Advancing Prefabrication 2019

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

- Bradley Lukanic
  CEO
  CannonDesign

- Roger Krulak
  CEO
  FullStack Modular

- Peter Murray
  President of Manufacturing
  Skender

- Michael Barrett
  GFEM Strategic Program Manager
  Intel Corporation

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

- Jennifer Abuzeid
  Senior Director – Global Design Strategies
  Marriott International

- 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

Group Discounts up to 20% Off Available

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:

- **Prefab Manager, Price Electric**
  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.

- **Project Estimator, Haselden Construction**
  This was one of the best conferences I have ever attended. The material was extremely thought provoking and relevant.
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

Automating Systems
New technology is emerging daily, but how can you truly select the best tool for your team and connect all operations to streamline data transfer faster and more efficiently? See how teams are automating design, spooling, production lines and more to inform your next move.

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.

HIGHLIGHT

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

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.

HIGHLIGHT

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?
Speakers

Amy Marks  
CEO  
XSite Modular

Michael Barrett  
GFM Strategic Program Manager  
Intel Corporation

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

Bradley Lukanic  
CEO  
CannonDesign

Roger Krulak  
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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

January 28-31 2019  |  Dallas, Texas 
Tel: +1 713 554 8380  
Email: info@hansonwade.com  
www.advancing-prefabrication.com
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
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

Tel: +1 713 554 8380  Email: info@hansonwade.com  
www.advancing-prefabrication.com
Ivan Rupnik  
Associate Professor of Architecture  
Northeastern University

John Prego  
Electrical Foreman  
Tri-M Electric LLC

Eric Abbott  
Area Superintendent  
Rosendin Electric

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

| Time       | Workshop A                                      | Workshop B                                      | Gold AM Package ONLY
|------------|-------------------------------------------------|-------------------------------------------------|---------------------------------------------------------
| 10am - 12pm| Rethinking Design for Prefabrication           | Automating Processes From Design Through Construction of Structural Systems | Site Visit to TDIndustries
| 1pm - 3pm  | Choose one session to attend                    |                                                 | SOLD OUT
| 3.30pm - 5.30pm | Choose one session to attend                  |                                                 | LIMITED AVAILABILITY

### Tuesday, January 29: Main Conference Day One

**Plenary: Setting-up for Success**

<table>
<thead>
<tr>
<th><strong>Single-Trade MEP &amp; Other Individual Components</strong></th>
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<td>Plenary: Maximizing Prefabrication &amp; Modularization Opportunities</td>
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### Agenda-at-a-Glance

#### Wednesday, January 30: Main Conference Day Two

<table>
<thead>
<tr>
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<th>Plenary: Understanding the Benefits of Offsite Work</th>
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<td>Industrialized</td>
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<td>Structural Systems</td>
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<td></td>
<td>Plenary: Taking Your Capabilities to the Next Level</td>
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</tbody>
</table>

#### Thursday, January 31: Post-Conference Workshop Day

<table>
<thead>
<tr>
<th>Platinum Package 1: 8-10am</th>
<th>Platinum Package 2: 10.30am-12.30pm</th>
<th>Platinum Package ONLY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Site Visit to Rosendin Electric</td>
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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

Tel: +1 713 554 8380  Email: info@hansonwade.com  www.advancing-prefabrication.com
**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

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**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

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**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.

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

**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.

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12.00 Lunch Break
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

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

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!
Pre-Conference Workshops | Monday, January 28, 2019

**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


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 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 leaders**

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**Workshop E**

Keith Swenson, President, Integrated Modular Design, CannonDesign
Deb Sheehan, Executive Director, Firmwide Strategies, CannonDesign
Greg Heiser, Principal, CannonDesign

**Workshop F**

Jody Seubert, Excellerate Operations Manager, Faith Technologies
Lonnie Cumpton, VDC Manager, Faith Technologies

**Workshop G**

Ryan Hoggatt, Director of Manufacturing, University Mechanical Contractors

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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

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

Is Your CompanyPrefab 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

Morning Refreshments & Speed Networking
## Conference Day One | Tuesday, January 29, 2019

