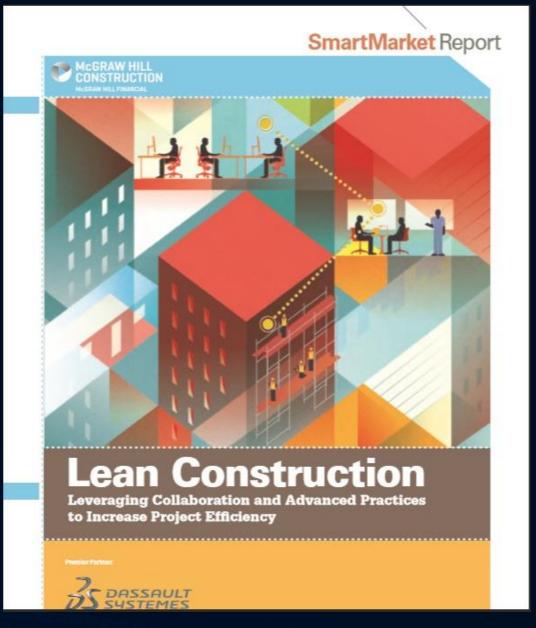
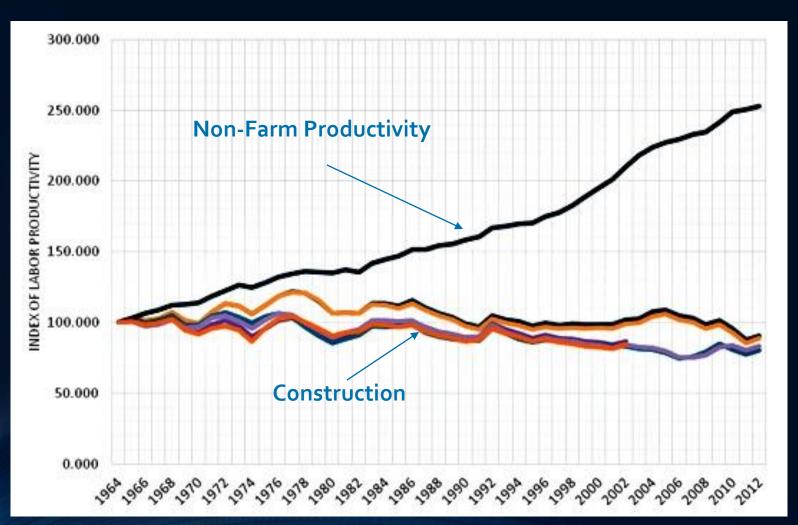
Lean Project Delivery and Design-Build Resources

PRESENTED TO ARIZONA CHAPTER OF DBIA AUGUST 13, 2014

Download a free copy at this link: http://analyticsstore.
construction.com/Le
anSMR13



Index of Construction Labor Productivity 1964-2012 (From Teicholz 2013)

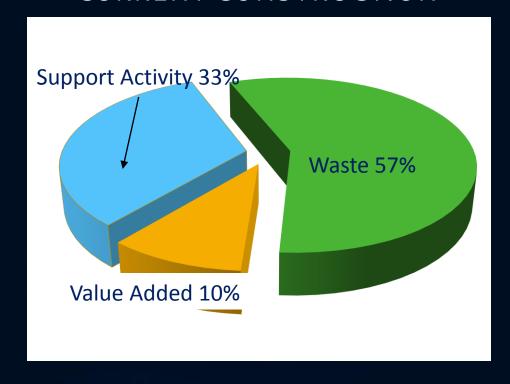


Construction Waste in the U.S.

