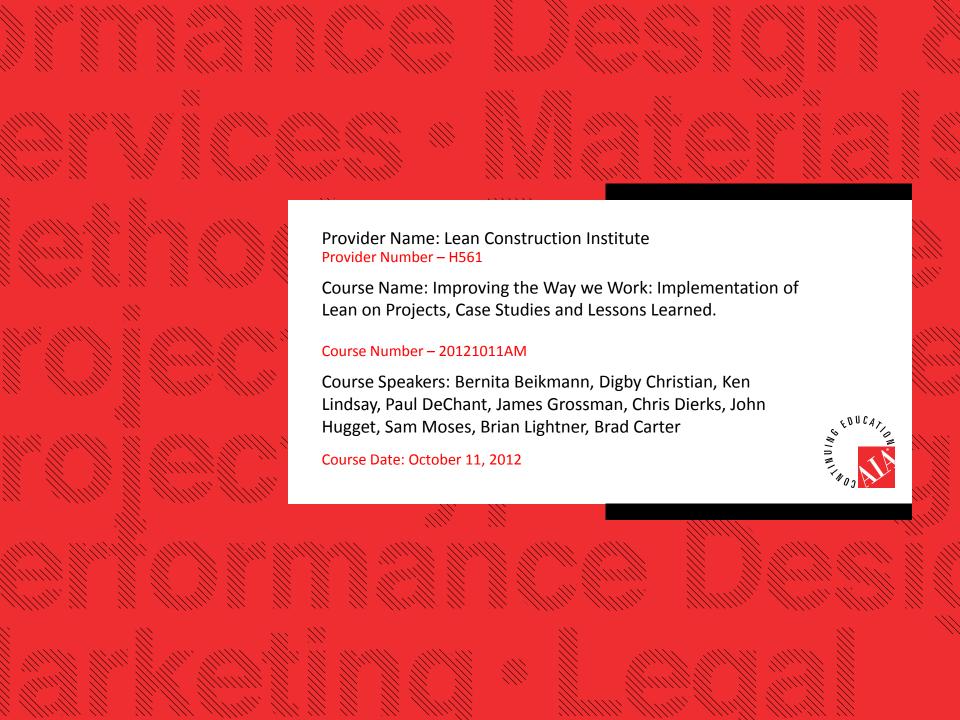


Lean Construction Institute

Building Knowledge in Design and Construction

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Course Description

This session incorporates testimonies and case studies from participants in projects that used lean methodologies to improve the design of their facilities and change the way they deliver a project in design and construction. The case studies will dive deep into specific tools and techniques that will improve the quality of buildings, create a safer and more reliable work environment, and improve the design and construction practice.

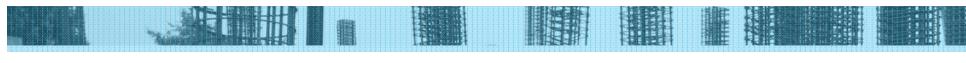


Learning Objectives

At the end of the this course, participants will be able to:

- 1) Learn how an owner applied Lean Methods and Practices to redesign healthcare operations within a facility and improve the delivery of patient care with improved work flow and facility operations and overall improve the patient experience.
- 2) Examine Case Studies from multiple projects in California, Illinois, and North Carolina and learn how incorporating 5s, increased levels of technologies including BIM, and other Lean Process Improvements has improved the schedule, quality, and communication on those projects.
- 3) Discover how incorporating Takt Planning and Daily Huddles in your Project can improve reliability with Construction Delivery.
- 4) Learn how incorporating pull planning techniques and the Last Planner System into the delivery of your project in design and construction will help facilitate communication between building system participants, help deliver your project on time, and create a safer construction site.



