

Announcing

The *Third Annual*  
**Lean Construction Congress**  
*"Getting It Started - Keeping It Going"*

## 2-Day Seminar and Congress

Introduction to Lean Construction

*A New Way to Manage Designing and Building*

August 1 & 2, 2001

3rd Annual Lean Construction Congress

*Reports from Practitioners on Lean Construction in Action*

August 3, 2001

Both the Seminar and Congress held at the Berkeley Marina Radisson Hotel, Berkeley, CA

## What is Lean Construction?

Lean Construction is a production management based approach to project delivery; a new way to design and build capital facilities. Lean production management has caused a revolution in manufacturing design, supply and assembly. Applied to construction, Lean changes the way work is done throughout the delivery process.

"Introduction to Lean Construction" links the objectives of the production system - maximize value and minimize waste - to specific techniques and applies them in a new project delivery process. Lean Construction is particularly useful on complex, uncertain and quick projects. It challenges the belief that there must always be a trade between time, cost, and quality. When projects are managed with Lean Construction:

- The facility and its delivery process are designed together to better reveal and support customer purposes. Positive iteration within the process is supported and negative iteration reduced.

- Work is structured throughout the process to maximize value and to reduce waste at the project delivery level.
- Efforts to manage and improve performance are aimed at improving total project performance because it is more important than reducing the cost or increasing the speed of any activity.
- "Control" is redefined from "monitoring results" to "making things happen." The performance of the planning and control systems are measured and improved.
- The reliable release of work between specialists in design, supply and assembly assures value is delivered to the customer and waste is reduced.

Lean construction is a new form of project management and not a productivity improvement program.

## Who Should Attend?

The seminar introduces lean theory along with essential features and tools needed to manage production throughout the project. Typical attendees represent companies looking beyond partnering or TQM to redesigning their processes to support design/build contracting. We suggest designers, contractors, and suppliers considering this approach send two representatives; a senior executive, such as the manager of operations, and a person very close to the work, perhaps as a design leader, site superintendent or foreman, or a fabrication shop manager. Owners send facilities and/or procure-

ment managers and their construction managers. Suppliers to the industry will discover new ways to improve their products and services. After the seminar, attendees are interested in learning more and applying lean to their projects or they are not. Some may decide to join LCI to support further research, including participation in implementation; others begin implementation on their own or with consulting support. We return the seminar fee to those who see no value in the ideas or from the seminar.

## Coming Events

Lean construction is reforming the way projects are managed. The Lean Construction Institute (LCI) presents three days devoted to this new and often counter intuitive approach. **“Introduction to Lean Construction,”** a 2 day seminar, explains lean construction, contrasts it with current practice, and provides a principle based road map for implementation. Special emphasis is placed on production planning and control in design and construction, and maximizing value adding iterations while minimizing wasteful ones.

**“The 3rd Annual Congress: Getting it Started, Keeping it Going”** is a full day of reports from people applying lean construction to transform the way they manage projects and their companies. Practitioners will explain how they are

implementing various aspects of the Lean Project Delivery System, the obstacles and opportunities encountered and results achieved. How they got started and how they have maintained the momentum will be a common theme.

LCI is hosting the **“Owners Advisory Council.”** This meeting is open to Owners, the people who buy construction, and LCI members. The meeting will be organized to explore what owners want and how LCI can support their objectives. We will start with a discussion of the issues raised during “Introduction” and the “Congress” and then LCI research will be examined in light of the problems facing owners. There is no charge but space is limited. Please let us know if you wish to attend.

## Events Schedule

### Introduction to Lean Construction

**8am–4:30pm, Wednesday, August 1st**

- Introduction of LCI and Instructors
- What is Lean Construction?
- Dependency, Uncertainty and Workflow.
- The Last Planner System of Production Control
- The Lean Project Delivery System: an overview

**8am–4:30pm, Thursday, August 2nd**

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

### Reception for Intro and Congress Participants

**5:30-7:30pm, August 2nd**

### 3rd Annual Lean Construction Congress

**8am–4:30pm, Friday August 3rd**

Presentations will include:

#### Getting It Started, Keeping It Going: Implementation on Special Projects

*The Neenan Company*

#### Lean Transformation of a Fabrication Supplier

*Mallings, UK*

#### A Design Management Solution for Major Capital Projects

*O'Rourke, UK*

#### The Edge in Mechanical Construction: Working the Design Construction Interface

*Gowan Mechanical*

#### Two years In: What We Have Learned

*Oscar J. Boldt*

#### Building Value & Assuring Cost: Preconstruction Design Build Collaboration

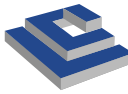
*Southland Industries and Hensel Phelps*

#### Office to Field: Leading the Lean Leap

*Butler Construction*

#### Lean Construction in Chile: A National Strategy and Local Results

*Dr. Luis Alarcon*



## About the Lean Construction Institute

LCI was formed in August 1997. Now a nonprofit corporation, we are working to develop knowledge concerning the management of production in the design, engineering, supply, and construction of capital facilities, and to support implementation of the results. We conduct research with contributors and our own staff, and support research in related universities.

For more information on The Lean Construction Institute, please visit our web site at: [www.leanconstruction.org](http://www.leanconstruction.org)

**June 7/8, 01** Research Meeting: Fabrication and Supply  
- Denver

**Aug 1/2, 01** Introduction to Lean Construction  
- Berkeley

**Aug 2, 01** Implementation Support  
- Berkeley

**Aug 3, 01** 3rd Annual Lean Congress  
- Berkeley

**Aug 4, 01** Owner's Advisory Council  
- Berkeley

**Aug 4, 01** Annual LCI Meeting  
- Berkeley

**Sept 27/28, 01** Research Meeting: Production Management  
- Kansas City

**Oct 18/19, 01** Introduction to Lean Construction  
- Chicago

## Registration Information

### Introduction to Lean Construction:

\$1200 - Non members (25% off for additional attendees; plus 10% off registrations received 30 days before seminars)  
\$400 - LCI members, and their demand and supply chain affiliates; no discounts apply

### The 3rd Annual Congress

\$600 - Non members Discounts as above.  
\$300 - LCI Members

### Combination: Introduction to Lean Construction & 3rd Annual Lean Construction Congress

\$1600 - Non members Discounts as above.  
\$600 - LCI members

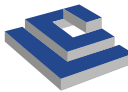
Registration Payment by check, Visa or Mastercard. Include Card Number, cardholder name and signature.

Send to: Lean Construction Institute  
Box 1003, Ketchum, ID 83340  
VOICE: 208/726-9989 • FAX: 707/248-1369  
Lean@micron.net - Send us a note and receive announcements by email.

Contact the Radisson Berkeley Marina Hotel for accommodations **800/243-0625** or **510/548-7920**. Ask for the Lean Construction Institute rate available until July 1, 2001.

Cancellation: Accepted and fee refunded until 2 weeks before seminar, \$150 cancellation fee thereafter.

A continental breakfast is provided at 7:30. Sessions begin at 8:00 and closing each day is 4:30. A Workbook, Lean Reader and lunch are provided.



## Seminar Registration Form

Name \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_

VISA/MC (circle one)

Card # \_\_\_\_\_ Exp \_\_\_\_\_

Cardholder Name \_\_\_\_\_

Signature \_\_\_\_\_

Sessions:

Introduction \_\_\_\_\_ Congress \_\_\_\_\_ Owner Advisory Council \_\_\_\_\_