



Advancing Prefabrication²⁰¹⁹

January 28-31, 2019, **Dallas, Texas**

**Innovating Practices to Increase Labor Productivity,
Reduce Costs & Consolidate Schedules**

**Achieving Higher Quality & Tighter Control Through
Offsite Construction**

71 Expert Speakers include:



Amy Marks
CEO
XSite Modular



Michael Barrett
GFEM Strategic
Program Manager
Intel Corporation



Ramamoorthy Rajendran
Director of Technology &
Capability
**Building & Construction
Authority Singapore**



Bradley Lukanic
CEO
CannonDesign



Roger Krulak
CEO
FullStack Modular



Jennifer Abuzeid
Senior Director –
Global Design Strategies
Marriott International



Peter Murray
President of
Manufacturing
Skender



Adam Snavely
President & CEO
**The Poole & Kent
Corporation**



Marty Corrado
General Superintendent
**J E Dunn Construction
Company**

■ The focus on 21st Century challenges, markets, tools, and opportunities made this one of the most relevant conferences on this topic that I've shared in. ■

VECA Electric

Sponsors:



www.advancing-prefabrication.com

Tel: +1 713 554 8380 | Email: info@hansonwade.com





Reinventing the Paradigm of Prefab & Modular

Collaborate, Innovate & Restructure to Maximize Success

With the perception of prefab and modular changing fast, and the rapidly increasing rate of adoption across the industry, it's imperative to equip your team with the best tools and processes to stay ahead of the competition. However, disruption also brings the opportunity to expand prefab capabilities and ensure that you can deliver faster, leaner and higher quality construction for your clients.

Join us at **Advancing Prefabrication 2019** to share best practices and explore the future potential of offsite work. This year, we will draw together more owners, architects, GCs, trades and modular partners than ever before to discuss optimizing set-up, planning, operations, and install of everything from single and multi-trade assemblies through full volumetric modular buildings.

Be part of the discussion this year and take your team to the next level!

What You'll Explore in 2019:

1 Build the Business Case

Explore how successful teams are leveraging past projects and metrics to persuade both upper management and inexperienced partners to explore more adventurous prefab.

2 Design with Prefab in Mind

Harness the knowledge of the entire project team to ensure that projects are designed with full constructability from the outset. Review what needs to be considered, and when, to help your architects achieve this, whatever the extent of prefabrication or modularization.

3 Drive Collaboration & Integration

From bringing teams together earlier, to maximizing the use of BIM, streamlining information handover between departments, and exploring new opportunities together, sessions will share best practices on better communicating and engaging all stakeholders throughout your projects.

4 Streamline Manufacturing Operations

It's not enough to simply take the construction mentality offsite. Learn how teams have taken tips from the manufacturing industry and practically applied them to streamline and automate their own construction operations.

5 Create a New Supply Chain

Prefab and modular are disrupting the industry in many ways, making companies uncertain on where they fit in this new paradigm. From different types of contracts and agreements, to how companies are internally restructuring and vertically integrating, and even developing a new supply chain for the modular industry in the USA, you can explore what this means for your company to better prepare for 2019 and beyond!

Hear What Previous Attendees Have to Say:

■■■ This conference really grabbed my attention and kept me on the edge of my seat. I know where we stand and what I can do as a contractor to make sure I stay ahead of the curve. ■■■

Prefab Manager, Price Electric

■■■ This was one of the best conferences I have ever attended. The material was extremely thought provoking and relevant. ■■■

Project Estimator, Haselden Construction





Highlights for 2019

With **three tracks of content** and **more workshops and manufacturing tours** than ever before, the 2019 conference offers fantastic opportunities to tailor your three days to the specific interests of you and your team. Here is just a sample of the insights and discussions that are new and exciting.



NEW

Volumetric Modular & Industrialized Structural Systems Track

Hear directly from modular companies, owners, and project partners already maximizing the potential of this approach and understand the end-to-end process of planning and executing entire modular buildings.

HIGHLIGHT

Spotlight Case Studies for All Different Markets

Whether healthcare, hospitality, office buildings, affordable housing, industrial facilities, data centers or entire Smart Cities, there will be a case study for you. Highlighting the end-to-end processes and lessons learned, these will give your team actionable takeaways to improve your next project.

NEW

More Visits to Prefabrication Facilities

Not only will TDIndustries be opening their doors once again this year to reveal the practical set up and streamlining of their operations, Rosendin Electric also invite you to their job shop to explore creating the right culture with your own eyes. How can you establish new workflows quickly, easily and efficiently?

HIGHLIGHT

Hear from Owners & Architects

With so much of the success of offsite construction reliant on efficient planning and consideration from day one, understand how owners and architects are improving their efforts up front, and what they need from project partners to support these changes.

NEW

Multi-Perspective Case Studies

Hear from the owner, architect, builder and various trade partners at once in several case studies throughout the agenda to understand how every part of the process played out.

NEW

Explore Global Opportunities

Learn how inspirational teams from across Asia, Europe and the Middle East are pushing the limits of prefab and modular, and understand how you can fit into this growing global prefab market.

HIGHLIGHT

Supply Chain Focus

Understand how companies and teams are restructuring to set themselves up for success with prefab and modular, breaking the mold to ensure they achieve full integration and collaboration of all projects.



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Speakers



Amy Marks
CEO
XSite Modular



Michael Barrett
GFEM Strategic
Program Manager
Intel Corporation



**Ramamoorthy
Rajendran**
Director of Technology
& Capability
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Bradley Lukanic
CEO
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FullStack Modular



Jennifer Abuzeid
Senior Director –
Global Design
Strategies
Marriott International



Peter Murray
President of
Manufacturing
Skender



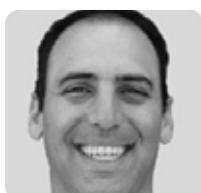
Adam Snavely
President & CEO
**The Poole & Kent
Corporation**



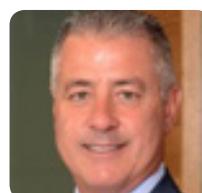
Marty Corrado
General
Superintendent
**J E Dunn Construction
Company**



Virginia Calkins
Development
Manager, Sares-Regis
Group
Google



Randy Miller
CEO
RAD Urban



Mark Boyle
SVP Procurement
Turner Construction



Paul Doherty
President & CEO
The Digit Group



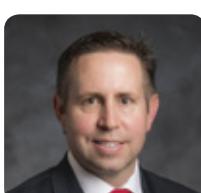
Mike Kotubey
President
TDIndustries



Carl Hren
SVP Development
**Concord Hospitality
Enterprises**



Chris Giattina
CEO
BLOX



Kurt Stahl
SVP Healthcare
AECOM Hunt



Kevin Labrecque
SVP Operational
Excellence
Harper Limbach



Speakers



Jack Dooley
CEO
Skystone Group



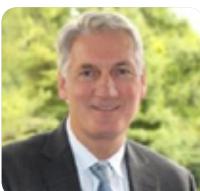
David Peterson
SVP
ERMCO Inc.