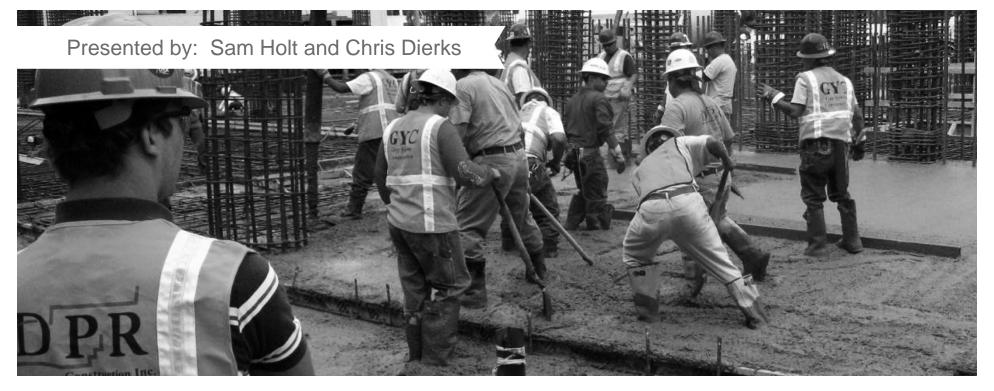


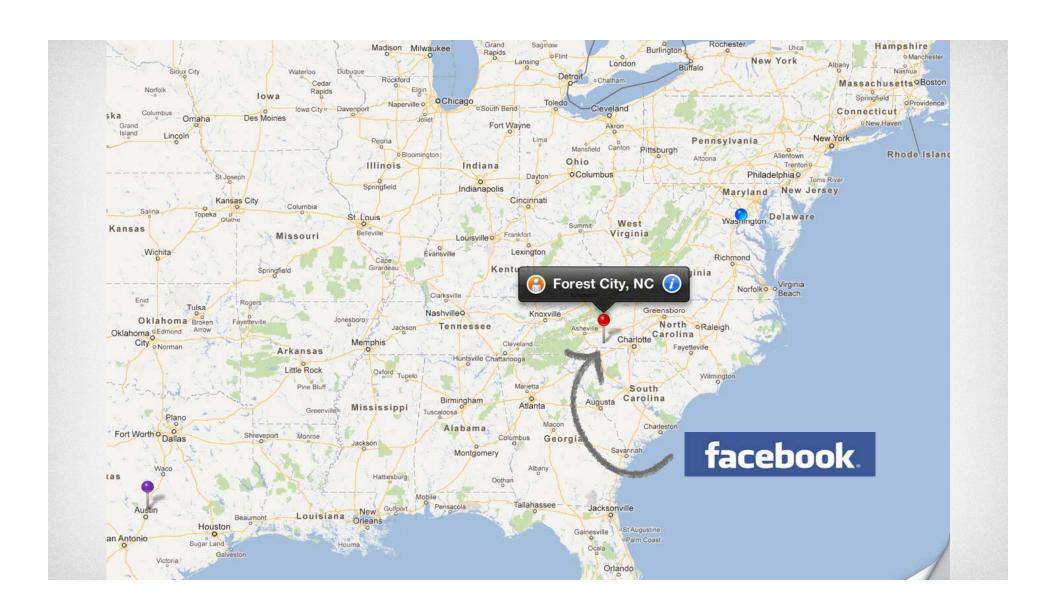
PRESENTATION FOR:

The facebook Journey

LCI Congress | Arlington, VA | October 11, 2012







IN THE MIDDLE OF "NOWHERE USA" NEED TO QUICKLY DEVELOP TRUST



PROJECT FACTS

- \$360 MM
- {2} 370,000 SF Buildings
- Schedule
 - Building One 11 months
 - Building Two 9 months
- Each Building has {4} 10MW Data Halls
- LEED Gold
- Implemented Various Lean Concepts
- Utilized ourPlan Collaborative Software

HOW DID WE START IMPLEMENTATION

- Education is Key
 - "New is Bad" Mentality
- A Week of Implementation Sessions
- Learning in Action Get Going
- DPR Planning Boards

