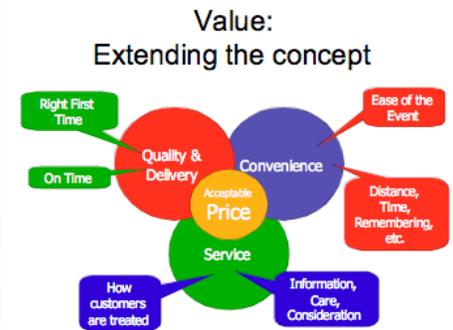
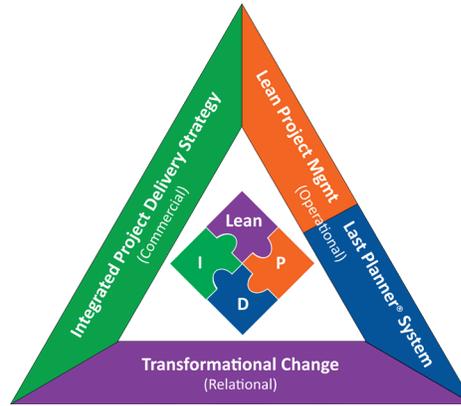


A collaborative presentation from over a dozen experienced Lean IPD practitioners.

Lean Integrated Delivery: The Value Proposition

“TO ACHIEVE GREAT THINGS, TWO THINGS ARE NEEDED; A PLAN, AND NOT QUITE ENOUGH TIME.”

[LEONARD BERNSTEIN]





Lean Integrated Project Delivery (Lean/IPD) is a predictable and robust management system that benefits project or building owners and operators. Engaging builders with designers through a non-traditional [Partner Selection](#) and [Team Forming](#) process enables the entire value stream to be considered. This means that many of the involved participants can offer better opinions, commit to those opinions, and perform to those commitments. The availability of this broad knowledge base allows the entire project team to consider life cycle operating cost, building performance, process outputs and employee engagement benefits to drive optimal solutions from a multitude of solution set options. This broader group of experts brings multiple perspectives to add value to decision making. With real-time cost knowledge, each solution set can be assessed against its impact to cost and schedule, as well as against a pre-defined set of [Conditions of Satisfaction](#).

Lean/IPD projects are organized around teams, which eventually include all the key participants in the project -- customers and suppliers. When a Lean/IPD project works properly, customers, concerns, new possibilities, value, and waste are brought to the fore in new ways – and replace standard practices, historical habits, and bureaucratic behaviors. Changes previously considered impossible occur in relationships with suppliers. Previous challenges of managing suppliers disappear and are replaced with collaboration. Task lists

are transformed into commitments. People have better conversations and relationships coordinate with each other much more impeccably, People recover their autonomy, responsibility, and dignity. Finally, unprecedented new economic value is uncovered and made available to the participants.

When teams begin to perform well, deeper discussions evolve about building the “right” building for the prescribed need. With subject matter experts representing many areas of the project outcome, coupled with aligned business targets and a transparent sharing of knowledge, a multitude of project systems can be explored and optimized. When builders and designers interact with operators and owners as partners, better understanding and definitions of needs lead to better solutions.

Trust is a foundational principle of Lean/IPD. An owner who relies on the construction industry for regular business growth can expect better outcomes by considering the long-term outlook for partnerships rather than by selecting contractors on a project-to-project basis. By procuring design, build, and related specialty services with long-term relationships in mind, the owner can turn the focus from individual company needs to project improvement needs. These partners should be encouraged to speak their minds freely, disagree with the owner/operator and challenge the wants and

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When owner/operators engage with experienced partners earlier in the process, a deeper risk assessment and understanding arises. As a result, the team can manage that risk, find a multitude of ways to mitigate the risk, and price it accordingly. By viewing and sharing this risk openly, the team can collectively carry contingency to cover this potential cost. This process focuses the team on finding solutions rather than arguing about who must pay for it -- which typically delays solutions, increases the risk, causes delays, and increases cost. The team nearly always has the capacity to address most, if not all, risks as they arise.

Because Lean/IPD projects have built-in schedule predictability, owner/operators can better manage their internal staff and assign them to tasks accordingly. For example, since less time is spent resolving claims and disputes, project participants are available at the planned completion – when they are most needed—and they are able to move to the next business need. With strong team partnership, the project closeout is more organized and reaches conclusion earlier than traditional programs. As teams work together more frequently, individual project vendor staff become extensions of owner/operator staff.

Completed Lean/IPD projects have shown significant safety improvements. Safety is a crucial concern in the construction industry – and Lean/IPD’s rigorous planning methods have helped tremendously. Tools like 5S, material management techniques, and other site logistic management efforts make the work safer – thus driving better results.

A word of caution: The owner/operator must be involved in this process to drive success. Value is defined by the owner and the team needs this definition at every turn of the program. The owner should be open to others’ opinions -- specifically those of partners who might not be in their primary industry. While at some points it may seem owners are losing control of their programs, they are actually improving control by empowering others to help make the numerous decisions necessary to deliver a successful project.