Robert Crotty
AVP Capital
Productivity & Strategy
HCA



Keith Swenson
President, Integrated
Modular Design
CannonDesign



Mark D'Arcy
VP Design &
Construction
Universal Health Inc.



Jennifer Cipolla
VP Manufacturing
Prescient Co.



Greg Mare
Healthcare Practice
Lead – The Americas
AECOM



David Walsh –
Senior Director –
Project Management,
The Americas
Marriott International



Jim Barrett
VP & Chief Innovation
Officer
Turner Construction



Troy Galvin
Manager, PCL Agile
PCL Construction



Danny Forster
CEO
**Danny Forster &
Architecture**



Bernie Sublette
VP & Project Executive
AECOM Hunt



Shawn Maley
Senior Associate
Stantec



Chris McLean
Director, Mission
Critical Solutions
M C Dean



Roy Griffith
Director of Corporate
Development
Clark Pacific



Steve Barnhill
VP Fabrication
Services
**Ivey Mechanical
Services**



Michael Anderson
VP Global Projects &
Strategic Initiatives
**Critical Process
Systems**



Deb Sheehan
Executive Director,
Firmwide Strategies
CannonDesign



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Speakers



Steve Rose
Corporate Director –
Prefab & Packaging
Rosendin Electric



Paul Kirchoff
CRO
Epsilon Industries



Marty Hancharenko
Operations Manager
Mortenson



Sue Klawans
Independent Representative



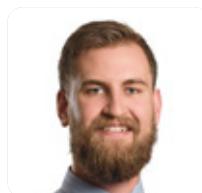
Ryan Smith
Director & Professor
School of Design & Construction, Washington State University



David Pikey
VP Corporate Technology
The Hill Group



Darin Long
National Account Manager
Schneider Electric



Graham Ryan
Project Manager
The Boldt Company



Jody Seubert
Excellerate Operations Manager
Faith Technologies



Craig Webber
Principal
Group2Architects



Adam Tarr
Chief Product Development Officer
Critical Process Systems



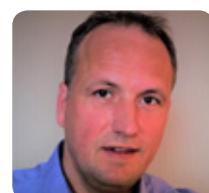
Jon Cohen
Policy Advisor
NYC Department of Housing & Economic Development



Jessie Stenftenagel
Director of Sustainability
DIRTT



Isaac-Daniel Astrachan
Principal
SBJ Architects



Jon White
Senior Business Manager
Sikla



Tobias Hogan
Director of Agile Operations
Aldridge Electric



Eric Opstedahl
Prefab Manager
Helix Electric



Ryan Broadbin
Project Manager
Dimeo Construction



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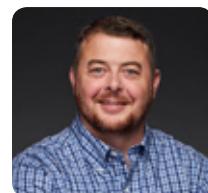
Speakers



Ryan Hoggatt
Director of
Manufacturing
**University Mechanical
Contractors**



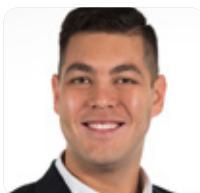
Dillon Doyle
Field Support Service
Manager
Rosendin Electric



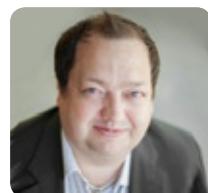
Anthony Dionne
Virtual Construction &
Operations Manager
Tri-M Group LLC



Greg Heiser
Principal
CannonDesign



John Chamberlin
Senior Product
Manager
**Georgia-Pacific
Gypsum LLC**



Lonnie Cumpton
VDC Manager
Faith Technologies



Mike Camp
General
Superintendent
Dimeo Construction



Justin Brockenbrough
Fabrication Manager
Harper Limbach



Eric Parnell
Owner
ArchBoutant LLC



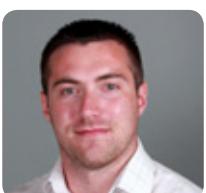
Joe Mierzejewski
Consultant
Janus Companies



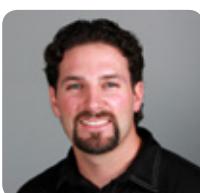
David Ronson
Product Manager
Applied Softwar



Mathew Dorward
Virtual Construction &
Prefabrication Manager
Tri-M Group LLC



Andrew Fleetwood
Estimator
PCL Construction



Kyle Sandiford
Superintendent
PCL Construction



Eric Abbott
Area Superintendent
Rosendin Electric



Ivan Rupnik
Associate Professor of
Architecture
**Northeastern
University**



John Prego
Electrical Foreman
Tri-M Electric LLC

■■■ I learned too much to retain. I wish my colleagues would have joined me. It was inspiring being in a room with over 300 people who share the same passion as you! ■■■

VDC Director, Snell Services Inc



Agenda-at-a-Glance

Monday, January 28: Pre-Conference Workshop Day			
10am - 12pm Choose one session to attend	Workshop A Rethinking Design for Prefabrication	Workshop B Automating Processes From Design Through Construction of Structural Systems	Gold AM Package ONLY Site Visit to TDIndustries SOLD OUT
1pm - 3pm Choose one session to attend	Workshop C Changing Labor Productivity Through Offsite Work	Workshop D The Journey to Manufacturing – Transforming a 117 Year Old Company to a Modern Day Manufacturer	Gold PM Package ONLY Site Visit to TDIndustries LIMITED AVAILABILITY
3.30pm - 5.30pm Choose one session to attend	Workshop E Changing Approaches to Design for Full Volumetric Modular Buildings	Workshop F BIM 2 Built: Optimizing MEP Design & Estimating Practices Through Automation	Workshop G Emerging Technology for Prefabrication & Building a Roadmap for Investment

Tuesday, January 29: Main Conference Day One

Plenary: Setting-up for Success		
Single-Trade MEP & Other Individual Components	Multi-Trade Leadership & Complex Coordination	Volumetric Modular & Industrialized Structural Systems
Plenary: Maximizing Prefabrication & Modularization Opportunities		



Agenda-at-a-Glance

Wednesday, January 30: Main Conference Day Two

Plenary: Understanding the Benefits of Offsite Work

Single-Trade MEP & Other Individual Components

Multi-Trade Leadership & Complex Coordination

Volumetric Modular & Industrialized Structural Systems

Plenary: Taking Your Capabilities to the Next Level

Thursday, January 31: Post-Conference Workshop Day

Platinum Package 1: 8-10am

Platinum Package 2: 10.30am-12.30pm

Platinum Package ONLY

Site Visit to Rosendin Electric

SOLD OUT

Please make sure that you book onto the right package in line with the sessions you want to attend. For help or more information, please contact our team!