CURRENT MANUFACTURING

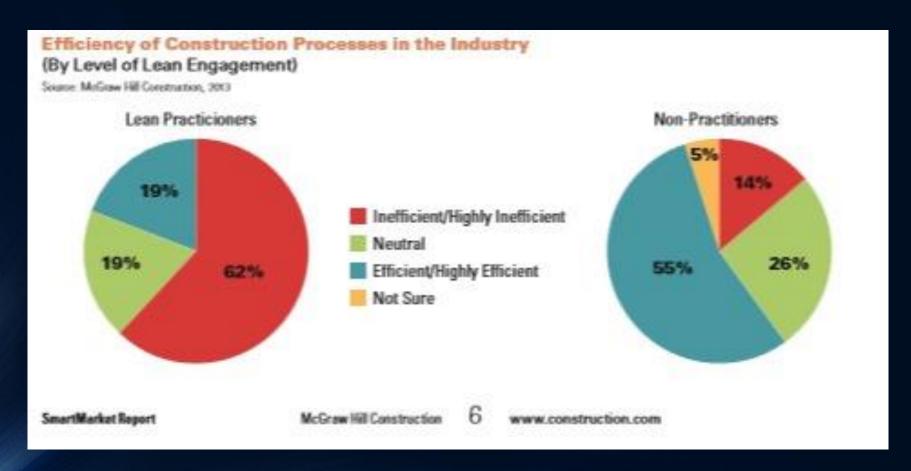
Support Activity 12% Waste 26% Value Added 62%

CURRENT CONSTRUCTION

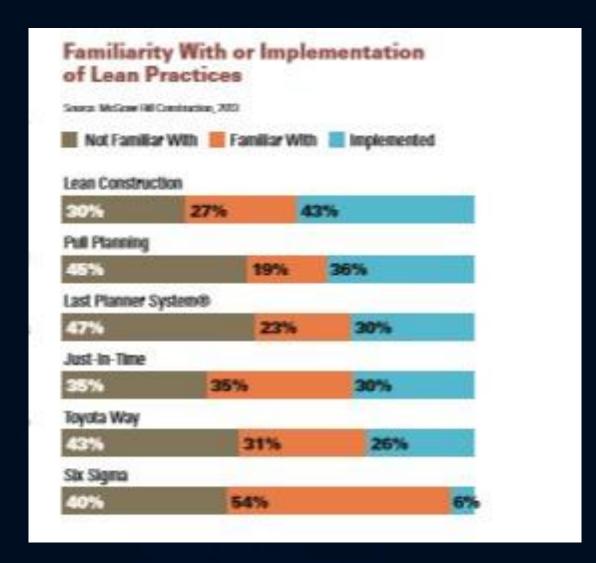


Source: Construction Industry Institute

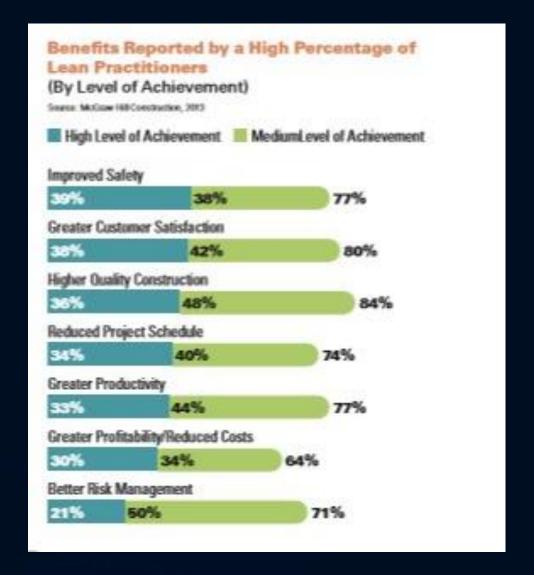
Construction Efficiency The Industry's Perspectives



