



Lean Construction Institute

Building Knowledge in Design and Construction

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Course Name: Improving the way we work - Case Studies from
Leading Owners

Course Number - 20121010AM

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Course

Description

This session incorporates testimonies and case studies from participants in projects that used lean methodologies to improve the delivery 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 owners have implemented lean in their organizations and on their projects
2. Examine case studies from the federal sector 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. Understand the factors driving clients to implement lean in their existing project delivery program.
4. Learn how to prepare responsive proposals that allow teams to secure work.



WALT DISNEY Imagineering

Migration Toward a Lean Practice



Why Migrate Toward Lean?

The Rationale for Lean

- Project geometric, integration complexity
- Disney as designer, executive CM, owner, operator
- Value increases with number of stakeholders (operational, show, ride)
- Opportunity to select partners on value basis
- Opportunity to shrink both discretionary and non-discretionary change reserves
- Opportunity to shrink schedules, design waste
- Opportunity to improve quality assurance
- Path from flat-lined performance to continuous improvement



A Wealth of Learning From Our Partners

Our Migration Toward Lean

- Significant investment in project pre-visualization with creative, operational partners
- Migrate form of contract and methodology away from design-bid-build to new models
- Significant investment in tools and training
- Partnerships to develop workflow models and virtual design and construction SOP
- Large scale pilot project successes, leading to strategic mandate for domestic and global practices
- Continuous learning summits with design, production and construction partners

Near-Term Future Pursuits

- Push ourselves to try new tools and methodologies on each project
- Only work with partners who will teach us something new on every project
- Push pre-fabrication and modular construction opportunities for each project
- Achieve practice adoption of virtual design and construction SOP with focus upon design workflow improvement
- Invest in large-scale international VDC pilot projects



WALT DISNEY Imagineering

Migration Toward a Lean Practice

This concludes The American Institute of Architects
Continuing Education Systems Course

Lean Construction Institute



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