■■■ We left this conference with a full head of steam and are ready to push hard to achieve the next level! ■■■

Prefab Manager, Tri-M Group





Pre-Conference Workshops | Monday, January 28, 2019

SESSION 1: 10am-12pm

Workshop A: Rethinking Design for Prefabrication

For those architects already championing and engaging with prefabrication, the benefits of offsite construction for delivering client demands is no mystery. However, not all designers feel the same way, and the change in systems and partnering required to fully maximize these advantages are still evolving.

Therefore, this workshop will take a deeper dive into the differences between traditional perspectives and designing with prefab in mind to inspire more of this community to:

- Understand the benefits of prefabrication to deliver high quality and meet client expectations, and discuss how to promote this more widely in the industry
- Review the role of the design team in maximizing the efficiency and benefits of offsite construction by setting-up the project for success: What are the best means and methods to do so that will minimize later design changes?
- Assess the different approach required by architects and engineers for prefab: What needs to be considered, when, and how will this change traditional approaches to design and team collaboration?

Workshop leader

Craig Webber, Principal, **Group2Architects**

Workshop B: Automating Processes From Design Through Construction of Structural Systems

Increasingly, more and more structural systems are being built through BIM automation and industrialized approaches that create more robust, repetitive structural systems quickly & more easily. Whether using steel, precast concrete or timber, there are a multitude of approaches that forward thinking operations leaders can take to reduce waste and establish lean workflows.

With this intention, this workshop will break down the different processes and systems that can be used to:

- Spotlight two different approaches companies have taken to automating operations and how this differs between steel and precast
- Review how automation can improve data transfer and streamline handover from one department to the next so that there is a seamless pathway from design through fabrication
- Explore the potential for digitization and computer-aided installation to optimize labor productivity on-site and simplify install instructions for teams

Workshop leaders

Jennifer Cipolla, VP Manufacturing, **Prescient Co.**

Roy Griffith, Director of Corporate Development, **Clark Construction**

Please choose one workshop or visit per session. Only one site visit available per person.

Gold AM Package: Seeing Inside a Mechanical Contractor's Facility

Opening up its doors again for 2019, this year TDIndustries will be sharing how they optimize their facility for efficient assembly and have set themselves up to explore better and more complex prefab. Having developed a lean manufacturing approach to prefabrication and modularization of components, attendees will experience how an industry leader is connecting their systems, streamlining the design through installation process, managing an assembly line, centralizing multi-trade prefabrication operations, and more.

This workshop is now full. Please contact a member of the team if you would like to be added to the waiting list.



TD Industries, Dallas TX



Pre-Conference Workshops | Monday, January 28, 2019

SESSION 2: 1pm-3pm

Workshop C: Changing Labor Productivity Through Offsite Work

Solving labor productivity issues is increasingly becoming one of the primary drivers for transferring a portion of work offsite - to 'do more work with less'. However, for all of the many problems offsite construction can solve, when it comes to manpower, it also creates a few more hurdles.

- Understand how increasing offsite work can positively impact labor productivity, and explore the new labor pool opened up by a different required skill set
- Review difficulties in moving staff offsite: What are the new cultural, training, safety and quality challenges that now need to be considered and overcome, and how can teams successfully do so?
- Exploring different possibilities to ensure quality of staff in the manufacturing facility and how different types of training can benefit the quality of manufactured components
- Discussing how unions can better support prefabrication and modularization to improve the success of offsite work

Workshop leaders

Steve Rose, Corporate Director of Prefab & Packaging,
Rosendin Electric

Dillon Doyle, Field Support Service Manager,
Rosendin Electric

Workshop D: The Journey to Manufacturing – Transforming a 117 Year Old Company to a Modern Day Manufacturer

As the rise in industrialized construction has begun to take hold, many global construction leaders are taking inspiration from the manufacturing industry to optimize their productivity.

- Explore the business case for changing traditional fabrication operations, and how teams have successfully secured support for their initiatives
- Learn how to transform the traditional construction approach, identifying beneficial structures and processes established in the manufacturing industry and adapting them for offsite facilities
- Reveal a step-by-step process one company took to standardizing their systems and establishing industrialized production lines to optimize productivity

Workshop leaders

Kevin Labrecque, SVP Operational Excellence,
Harper Limbach

Justin Brockenbrough, Fabrication Manager,
Harper Limbach

Please choose one workshop or visit per session. Only one site visit available per person.

Gold PM Package: Seeing Inside a Mechanical Contractor's Facility

Opening up its doors again for 2019, this year TDIndustries will be sharing how they optimize their facility for efficient assembly and have set themselves up to explore better and more complex prefab. Having developed a lean manufacturing approach to prefabrication and modularization of components, attendees will experience how an industry leader is connecting their systems, streamlining the design through installation process, managing an assembly line, centralizing multi-trade prefabrication operations, and more.

There are only a handful of spaces left - filled on a first come, first served basis. Don't miss out - book today!



TD Industries, Dallas TX



Pre-Conference Workshops | Monday, January 28, 2019

SESSION 3: 3.30pm-5.30pm

Workshop E: Changing Approaches to Design for Full Volumetric Modular Buildings

Just as planning and designing for prefabrication is very different from traditional construction methods, planning and designing for full volumetric modular adds a further layer of complexity to the process. Further, as still very few architects have had the opportunity work on large-scale modularized buildings, many are still learning best practices to do so.