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<tr>
<td><strong>Optimizing Internal Planning for Prefab</strong></td>
<td><strong>Improving Collaboration on Projects</strong></td>
<td><strong>Disrupting Age-Old Approaches</strong></td>
</tr>
</tbody>
</table>

### 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**

### 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 prefab 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**

### 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**

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“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

<table>
<thead>
<tr>
<th>11.10 Increasing Accuracy of Bids &amp; Estimates for Prefabricated Components</th>
<th>11.10 Enhancing Design Collaboration Between the Office &amp; Field</th>
<th>11.10 Effective DMC Solutions: What's Your Role in Making This Happen?</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Outlining a matrix that can be used to collect and analyze historical data to better inform bids and estimates</td>
<td>• 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?</td>
<td>• Assessing the value proposition for offsite construction on day one: What does this look like for different types of projects?</td>
</tr>
<tr>
<td>• Utilizing the matrix created to structure new estimates, and reviewing how to track project progress against expected savings to increase competitiveness of future bids</td>
<td>• Outlining how architects and engineers can support and aid the partner selection process to ensure quality of teams</td>
<td>• Outlining the roles of the different stakeholders in the early stages of project conception and how to make this work</td>
</tr>
<tr>
<td>• Maximizing tools leveraged for estimating, such as BIM models for resource planning, to improve accuracy</td>
<td>• Reviewing what needs to be discussed with an open mind in early conceptual and constructability reviews to maximize prefab potential</td>
<td>• Mapping out the different roles from initial thought to project turnover: Why and how does this change during the process?</td>
</tr>
<tr>
<td>• Discussing how RFP and bid documents can be better structured to demonstrate offsite considerations and encourage prefabrication to become more mainstream</td>
<td><strong>Kevin Labrecque</strong>, SVP Operational Excellence, Harper Limbach</td>
<td><strong>Roger Krulak</strong>, CEO, FullStack Modular</td>
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</table>

**Spotlight Case Study**

<table>
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<tr>
<th>11.50 Establishing Manufacturing Workflows to Optimize Assembly</th>
<th>11.50 Maximizing the Use of BIM Across Stakeholders to Ensure Co-ordination &amp; Ease of Installation</th>
<th>11.50 Audience Discussion: Where Do I Fit in a Changed Paradigm?</th>
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<tr>
<td>• Transforming the production line with a manufacturing mindset to set up machinery and operations for automation</td>
<td>• 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</td>
<td>• 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</td>
</tr>
<tr>
<td>• 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</td>
<td>• 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</td>
<td>• Assessing the position of traditional stakeholders, and how companies can be better positioned and prepared to collaborate on projects with offsite construction partners</td>
</tr>
<tr>
<td>• Reviewing other possible uses of automation in the plant, such as material movement, and how the benefits of this technology can be maximized offsite</td>
<td>• Developing and maintaining BIM regulations across projects that engages all partners, and finding ways to hold everyone accountable to maximize collaboration</td>
<td>• Reviewing how existing companies could alter their business model to increase competitiveness and integration in this market</td>
</tr>
<tr>
<td><strong>Joe Mierzewski</strong>, Consultant, Ianus Companies</td>
<td><strong>Jim Barrett</strong>, VP &amp; Chief Innovation Officer, Turner Construction</td>
<td><strong>Roger Krulak</strong>, CEO, FullStack Modular (session facilitator)</td>
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**12.30 Lunch Break**
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<td>Harnessing Advanced Technologies to Streamline Shop Operations</td>
<td>Exploring New Possibilities for Collaboration</td>
<td>Optimizing Business Structures for Success</td>
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</table>

#### 1.30 Creating Advanced Work Packages to Minimize Downtime Between Projects
- Understanding the concept of Advanced Work Packages and how this can help to streamline production
- Analyzing construction workflows for prefab and how this can help structure packages to cover all elements
- Establishing and maintaining a pro-active mentality to maintain momentum and productivity of workers

**Eric Abbott**, Area Superintendent, *Rosendin Electric*

#### 1.30 Panel: Exploring the Potential for Multi-Trade Manufacturers to Become a Single Industry Source

- Reviewing the increase in ‘prefab’ manufacturers, and the benefits of having a single source of multi-trade components over the co-ordination of multiple trades
- Understanding how traditional structures, such as contracts and partnering, must adapt to accommodate these companies
- Comparing 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*

#### 1.30 Modular in the Big Apple: How is NYC Leveraging Modular Construction to Deliver Affordable Housing Faster & More Cost-Effectively?

