



<b>Training Course</b>	<b>Implementing Lean Construction</b>
<b>Course Language</b>	<b>English</b>
<b>Course Duration</b>	<b>Total Number of hours: 24 Time: TBD</b>
<b>Course Objectives</b>	To introduce participants to the ideas that drives innovation and change in a lean enterprise in the construction sector.
<b>Course Content</b>	<ul style="list-style-type: none"><li>• Value of the customer</li><li>• Kano Model</li><li>• Project Charter -</li><li>• Gantt chart</li><li>• Project Team formation</li><li>• SIPOC Diagram</li><li>• Scoping of the project</li><li>• JIT –Just in Time</li><li>• Detail Process Mapping</li><li>• Collaborative Planning</li><li>• Hoshin Kanri</li><li>• Value stream Mapping</li><li>• Value Stream traditional vs Customer focus thinking</li><li>• Cycle time, Lead Time and Takttime</li><li>• % C&amp;A Metrics (Quality)</li><li>• Activity Ratio</li></ul>



## Course Content

- Drawing Current state value stream mapping
- Exercise on VSM
- Future State VSM
- Mean and Median differences and understanding
- 5-Why analysis
- Cause and Effect Diagram
- Concept of Kanban
- Kaizen
- Leader standard work
- Variation in Production Systems
- Pull in Production
- Lean Work structuring
- Lean Supply Chain and Assembly
- Basics of Managing Projects
- Approach to understand Project Scope
- Understanding the Stakeholders
- Managing project uncertainty & Known-Unknowns
- Risk Analysis
- Validating Assumptions & Managing Constraints
- 5S work place organization and improvements to site
- Structured problem solving –DMAICT / RDMAICT
- The essence of Last Planner® System
- Simulations



<b>Learning Outcomes</b>	Enabling work flow so that crews are more productive Improving Visual Management Ensuring Best practice implementation Building “Look ahead schedules “ Instilling Continuous improvement Minimizing overall project durations
<b>Target Audience</b>	Site manager Senior construction supervisor Design discipline leader Senior line managers Project managers
<b>Course Material /Technology used/ Details Relevant to the course.</b>	<b>Softcopy of materials/Online Web based platform</b>