The aim of this workshop is to bring some clarity to the challenge, as you will discuss:

- Balancing standardization and creativity: What level of standardization of size, materials, logistics etc. must be thought about in the design stages and how does this provide parameters, not restrictions, that ultimately ease the design process?
- Benchmarking ways the architect and modular contractor can support one another in design to deliver maximum value to the client
- Highlighting the importance of reviewing the entire building process up-front, such as building codes and regulations, and how design processes and documentation must be restructured to ensure maximum clarity at the start

Workshop leaders

Keith Swenson, President, Integrated Modular Design, **CannonDesign**

Deb Sheehan, Executive Director, Firmwide Strategies, **CannonDesign**

Greg Heiser, Principal, **CannonDesign**

Workshop F: BIM 2 Built - Optimizing MEP Design & Estimating Practices Through Automation

The use of BIM for offsite construction has evolved significantly from merely a collaboration platform in recent years, with some teams now pushing the limits of what can be done. The ultimate goal being to fully automate processes from design through construction, there are a multitude of ways forward thinking operations leaders can begin along this journey.

With this intention, this workshop will break down the different processes and systems that can be developed to automate BIM models for MEP prefabrication.

- Benchmark best practices for using BIM and Spool Drawings to design for MEP systems, and how this information can be fed into the model to streamline all processes from design through install
- Review how automation can improve data transfer, and streamline handover from one department to the next so that there is a seamless pathway from design through fabrication
- Understanding the use of BIM to inform resource planning and drive accuracy of estimates for prefab components
- Explore ways the model can be used to automate and drive machine operations: how can companies set-up the model, extract data, and integrate software and hardware to fully automate in house operations?

Workshop leaders

Jody Seubert, Excellerate Operations Manager, **Faith Technologies**

Lonnie Cumpton, VDC Manager, **Faith Technologies**

Workshop G: Emerging Technology for Prefabrication & Building a Roadmap for Investment

With new construction tools and technologies emerging daily, there are so many different possibilities open to teams to innovate the way they work. However, finding and implementing the tools that are going to really make a difference for your operations is not easy.

Therefore, this workshop will promote discussion and exploration of how emerging technology is changing the way teams are prefabricating. You will be able to:

- Identify challenges and key deliverables in prefabrication and modular operations that could be further enhanced by emerging technology
- Review the potential for different emerging technologies on the current market to help prefabrication teams both in the factory and on site. From 3D printing, to VR and more, how have teams secured funding, buy-in, and successfully integrated these into their workflows?
- Discuss the future of construction technology in the next 5 years: What other tools and systems have the potential to transform industrialized manufacturing and what does the timeline look like for their adoption?

Workshop leader

Ryan Hoggatt, Director of Manufacturing, **University Mechanical Contractors**



Conference Day One | Tuesday, January 29, 2019

7.50 Chair's Opening Remarks

This introduction to the event will reflect on the current state of the prefab and modular market, better define what is intended by single-trade, multi-trade and modular prefabrication, and how this will relate to the main aims of the conference.

Amy Marks, CEO, **XSite Modular**

Setting-up for Success

8.00 Keynote: Building a New Business Case for Prefabrication That Aligns with Changing Paradigms

- Assessing the entire business case for prefab and modular: What are the deliverables being met for the owner and different members of the project team outside of the traditional cost and schedule savings?
- Benchmarking successful ways to present intangible deliverables of offsite work to upper management and project partners to more quickly secure buy-in
- Analyzing how the business case may differ for different owners and contractors in different markets, and how this can be better reflected in up-front conversations and bids to promote prefab and modular

Michael Barrett, GFEM Strategic Program Manager, **Intel Corporation**

8.40 Is Your Company Prefab Ready?: Identifying & Removing Cultural Corporate Roadblocks to Enable Success With Offsite Manufacturing

Taken in two parts, this session will comprise of an introductory presentation from Ms Marks, outlining her five point review process for prefab readiness to understand some of the corporate roadblocks and enablers to success. Where does your company fit?

- Understand the different levels of prefabrication readiness, what it means to move between levels, and how this can be achieved
- Identify starting points and possibilities to then develop pathways and strategies for prefabrication across different areas of your business

The conclusion of this presentation will be a panel discussion of various individuals who have gone along this journey, exploring how they optimized their corporate structure and processes to establish the right culture, strategic plans and prefab champions to maintain success of prefab and modular initiatives within their own companies.

Amy Marks, CEO, **XSite Modular**

Panelists

Robert Crotty, AVP Capital Productivity & Improvement, **HCA**

Bradley Lukanic, CEO, **CannonDesign**

Marty Hancharenko, Operations Manager, **Mortenson**

Adam Snavely, President & CEO, **The Poole & Kent Corporation**

Steve Barnhill, VP Fabrication Services, **Ivey Mechanical**

9.40 Morning Refreshments & Speed Networking



Conference Day One | Tuesday, January 29, 2019

Single-Trade MEP & Other Individual Components	Multi-Trade Leadership & Complex Coordination	Volumetric Modular & Industrialized Structural Systems
Optimizing Internal Planning for Prefab 10.30 The Field Perspective: Opening Eyes to the Potential for Prefabrication • Highlighting key concerns of traditional construction workers that are a consistent barrier to moving work offsite • Understanding key deliverables and benefits from the point of view of field workers to help combat these concerns • Sharing best practices to promote acceptance and secure buy-in of entire field teams Anthony Dionne , Virtual Construction & Operations Manager, Tri-M Group LLC Mathew Dorward , Virtual Construction & Prefabrication Manager, Tri-M Group LLC John Prego , Electrical Foreman, Tri-M Group LLC	Improving Collaboration on Projects 10.30 Drawing Teams & Partners Together Early to Increase Prefabrication Opportunities & Manage Up the Supply Chain • Reviewing how experienced contractors can better engage and educate inexperienced trades quickly and easily to maximize prefabrication opportunities • Exploring ways trades can collaborate, either forging long term partnerships or through peer groups, to share experiences of prefabrication and expand their prefabrication offerings • Outlining approaches to successfully manage prefabrication up the supply chain to GCs and owners Chris McLean , Director, Mission Critical Solutions, M C Dean Inc	Disrupting Age-Old Approaches Spotlight Case Study 10.30 Design Manufacture Construct: The Most Extensive Healthcare Multi-Trade Prefab Effort to Date • Outlining the partnering, planning and design process to set up modularization for success: How did the early standardization of designs and selection of trade partners ensure success of initiatives? • Revealing how partners successfully established new workflows, concentrated expertise, and maximized collaboration through BIM • Reviewing how motivation and continuous improvement was maintained throughout the project, to ensure lessons were learned throughout design and construction, not just at project completion Marty Corrado , General Superintendent, J E Dunn Construction Company Chris Giattina , CEO, BLOX

■■■This seminar was more about showing what you have learned and help others get there as well. Very well done. ■■■

