work and Recognizing Waste Visual Communication/Systems, 5S Tools and Supplies, Materials Receipt, Types of work; The 8 Wastes	5	
SLC 4	Planning the Work Managing Constraints, Pull Planning, Building Flexibility, Duration Commitment and Actuals	5	
SLC5	Executing and Completing the Work Setting the Plays, Last Planner, Plan Percent Complete	4	

Total Instructional Hours: 22

Price

\$6000.00 per student.

Instructor Background & Credentials

Michel Handfield, founder of Valueadd Lean is an operations expert who sets the bar high across every organization he touches. His ongoing efforts towards the implementation of Lean Manufacturing Principles include but are not limited to: lean construction, project management, engineering, new product development, base business, manufacturing and through out the knowledge processes.

Michel was introduced to Lean in 2003 and quickly gathered Lean knowledge to actively improve the organizations he was supporting. In 2007 he began to specialize in the delivering of Lean Principles holding black belts in Six Sigma and Lean. Completing a Masters Certificate in Project Management after graduating from Mechanical Engineering Technology. He has excelled at continuous improvement and the application Lean across all aspects of the business.