PLANNING BOARDS



FOUR TYPES OF MEETINGS FOR PLANNING PRODUCTION



Pull Planning Sessions

PULL PLANNING





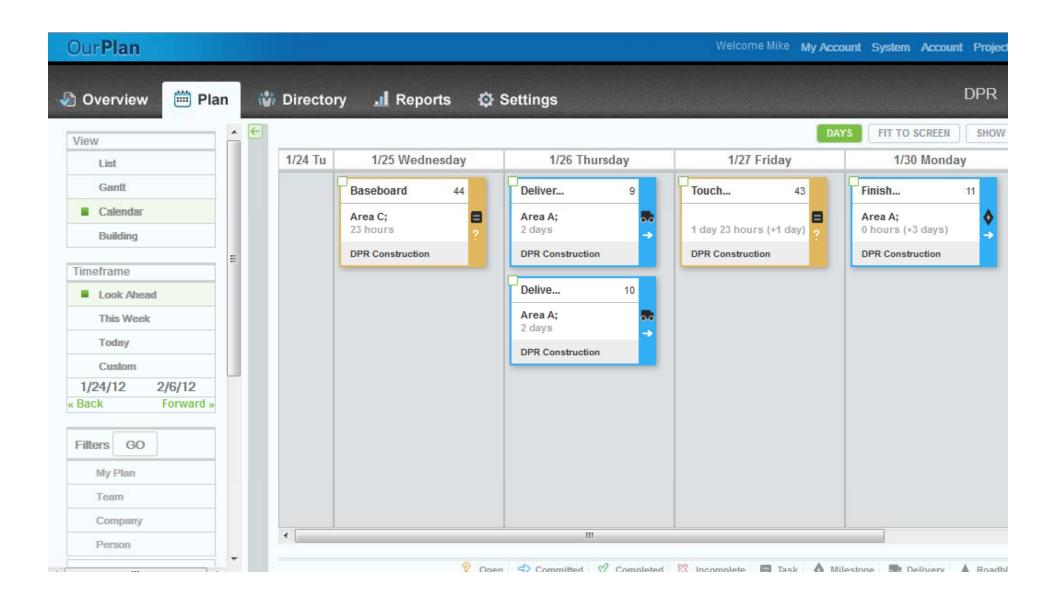
One on One Discussions

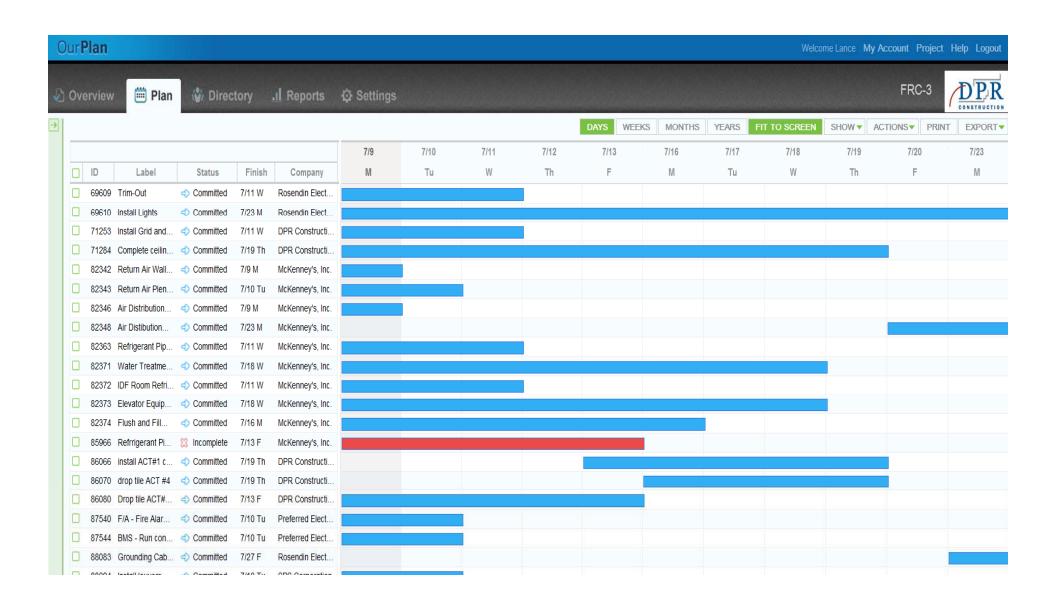
ONE ON ONE DISCUSSION



TIME TO MOVE ON TO OURPLAN









Weekly Trade Meeting

WEEKLY MEETING WITH TRADES



Stand and deliver of activities

Coordinate activities and clarify sequence of work



LOTS OF VISUAL TOOLS



4

Daily Stand-Up

DAILY STAND-UP



SUCCESS STORY

PEER PRESSURE IS GOOD



LESSONS LEARNED

- There is no one way for implementation, education is essential
- Utilize the people who "GET IT" to influence others
- Know what you want out of a meeting

This concludes The American Institute of Architects Continuing Education Systems Course

Lean Construction Institute



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