VDC/BIM Manager, SikHi Enterprises



Conference Day One | Tuesday, January 29, 2019

11.10 Increasing Accuracy of Bids & Estimates for Prefabricated Components

- Outlining a matrix that can be used to collect and analyze historical data to better inform bids and estimates
- Utilizing the matrix created to structure new estimates, and reviewing how to track project progress against expected savings to increase competitiveness of future bids
- Maximizing tools leveraged for estimating, such as BIM models for resource planning, to improve accuracy
- Discussing how RFP and bid documents can be better structured to demonstrate offsite considerations and encourage prefabrication to become more mainstream

Kevin Labrecque, SVP Operational Excellence,
Harper Limbach

11.10 Enhancing Design Collaboration Between the Office & Field

- Understanding the importance of trade input in design and how this will reduce later design changes and clashes: When is it too late to introduce partners to ensure cost benefits?
- Outlining how architects and engineers can support and aid the partner selection process to ensure quality of teams
- Reviewing what needs to be discussed with an open mind in early conceptual and constructability reviews to maximize prefab potential

Shawn Maley, Senior Associate, **Stantec**

Ryan Broadbin, Project Manager, **Dimeo Construction Company**

Mike Camp, General Superintendent,
Dimeo Construction Company

11.10 Effective DMC Solutions: What's Your Role in Making This Happen?

- Assessing the value proposition for offsite construction on day one: What does this look like for different types of projects?
- Outlining the roles of the different stakeholders in the early stages of project conception and how to make this work
- Mapping out the different roles from initial thought to project turnover: Why and how does this change during the process?

Roger Krulak, CEO, **FullStack Modular**

Spotlight Case Study

11.50 Establishing Manufacturing Workflows to Optimize Assembly

- Transforming the production line with a manufacturing mindset to set up machinery and operations for automation
- Outlining how to better structure the BIM model to be able to talk to machinery and speed up operations, and how this system can be practically implemented
- Reviewing other possible uses of automation in the plant, such as material movement, and how the benefits of this technology can be maximized offsite

Joe Mierzejewski, Consultant,
Ianus Companies

11.50 Maximizing the Use of BIM Across Stakeholders to Ensure Co-ordination & Ease of Installation

- Identifying the different uses of the model across a project and how the requirements of each party align to better structure it in a way that serves all functions
- Ensuring the entire project team is on board from day one, agreeing formats and approaches to data sharing to minimize costly revisions later in the process
- Developing and maintaining BIM regulations across projects that engages all partners, and finding ways to hold everyone accountable to maximize collaboration

Jim Barrett, VP & Chief Innovation Officer,
Turner Construction

11.50 Audience Discussion: Where Do I Fit in a Changed Paradigm?

- Exploring the position of modular companies in the traditional supply chain and the changed dynamic of stakeholder relationships when modular companies are brought on board
- Assessing the position of traditional stakeholders, and how companies can be better positioned and prepared to collaborate on projects with offsite construction partners
- Reviewing how existing companies could alter their business model to increase competitiveness and integration in this market

Roger Krulak, CEO, **FullStack Modular**
(session facilitator)

12.30 Lunch Break



Conference Day One | Tuesday, January 29, 2019

Single-Trade MEP & Other Individual Components	Multi-Trade Leadership & Complex Coordination	Volumetric Modular & Industrialized Structural Systems
Harnessing Advanced Technologies to Streamline Shop Operations 1.30 Creating Advanced Work Packages to Minimize Downtime Between Projects <ul style="list-style-type: none">Understanding the concept of Advanced Work Packages and how this can help to streamline productionAnalyzing construction workflows for prefab and how this can help structure packages to cover all elementsEstablishing and maintaining a pro-active mentality to maintain momentum and productivity of workers Eric Abbott , Area Superintendent, Rosendin Electric	Exploring New Possibilities for Collaboration 1.30 Panel: Exploring the Potential for Multi-Trade Manufacturers to Become a Single Industry Source <ul style="list-style-type: none">Reviewing the increase in 'prefab' manufacturers, and the benefits of having a single source of multi-trade components over the co-ordination of multiple tradesUnderstanding how traditional structures, such as contracts and partnering, must adapt to accommodate these companiesComparing the advantages of transferring multi-trade co-ordination to a single source to strategic partnering, and how companies could better adopt either approach to increase profitability Virginia Calkins , Development Manager, Sares-Regis Group, Google Troy Galvin , Manager, PCL Agile, PCL Construction Paul Kirchoff , CRO, Epsilon Industries Eric Parnell , Owner, ArchBoutant John Chamberlin , Senior Product Manager, Georgia-Pacific Gypsum LLC	Optimizing Business Structures for Success 1.30 Modular in the Big Apple: How is NYC Leveraging Modular Construction to Deliver Affordable Housing Faster & More Cost-Effectively? <ul style="list-style-type: none">Reviewing the history of modular construction with a particular focus on projects in NYC: What have been the successes, challenges, and obstacles to widespread adoption considering the current state of the modular industry?Understanding the potential of modular for multifamily construction: Are there particular multifamily typologies best suited to prefab and why have certain non-residential typologies, such as hospitality and healthcare, seen more widespread adoption?Designing a modular program to address NYC's affordable housing crisis: What can be best controlled to position modular technology for success? Jon Cohen , Policy Advisor, NYC Department of Housing & Economic Development

■■■ This was a great reminder that other companies are going through the same things we are. The benefit of learning from these companies is that all of us do not have to make the same mistakes, we can continuously improve together. ■■■

Prefabrication Manager, Houle Electric



Conference Day One | Tuesday, January 29, 2019

2.10 Automating the Spooling Process from the REVIT Model

- Reviewing formats for design which can more easily coordinate with REVIT functionality
- Developing a process to integrate and automate data transfer from system specifications to models to more quickly and efficiently build useable spools
- Exploring advanced tools & technologies that can ease the spooling process and more easily streamline information with downstream technology

David Pikey, VP Corporate Technology, **The Hill Group**

2.10 Advancing Collaboration Beyond MEP Contractors Using the Digital Thread

- Identifying opportunities to incorporate MEP and exterior wall companies to push the boundaries of traditional multi-trade collaboration
- Hearing the end-to-end process for planning, building and sequencing more complex collaboration to streamline operations
- Reviewing the business case of incorporating more elements into the prefabricated assembly and how this improved project savings

Jennifer Cipolla, VP Manufacturing, **Prescient Co.**

Spotlight Case Study

2.10 Enhancing Results with Vertical Integration

A handful of companies are beginning to explore the potential for vertically integrating to enhance collaboration across the construction process. While this can bring significant benefits for modularization, many are still unsure of how this could work for them.

