



Modular Design and Prefabrication: Balancing Better and Faster with Quality

July 27, 2023

The Workshop

Prefabrication and modular construction are among the biggest trends in healthcare today, and by the look of their current trajectories, they are here to stay. There are many advantages, and challenges, when incorporating this type of construction into current and new healthcare design projects.

This virtual, interactive, collaborative and problem-solving workshop is designed to help project stakeholders (designers, facility executives, administrators, and care providers) explore the key tenets of prefabrication and modular construction, how the benefits of “better, cheaper, faster” are balanced with quality and safety, and how design/build processes and budgets can be reframed from traditional healthcare design/build projects.

Through presentations, case studies and conversations, attendees will gain insights into the latest developments in the field and understand the advantages and challenges of the prefabrication/modular approach. Attendees will also benefit from interactive exercises with fellow attendees and faculty where they get the chance to share questions and ideas with the owners, faculty, and solution providers throughout the event.

Agenda

Time	Agenda Item
8:30 AM PT 11:30 AM ET	Welcome Opening Remarks & Introductions Thomas Jung, M.Arch, Member, Board of Directors, The Center for Health Design
8:35 AM PT 11:35 AM ET	The Journey to Modular Design - Benefits and Challenges “One death too many” was what the Indigenous Pact team heard during the collaborative meeting. The goal was to build medical-assisted treatment clinics to get help to those struggling with opioid addiction. Early success drove the desire and need to create more clinics faster and better. Hear how through innovative “productization” utilizing modular design, Indigenous Pact was able to move this idea forward to achieve positive human and project outcomes. Keith Novenski, Director Transformational Design, Indigenous Pact PBC, Inc.



<p>9:10 AM PT 12:10 PM ET</p>	<p>Panel of Experts</p> <p>Attendees will hear first-hand experiences from representatives of acclaimed health systems as they share insights into the latest developments in the field. Understand the key drivers they experience and challenges they face when considering and executing projects that involve prefabrication and modular design. Panelists will also share examples of what is currently working in the field, what opportunities exist, and how design of the built environment using this approach can address them.</p> <p>Panelists:</p> <p>Nora C. Colman, MD, Critical Care Medicine Physician, Children’s Healthcare of Atlanta/ Assistant Professor of Pediatrics-Division of Pediatric Critical Care Medicine, Emory University School of Medicine</p> <p>Roger C. McClean, Director, Design+Construction, Facilities Management, Memorial Sloan Kettering Cancer Center</p> <p>Nancy Hanright, Sr. Director, Real Estate & Capital Planning, Boston Medical Center</p>
<p>9:50 AM PT 12:50 PM ET</p>	<p>Audience Q&A with Panel of Experts</p> <p>Pose questions to the panelists and hear their responses and insights.</p>
<p>10:05 AM PT 1:05 PM ET</p>	<p>West Coast Coffee Break/East Coast Lunch Break</p>
<p>10:30 AM PT 1:30 PM ET</p>	<p>A Comparison of DFMA and Other Prefabrication Concepts</p> <p>Modular construction has been used to decrease on-site construction time for decades. Many think of modular construction, prefabrication, and Design for Manufacturing and Assembly (DFMA) as monolithic concepts, however they are each different in execution and how they benefit a project. We will discuss how each impact a project in its design process, supply chain, construction timeline, and scalability. Specific project examples will be utilized to identify and implement these concepts from design to construction.</p> <p>Laura Longoria, Design & Construction Director/Principal Health Sector, Henderson Engineers</p>



11:00 AM PT 2:00 PM ET	Ambulatory Care Centers: Community Input and a Modular Approach Michael Saint Clair, Associate VP/Senior Planner, CRTKL
11:30 AM PT 2:30 PM ET	Panel - Solution Providers and Partners With their diverse experience, depth of technical knowledge, and practical application, today's leading partners and solution providers can help organizations avoid challenges, implement state-of-the-art solutions and gain competitive advantages available through prefabrication, industrial construction, and design. Join us as our panel shares their unique insights, lessons learned, and innovative practices being applied to advance the built environment in healthcare settings. Panelists: Will Lichtig, Chief of Staff, Executive Vice President, The Boldt Company Dan Carlton, President, Mark III Construction Andrea V. Hyde, AAHID, NCIDQ MDCID, International Health & Science Facility Design & Planning Consultant
12:00 PM PT 3:00 PM ET	West Coast Lunch/East Coast Afternoon Snack
12:25 PM PT 3:25 PM ET	Case Study: The Montage Health Ohana Center Hear about the current state-of-the practice that seeks to amplify positive behavioral health outcomes for young people through connections with nature and the role pre-fabricated modularity played in minimizing impact on the site. Daphne Corona, Senior Associate, Project Manager, NBBJ Laurie Chambers, Senior Architect, NBBJ



12:55 PM PT 3:55 PM ET	International Perspectives Hear about international perspectives from various countries and the World Health Organization initiatives. Troy Savage , Associate Project Manager, Mazzetti Steve Carr, ACHE, AIA, NCARB , Principal, Lead Design Architect and Health Studio Thought Leader, TREANORHL Willy Schlein, AIA, NCARB, LEED AP , Associate Principal, Healthcare Practice Leader, LS3P
1:25 PM PT 4:25 PM ET	Concluding Panel Discussion Join today's panelists as they identify overall themes, key concepts, and next steps.
1:45 PM PT 4:45 PM ET	Final Words Wrap up the day with the workshop's facilitator who will share key observations from the day and projections toward a path forward.
1:50 PM PT 4:50 PM ET	Adjourn
1:55 PM PT 4:55 PM ET	Social ½ Hour Join fellow attendees and workshop presenters for a fun and interactive networking event. Meet new friends and old from across the US and around the world!

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