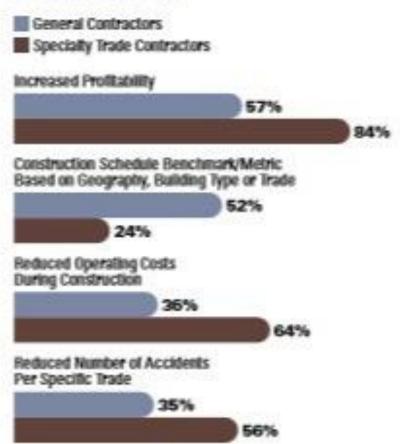
Familiarity with Lean Practices

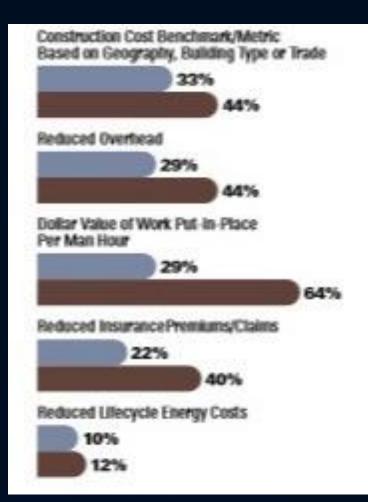


Benefits as Reported by Lean Practitioners



Objective Measures Used to Determine Benefits of Lean (According to Firms by Type) Save Militar Military (St.)



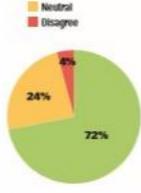


Savings From Lean Contribute to Firm's Bottom Line/Project Profitability

(According to GCs that Report Increased Profits/ Cost Savings)

Source McGraw Hill Construction, 2003

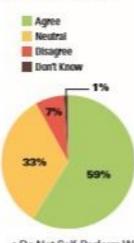
Agree .



Adoption of Lean Practices by Subcontractors Increases GC's Profit Margins

(According to GCs that Report Increased Profits/ Cost Savings)

Source: McGraw Hill Construction, 2010

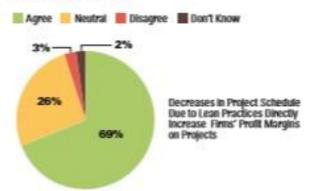


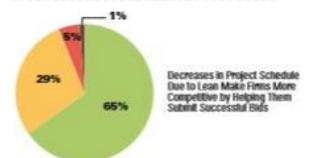
. Do Not Self-Perform Work: 39%

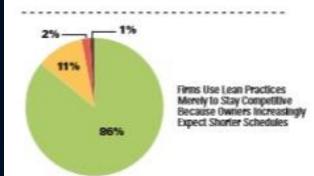
The Impact on Contractors of Schedule Decreases Due to the Adoption of Lean Practices

(According to Lean Practitioners)

Scenario McGraw Hill Construction, 2012







Top Challenges Faced in the Implementation of a Lean Approach (According to Lean Practitioners) Source McGrow Hill Construction, 2003 Lack of Knowledge 47% Lack of Sufficient Support Across the Project Team 43% Perception That Lean is Too Complex 40% Employee Resistance 40% Lack of Industry Support/ Understanding of Lean 39% Perception That Lean Will Take Up Too Much Time 31% Lack of Standards Concerns About Profitability Through the Transition to Lean Union Reluctance



DBIA Resources

"DBIA Certification guarantees that we all work together understanding our roles in project delivery. It lets us leave silo thinking and the old "us versus them" mentality behind. Instead we can embrace in action the principles of an integrated team. Successful projects are born from high-functioning performance teams. There is no other way to succeed."

Pat Nemeth, Vice President,
 Sharp Healthcare



Design Build Institute of America



www.dbia.org www.dbiawpr.org DBIA offers certification in designbuild project delivery to members and non-members alike, our program educates owners as well as designers and builders on team-centered approaches to design and construction. Owners want successfully executed design-build projects and are looking for a demonstration of both relevant continuing education and experience – both of which can be gained through DBIA certification.



Design Build Institute of America

DBIA's four "core courses" are the cornerstone of its educational program.

- 1. Fundamentals of Project Delivery. This course provides a general overview of the attributes of all the major project delivery systems, procurement methodologies and contracting
- 2. Principles of Design-Build Project Delivery. This course addresses the use of design-build as a project delivery method, focusing on essential concepts and characteristics, as well as critical elements of the RFQ/RFP process and overall project management.