- Demonstrating the business case for vertical integration and the impact that is can actually have to improve profit margins
- Reviewing the process of breaking down silos and effectively integrating several traditional functions into a single company
- Analyzing the investment necessary to build and maintain such firms, and how this can be successfully secured

Randy Miller, CEO, **RAD Urban**

2.50 eVolve Software: Finding Solutions to Your Workflow Challenges

eVolve Software is on a mission to help contractors find solutions to workflow challenges to allow their businesses to grow and thrive. During this presentation, David Ronson will show you how eVolve can innovate your process, projects, and company as a whole.

- Strengthen your bottom line with increased efficiency and higher profit margin
- Accelerate your processes with model-driven fabrication
- Concentrate on your business instead of searching for a solution to workflow challenges

David Ronson, Product Manager, **Applied Software**

2.50 Technology Spotlight (TBC)

2.50 XSite Case Study: Using Modular Approaches to Take Data Centers the Next Level in a Thriving Age of IoT

Data Centers present teams with many opportunities to harness complex prefabrication, and built in the right way, can enhance the total cost of ownership for the end user. Therefore, this session will take a more detailed look at how XSite are creating longer lifespans, reducing failure scenarios, and incorporating more advanced IoT components by:

- Reviewing the benefits of modular data centers and situations when this delivery method is optimal
- Understanding how to swiftly design and deploy buildings with predictable performance, flexible maintenance and future scalability
- Applying a new methodology of manufacturing building blocks to allow for future growth and scalability without constraints

Amy Marks, CEO, **XSite Modular**

3.30 Afternoon Refreshments



Conference Day One | Tuesday, January 29, 2019

Maximizing Prefabrication & Modularization Opportunities

4.00 Identifying All Opportunities for Prefabrication on Your Project & Selecting the Best for Your Team

- Thinking outside the box: Encouraging teams to think creatively in the initial conceptual stages to identify prefabrication opportunities and leveraging a systematic approach to lock down prefab and modular scopes on your project
- Underlining ways to select skilled teams and gain buy-in from other project partners, while ensuring you are always providing value to our clients
- Adapting facilities and workflows to optimize productivity on your next project, and how this experience can help to identify potential areas for standardization

Troy Galvin, Manager, PCL Agile,
PCL Construction

Andrew Fleetwood, Estimator,
PCL Construction

Kyle Sandiford, Superintendent,
PCL Construction

4.40 Continuous Improvement of the Building Process: Harnessing Team Experiences to Advance Prefabrication on Subsequent Projects

- Reviewing lessons learned by each stakeholder on previous projects and how this can inform improvements in the future
- Understanding how each stakeholder developed their prefabrication capabilities from one project to the next, and how this accumulated on the final project to assess the unique opportunities here to take prefabrication to the next level
- What's next?: What lessons have been learned so far from projects like Mount Carmel, Houston Methodist, UTSW and San Antonio Military Medical Center by each stakeholder, and where do they see the opportunities to improve next time around?

Kurt Stahl, SVP Healthcare, **AECOM Hunt**
Bernie Sublette, VP & Project Executive,
AECOM Hunt

Greg Mare, Healthcare Practice Leader, The Americas, **AECOM**

David Peterson, SVP, **ERMCO Inc.**
Darin Long, National Account Manager,
Schneider Electric

5.40 Chair's Closing Remarks

Amy Marks, CEO, **XSite Modular**

■■■ This was one of the best conferences I have ever attended.
The material was extremely thought provoking and relevant. ■■■

Project Estimator, Haselden Construction



Conference Day Two | Wednesday, January 30, 2019

8.20 Chair's Opening Remarks

Amy Marks, CEO, **XSite Modular**

Understanding of the Benefits of Offsite Work

8.30 Keynote: Changing the Way We Build: A Singapore Journey

- Outlining the process of changing the way we design and construct buildings through the Design for Manufacturing and Assembly (DfMA) approach
- Highlighting government initiatives, achievements, challenges and considerations in adopting DfMA technologies in Singapore
- Exploring how various DfMA technologies have been employed successfully across a wide range of applications, including offices, airports, universities, hotels and stadiums

Ramamoorthy Rajendran,
Director of Technology & Capability,
Building & Construction Authority
Singapore

9.10 Nailing the Dollar Cost of Offsite Work: How Can You Track & Prove the True Cost Savings of Prefabrication?

- Reviewing different productivity factors enhanced by prefabrication and the metrics that project teams can track to demonstrate indirect cost benefits
- Exploring tools and systems that can accurately and efficiently collect and analyze data across projects
- Taking the holistic view: How can these metrics be aggregated and compared to show the entire cost benefit on a project and better reflect fabrication productivity?

Breakouts

10.00 Optimizing the Planning Process for Prefabrication: How Does this Compare to Preparing for Industrialized Construction?

- Outlining the stages of an efficient kick-off meeting and ensuring everyone is on the same page from day one: What can be done to maintain these efforts throughout construction?
- Analyzing how logistics can be considered up-front to ensure efficiency of install and minimize mistakes during assembly: What needs to be planned for and when to better streamline operations?
- Examining the differences in planning and sequencing prefabrication efforts to modularization, and what additional considerations must be factored in to incorporate industrialized components

Graham Ryan,
Project Manager,
The Boldt Company

10.40 Morning Refreshments



Conference Day Two | Wednesday, January 30, 2019

Single-Trade MEP & Other Individual Components	Multi-Trade Leadership & Complex Coordination	Volumetric Modular & Industrialized Structural Systems
Taking Assemblies from Shop to Field 11.10 Revising Traditional Approaches to Assembly to Ease Logistics & Transportation • Reviewing how early planning in design can ease logistics and install later down the line • Evaluating innovative approaches to design and assembly to ease transportation and minimize residual damage • Establishing a responsibility matrix at the job site to ensure all parties work together to reduce damage and disputes Eric Opstedahl , Prefab Manager, Helix Electric	Navigating Complex Logistics 11.10 Getting Ahead of Planning & Coordination of Install to Increase Predictability on the Jobsite • What needs to be planned for and when to properly prepare the team on site for installation? • Setting-up skills and expectations from the beginning of processes and document formats used to ensure efficiency of handover from the shop to jobsite • Exploring tools and technologies that can be harnessed to ease installation and increase speed and accuracy of work on site Justin Brockenbrough , Fabrication Manager, Harper Limbach	Re-Structuring Traditional Systems for Modularization 11.10 Marriott Case Study: Refining the Modular Program on the AC Nomad New York • Reviewing the success and challenges of the first stages of implementing a wide-scale modular initiative and how this has been received with different owners • Learning how a global supply chain was established, and what would need to be provided by US companies to better serve construction requirements • What next?: Developing the program further to expand capabilities and improve current initiatives Jennifer Abuzeid , Senior Director – Global Design Strategies, Marriott International David Walsh , Senior Director – Project Management, Marriott International Carl Hren , SVP Development, Concord Hospitality Enterprises Danny Forster , President, Danny Forster & Architecture Jack Dooley , CEO, Skystone Group

