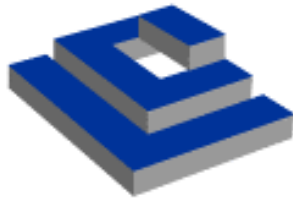


Now more than ever, success depends on *Lean Project Delivery*.



Lean Construction Institute
Building knowledge in design & construction

Introduction to Lean Construction

October 2 - 3, 2003

IGI Center on the UNLV Campus, Las Vegas, Nevada

Join a revolution in the making

Lean production management caused a revolution in the manufacturing world. Lean theory challenged the traditional notions about how to plan and manage work – and achieved new levels of performance in return. Products were manufactured in less time, at lower costs, and with improved quality.

A similar revolution is happening in construction, turning conventional wisdom on its head. Projects don't have to cost so much or take so long. Projects don't have to be as dangerous – and they don't have to end in a tangle of lawsuits.

Applied in practice, Lean Construction makes it possible to improve quality AND shorten project duration while reducing cost. This seminar will show you how to bring new levels of cooperation, integration and performance to your projects.

Introduction to Lean Construction introduces the philosophy, principles and techniques of Lean Project Delivery. This new approach to project delivery is supported with examples, case studies and simulations.

When projects use Lean Project Delivery...

- **Value to the client drives planning at every level.**
- **Waste is reduced because work flow is more predictable and lead-times are shorter. Productivity improves.**
- **Obstacles are removed. Work is ready to be done when it is assigned**
- **Safety improves as projects become more stable.**
- **Project control systems do more than report project progress – they make things happen.**
- **Planning system performance is measured and improved. The lessons learned each week are immediately applied.**
- **The project team's designers, suppliers, and contractors are linked together by a planning system that works; they help each other, instead of blaming each other.**

Who should attend:

We suggest that interested companies send **two representatives** to the seminar. One should be **directly involved in managing projects** (project manager, procurement manager, site superintendent, shop manager, construction manager); and the other should be **a corporate manager close to operations** (operations manager, division head, production manager, facilities manager).

The seminar is intended for:

- Project owners
- Architects / Engineers
- Design/build (EPC) contractors
- Designers
- Contractors
- Suppliers (equipment and services)

Participants have found that this approach helps them understand how Lean Construction can improve both project and corporate performance. Please note that LCI offers registration discounts for additional participants.

AGENDA: Introduction to Lean Construction

October 2, 8 am - 4:30 p.m.

- Introduction of LCI and instructors
- Dependency, Uncertainty and Workflow
- The Last Planner System of Production Control
- The Lean Project Delivery System: an overview

October 3, 8 am - 4:30 p.m.

- Metal Doors: A Case Study in Work Structuring
- The Lean Project Delivery System: A closer look
- Implementation
- Putting it all together

What others have said about the Lean Construction Institute and its approach:

“MT Højgaard – the largest construction company in Denmark – has applied the Last Planner System on more than 25 building projects during the last two years. No matter what the size or type of project, **the Last Planner System™ improves the building process and hence the overall result...**

“Benefits of using the Last Planner System compared with traditional approaches to planning are **reduction in costs, projects that are on or ahead of schedule, and a shorter punch list.**

“However, the most significant improvement is the **lower accident frequency and severity.** For the first half year of 2002, the accident frequency is one-third for projects using the Last Planner System™ compared with projects managed by traditional planning methods. This difference is statistically significant.”

-- Mikkel Andreas Thomassen, MT Højgaard Project Manager

"Last Planner has effectively launched Boldt into the implementation of the Lean Project Delivery System. Using Last Planner as a starting point, we have experienced significant improvement in project performance, and we are now on a path into deeper Lean implementation."

- Paul Reiser, The Boldt Company VP Production and Process Innovation

Registration fees:

Non-LCI members: \$895 for one participant from your company.
\$795 for each additional participant from your company

LCI members: \$595 for each participant
Workbook, refreshment breaks, and lunch are provided

To learn more after the seminar:

After the seminar, participants are often interested in learning more and applying Lean theory to their projects. We offer a follow-up workshop, **Implementing the Last Planner System™** (December 4-5, 2003). This workshop provides the tools and techniques needed to implement the Last Planner System™.

LCI will return the seminar fee to those who see no value in the seminar or the ideas presented in it.

Registration Information

This seminar is co-sponsored and hosted by the Management Assistance Partnership (MAP) of Nevada. Visit www.mapnv.com for online registration (scroll down home page to “Lean Construction Seminars”).

The seminar will take place at the Stan Fulton International Gaming Institute at the University of Nevada-Las Vegas Campus. Situated on the southeast corner of Flamingo Road and Swenson Street, the institute is conveniently located near many of Las Vegas’ famous casino/resort hotels. Participants are responsible for their own hotel accommodations. Please see the map on the following page.

Lean Construction Institute

A division of

The Center for Innovation in Project & Production Management

. The Lean Construction Institute, a non-profit research organization, is dedicated to developing, applying and extending lean principles to the design, management, and improvement of project-based production systems.

Learn more about us at www.leanconstruction.org

E-mail us at mail@leanconstruction.org to receive future announcements by e-mail.