Design Build Institute of America

DBIA's four "core courses" are the cornerstone of its educational program.

- 3. Design-Build Contracts and Risk Management. This course focuses on applying effective contracting language as well as insurance, bonding and surety products and strategies to successful design-build project delivery.
- 4. Post-Award Design-Build. This course addresses the use of design-build as a project delivery method, focusing on essential concepts and characteristics, as well as critical elements of the RFQ/RFP process and overall project management.

DBIA is committed to helping owners navigate the process and engage in "design-build done right."



- 1. The **DBIA Owner Hotline** allows public agencies and private owners quick and direct access to information on design-build project delivery.
- 2. Owner scholarships are available for all DBIA conferences and may cover complimentary registration as well as offset all or a portion of an individual's travel costs.
- 3. Owner Boot Camp
- 4. Owners' Council: The Western Pacific Region has developed an Owners Council to provide owners with the opportunity to meet with each other to share lessons learned and best practices in design-build. The Owners' Council is open to owners of private and/or public construction projects vertical or horizontal. The Council gives owners a chance to network with their peers without pressure from industry practitioners.

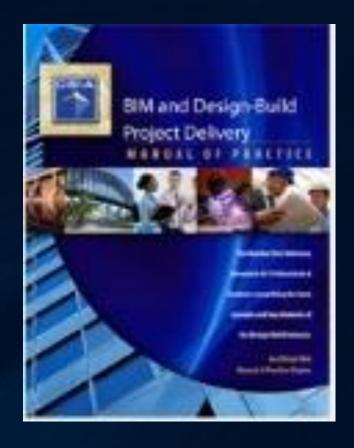
DBIA Owner Boot Camp

• The single most important aspect of design-build done right for owners is developing an acquisition strategy. Learn more about the three synergistic elements that every owner must understand in order to develop a strategy that is right for YOUR agency or organization. The Owner Boot Camp will focus on your specific needs and allow you to work directly with our expert instructors on challenges unique to your situation.

Owner Boot Camp courses

- 1. Super Charged Source Selection Performance Requirements
- 2. High Performance Incentive Contracting.

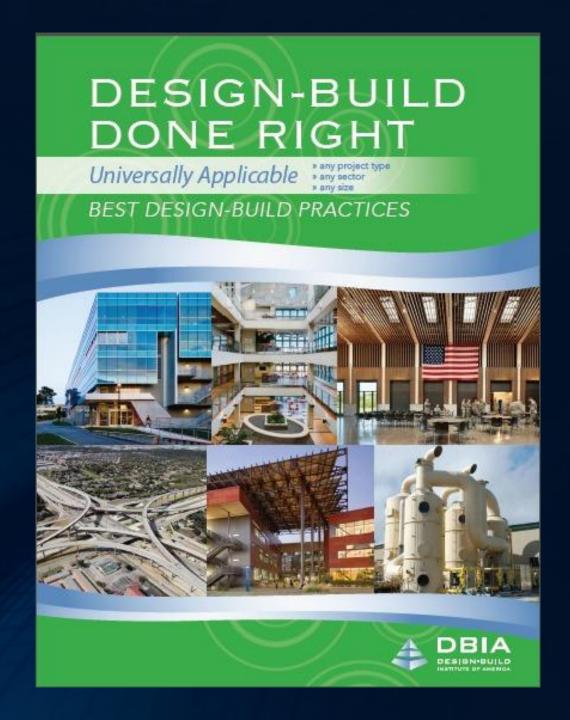
The Design-Build Manual of Practice is a comprehensive reference manual, which covers all aspects of design-build project delivery for owners and practitioners. This guidebook is free for DBIA members and contains procedural guidance and best practices recommendations.



Design-Build Done Right
Best Design-Build Practices

Download free here

http://www.dbia.org/resource-center/Pages/Best-Practices.aspx





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