■■The conference was well managed. A wide variety of subjects were covered from the owner, GC and specialty contractor perspective. There was plenty of material to take back to our company and improve our business. ■■

President, Southern Air Inc



Conference Day Two | Wednesday, January 30, 2019

11.50 Establishing Lean Workflows & Promoting Sustainability Through Prefabrication

- Identifying areas of prefabrication workflows where waste can be reduced and aligning lean principals that can help ensure clean delivery
- Harnessing prefabrication as a disruptive technology to promote the benefits of sustainability to deliver higher value to clients and project partners, and enhance your business case to secure buy-in
- Reviewing the ways prefab and manufacturing can help owners meet sustainable building aims and energy requirements, and how this may aid expansion or standardization of components

Jessie Stenftenagel, Director of Sustainability, **DIRTT**

11.50 Crossing Jurisdictions: What Needs to Be Considered & How Can This Be Better Navigated?

- Outlining approaches or strategies of integrating teams from both unionized and non-unionized areas, and how this can be organized to maintain high quality project partners and execution
- Reviewing how teams can leverage smarter engineering and construction methods to better navigate local building codes and prefabricate for projects in other states
- Discussing how union and non-unionized labor rates are impacting offsite manufacturing innovation, and how this may be better supported by adapting to new means and methods to support our industry paradigm shift to new standards of practice

Adam Tarr, Chief Product Officer, **Critical Process Systems**

Michael Anderson, VP Global Projects & Strategic Initiatives, **Critical Process Systems**

12.30 Reviewing the Business Case for Centralized vs. Regional Operations

- Analyzing the benefits and drawbacks of each approach and what the triggers may be to change your approach
- Building the business case for expansion and how teams have successfully driven investment in such initiatives
- Discussing approaches to strategizing and scaling up operations, whilst maintaining control and standardized practices across the company

Panelists

Marty Hancharenko, Operations Manager, **Mortenson**

Chris McLean, Director, Mission Critical Solutions, **M C Dean Inc**

12.30 Taking Prefabrication to the Master Planning Level

- Seeing beyond the reality of button pushing: Understanding tools and methods that can be used to open the eyes of prefab novices to the potential for this and build excitement to take a new role in the construction process
- Reviewing how to take lessons learned from smaller projects and scale this up to a global scale, from broadening horizons and identifying new opportunities, through stabilizing and managing a global supply chain
- Exploring the potential of technology to streamline processes on a large scale: What is the potential for fully automated factories and how will this alter the procurement process to combat labor shortages?

Paul Doherty, CEO & President, **The Digit Group**

12.10 Sikla Modular Steelwork

Jon White, Senior Business Manager, **Sikla**

12.30 Panel: Creating a Quality Modular Supply Chain

- Understanding the needs of modular manufacturers and contractors, and how teams may better serve this demand, while maintaining flex for individualization
- Examining where the supply chain may come from, and how traditional fabricators may be able to adapt to deliver for a new type of client
- Reviewing ways to ensure consistency in the supply chain, and rethink partnerships to maintain production lines

Isaac-Daniel Astrachan, Principal, **SBJ Group**

Adam Tarr, Chief Product Officer, **Critical Process Systems**

Peter Murray, President of Manufacturing, **Skender**

Mark Boyle, SVP Procurement, **Turner Construction**

1.10 Networking Lunch

This lunch break will allow you to network and get advice from your direct peers, as well as the speakers, with informal groups networking in designated seating areas. You will be able to discuss the key barriers you are currently facing, and share ideas on how to combat these from the individual perspectives of an owner, architect, contractor, or specific trades.



Conference Day Two | Wednesday, January 30, 2019

Taking Your Capabilities to the Next Level

2.10 **Panel: Prefab & Modular, the Industry Disruptor: How is the Construction Industry Going to Have to Change in the Next 5 Years as Offsite Construction Grows?**

- Discussing the ways in which the traditional supply chain is changing, and exploring different contracts and structures that will change the way stakeholders work together in the future
- Analyzing the impact that disruption is having on existing business models and the different approaches new companies are exploring to expand and specialize: How will you adapt to remain successful in the next 5-10 years?
- Reviewing current innovations in construction technology, and identifying advanced tools and systems that will likely enhance industrialized construction

Sue Klawans, Independent Representative (Facilitator)

Robert Crotty, AVP Capital Productivity & Improvement, **HCA**

Virginia Calkins, Development Manager, Sares-Regis Group, **Google**

Mark D'Arcy, VP Design & Construction, **Universal Health Inc.**

Mike Kotubey, President, **TDIndustries**

Lonnie Cumpton, VDC Manager, **Faith Technologies**

Tobias Hogan, Director of Agile Operations, **Aldridge Electric**

Joe Mierzejewski, Independent Consultant

3.00 **International Lessons Learned in Volumetric Modular Construction: Japan, Sweden, Poland, UK & USA**

- Evaluating the traditional construction sector's perceptions of volumetric commercial modular via the results of a national survey
- Sharing international case studies of modular companies in Japan, Sweden and the UK to determine how the US might upscale and upskill to meet current construction demand
- Discussing a roadmap for increasing the competence, capacity and capability of volumetric modular builders in order to achieve greater productivity in the construction sector

Ryan E. Smith, Director & Professor, School of Design and Construction, **Washington State University**

Ivan Rupnik, Associate Professor of Architecture, **Northeastern University**

3.50 **Chair's Closing Remarks**

Amy Marks, CEO, **XSite Modular**



January 28-31 2019 | Dallas, Texas

Post-Conference Workshops | Thursday, January 31, 2019

10am - 12pm

Platinum Package: Seeing Inside an Electrical Contractor's Job-shop

Entering a job-shop set up for the construction of a very large social media data center, Rosendin Electric will take attendees on a guided tour through prefab and packaging operations to learn how they swiftly establish the right culture, optimize production lines, and create job specific workflows that

effectively co-ordinate complex multi-trade prefabricated components. Taking a deeper dive into team thought processes and leadership, the interactive portion of the tour will allow you to reflect on what has been shared and align your own experiences to take home actionable solutions for your next project.

