COMMUNITIES for BUSINESS ADVANCEMENT

CBAs provide a platform for collaboration on current problems through productive inquiry and enhanced knowledge sharing among CII members. CBAs produce research topics and programs for consideration by CII.

Modularization

The Modularization Community for Business Advancement (MCBA) is a formal venue for the exchange of knowledge that is useful in planning, designing, and executing modularization of varying complexity on capital facility projects.

The Modularization CBA is composed of members that share a vision of guiding CII members to enhanced project performance through modularization and related practices. The goal of its members is to communicate principles, practices, and tools for successful implementation of modularization that leads to improved business outcomes.

The Modularization CBA is sponsored by CII’s Deployment Committee from whom it receives guidance and oversight on compliance with this charter.

Planning for Modularization Is a CII Best Practice!

As a CII Best Practice, Planning for Modularization is the evaluation and determination of offsite construction early in the front end planning phase to achieve specific strategic objectives and improved project outcomes. It includes developing a business case and execution strategy for large-scale transfer of stick-built construction efforts from the jobsite to fabrication shops or yards, while policing these early efforts through Critical Success Factors (CSFs) to insure successful implementation.

How We Operate

Our regular monthly meetings are the basis for our interaction, supported by:
- Conference calls and ad-hoc web meetings
- At least one face-to-face meeting a year
- Email and a collaboration site for ongoing communication between regular meetings
- Meeting notes, presentations, and any other knowledge sharing deliverables, summarized and posted on the collaboration site

Key Deliverables

- Establish and maintain Modularization related success enablers and implementation criteria for the purpose of achieving significant productivity gains
- Support education development to advance Modularization as a CII Best Practice
- Identify leading-edge Modularization issues and provide comment/opinion on them
- Connect with research teams related to this topic providing input and commentary

More!
MCBA’s Tool Kit
This toolkit is offered by the Modularization CBA to provide a set of practical tools to help users implement the research developed and assist those in evaluating the potential of a modular solution.

Tool #1
Business Case Analysis Tool
A simple intelligent form that offers a comparison between stick build and modularization. The tool is accompanied by a user’s guide.

Tool #2
Modular Project Execution Planning Guide
A checklist of key project planning considerations at each of the five project phases that summarizes the business case down to one page per project phase with an accompanying example on the back.

Tool #3
Intro to Modularization Benefits and How to Optimize
A tool intended for very early education of management and business leaders as a PowerPoint Presentation organized into two parts. The first section (Tool #3A) provides slides with talking points for making a presentation to an audience unfamiliar with the potential benefits (and pitfalls) of a modular approach. The second section (Tool #3B) follows with a more in-depth overview of the RT 283 research with more details on Modularization.

Tool #4
CSF Accomplishment Tracking Tool
An Excel score sheet intended to be used to benchmark the team’s ability to consider and apply the Critical Success Factors (CSFs) identified in the RT 283 Research to the module job. This tool is accompanied by a set of PowerPoint Slides that facilitates educating the Team regarding the use and background of the CSF Tool.

To learn more about this innovative research, visit http://go.cii.today/pfmod