This workshop is now full. Please contact a member of the team if you would like to be added to the waiting list.



Rosendin Electric,
Dallas TX





Event Partners & Exhibitors

Expertise Partner



Applied Software is a premier national professional services firm providing workflow analysis and expertise to the construction, architecture, engineering, and manufacturing industries. Our design strategies help companies optimize their processes and workflow to design and build better construction projects, factories, and manufacturing products. With over 30 years' expertise in 2D and 3D modeling, building information modeling, and construction technology consulting, Applied Software has helped over 5,000 customers assess and align their processes to achieve optimal performance throughout the design ecosystem.

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Over nearly five decades Sikla has, pro-actively and gradually, shaped the way pipework is installed. Steel brackets used to be bent, welded, drilled and painted. On site, at a workbench with a vice and from raw material. It's been a long way to our today's modular steelwork system but, the old tradition still exists. Our job is not done yet, inefficient services installation still rules many construction sites.

www.sikla.com

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www.gp.com

Exhibitor



Headquartered in Houston, TX, Assemble Systems is a BIM Model-Data Management software company. Its flagship product Assemble is a cloud based platform allowing AEC firms to leverage BIM data for increased project insight, advanced project collaboration and data-driven decision making. Using Assemble, entire project team can quickly access, quantify, analyze, condition, organize, and share project information anywhere, anytime.

www.assemblesystems.com

■■■ It's 11am on Day 1 of the conference and I already have enough actionable leads to ensure a solid return on investment, can't wait for the rest of the 2 days. ■■■

VP of Business Development, BIM Solutions, Intergraph



Event Partners & Exhibitors

Exhibitor



GTP Services is a leading innovator in the construction industry by providing cutting-edge software and services that facilitate and bridge the gap within the construction workflow to help leverage your company's BIM efforts. Our tools will help raise your company's project bids, provide the ability to track the status of all items through the lifecycle of a project and communicate to the field directly through the model. GTP Services helps connect your business with technology that will elevate your company to the next level of overall construction workflows.

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NeoPod Systems™ is bringing new innovation to traditional construction methods. Pre-fabricated bathroom pods are designed, constructed and finished to meet your EXACT architectural specifications, manufactured in NeoPod's™ state-of-the-art production facility by an expert team of skilled professionals that have over 70 years' collective experience in Construction, Engineering and Manufacturing Industries.

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Exhibitor



For over a decade VaproShield has designed and manufactured high performance vapor permeable water resistive barriers (WRB) and air barrier (AB) membranes and accessories, creating a comprehensive approach to protecting the building envelope that leads to unprecedented savings.

www.vaproshield.com

Exhibitor



FARO® is the world's most trusted source for 3D measurement, imaging and realization technology. The company develops and manufactures leading edge solutions that enable high-precision 3D capture, measurement and analysis across a variety of industries including manufacturing, construction, engineering and public safety.

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www.faro.com

■■■ It's 11am on Day 1 of the conference and I already have enough actionable leads to ensure a solid return on investment, can't wait for the rest of the 2 days. ■■■

VP of Business Development, BIM Solutions, Intergraph



Event Partners & Exhibitors

Exhibitor



ROCKWOOL is a world leader in stone wool insulation products, manufacturing and supplying a full range of insulation systems and solutions for the entire building envelope. All our solutions are sustainable and created to protect people, buildings and the environment – today and tomorrow. Our insulation products are made from stone wool, which is based on one of nature's most abundant resources – volcanic rock. It is what forms the basis of our business and it is what enables us to offer insulation products with a unique combination of benefits.

www.rockwool.com

Exhibitor



ManufactOn is a SaaS (mobile/web) platform that helps construction firms plan, track, and manage both prefabrication and regular material handling. Because it is cloud-based, ManufactOn makes information visible to all people and all companies involved in a project, including: coordinators, detailers, procurement, shop foremen, field superintendents, and project leaders.

It not only allows general contractors to take control of the supply chain and optimize just-in-time delivery by managing, coordinating and tracking all trades, it also allows the trade contractor to optimize their production lines in prefab planning through delivery.

www.manufacton.com

■ I enjoyed the conference and meeting people. It challenges you to go back and try new things: What can I do to make the system more productive and more profitable? ■

President, FL Crane & Sons

Contact Us



Daniel Overd
Partnerships Director,
Construction

Tel: +1 713 554 8380
Email: sponsor@hansonwade.com



Toby Nott-Bower
Partnerships Director,
Construction

Tel: +1 713 554 8380
Email: sponsor@hansonwade.com



Pricing

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Top 3 Benefits of Attending

1

Drive Buy-in & Communication

2

Find Practical Solutions to Save Time & Money

3

Innovate Processes to Increase Efficiency

Contractors & Designers

	Register & Pay by Oct 05, 2018	Register & Pay by Oct 19, 2018	Register & Pay by Nov 16, 2018	Register & Pay by Dec 21, 2018	Standard
Gold (Conf + 2 WS + 1 Pre Event Visit)	\$2049 (save \$600)	\$2149 (save \$500)	\$2249 (save \$400)	\$2449 (save \$200)	\$2649
Silver (Conf + 3 WS)	\$1849 (save \$600)	\$1949 (save \$500)	\$2049 (save \$400)	\$2249 (save \$200)	\$2449
Bronze (Conf Only)	\$1299 (save \$600)	\$1399 (save \$500)	\$1499 (save \$400)	\$1699 (save \$200)	\$1899

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	Register & Pay by Oct 05, 2018	Register & Pay by Oct 19, 2018	Register & Pay by Nov 16, 2018	Register & Pay by Dec 21, 2018	Standard
Silver (Conf + 3 WS)	\$3498 (save \$600)	\$3598 (save \$500)	\$3698 (save \$400)	\$3898 (save \$200)	\$4098
Bronze (Conf Only)	\$2399 (save \$600)	\$2499 (save \$500)	\$2599 (save \$400)	\$2799 (save \$200)	\$2999

Venue

The Westin Galleria Dallas

13340 Dallas Pkwy,
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Full payment is due on registration. Cancellation and Substitution Policy: Cancellations must be received in writing. If the cancellation is received more than 14 days before the conference attendees will receive a full credit to a future conference. Cancellations received 14 days or less (including the fourteenth day) prior to the conference will be liable for the full fee. A substitution from the same organization can be made at any time.

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