- 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*

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“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*
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
<th>Company/Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.10</td>
<td>Automating the Spooling Process from the REVIT Model</td>
<td>David Pikey, VP Corporate Technology, The Hill Group</td>
<td>The Hill Group</td>
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<tr>
<td></td>
<td>• Reviewing formats for design which can more easily coordinate with REVIT functionality</td>
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<td></td>
<td>• Developing a process to integrate and automate data transfer from system specifications to models to more quickly and efficiently build useable spools</td>
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<td></td>
<td>• Exploring advanced tools &amp; technologies that can ease the spooling process and more easily streamline information with downstream technology</td>
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<td>2.10</td>
<td>Advancing Collaboration Beyond MEP Contractors Using the Digital Thread</td>
<td>Jennifer Cipolla, VP Manufacturing, Prescient Co.</td>
<td>Prescient Co.</td>
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<td></td>
<td>• Identifying opportunities to incorporate MEP and exterior wall companies to push the boundaries of traditional multi-trade collaboration</td>
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<td>• Hearing the end-to-end process for planning, building and sequencing more complex collaboration to streamline operations</td>
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<td>• Reviewing the business case of incorporating more elements into the prefabricated assembly and how this improved project savings</td>
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<tr>
<td>2.10</td>
<td>Enhancing Results with Vertical Integration</td>
<td>Randy Miller, CEO, RAD Urban</td>
<td>RAD Urban</td>
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<td>• Demonstrating the business case for vertical integration and the impact that is can actually have to improve profit margins</td>
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<td>• Reviewing the process of breaking down silos and effectively integrating several traditional functions into a single company</td>
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<td>• Analyzing the investment necessary to build and maintain such firms, and how this can be successfully secured</td>
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<tr>
<td>2.50</td>
<td>eVolve Software: Finding Solutions to Your Workflow Challenges</td>
<td>David Ronson, Product Manager, Applied Software</td>
<td>Applied Software</td>
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<td></td>
<td>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.</td>
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<td></td>
<td>• Strengthen your bottom line with increased efficiency and higher profit margin</td>
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<td></td>
<td>• Accelerate your processes with model-driven fabrication</td>
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<td></td>
<td>• Concentrate on your business instead of searching for a solution to workflow challenges</td>
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<tr>
<td>2.50</td>
<td>Technology Spotlight (TBC)</td>
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<td>2.50</td>
<td>XSite Case Study: Using Modular Approaches to Take Data Centers the Next Level in a Thriving Age of IoT</td>
<td>Amy Marks, CEO, XSite Modular</td>
<td>XSite Modular</td>
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<td>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:</td>
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<td>• Reviewing the benefits of modular data centers and situations when this delivery method is optimal</td>
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<td>• Understanding how to swiftly design and deploy buildings with predictable performance, flexible maintenance and future scalability</td>
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<td>• Applying a new methodology of manufacturing building blocks to allow for future growth and scalability without constraints</td>
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<tr>
<td>3.30</td>
<td>Afternoon Refreshments</td>
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</table>
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 DIMA technologies in Singapore
- Exploring how various DIMA 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
- **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**

### Multi-Trade Leadership & Complex Coordination
- **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**

### Volumetric Modular & Industrialized Structural Systems
- **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**

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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

<table>
<thead>
<tr>
<th>11.50 Establishing Lean Workflows &amp; Promoting Sustainability Through Prefabrication</th>
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</table>
| • 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 |

<table>
<thead>
<tr>
<th>11.50 Crossing Jurisdictions: What Needs to Be Considered &amp; How Can This Be Better Navigated?</th>
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</table>
| • 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 |

<table>
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<tr>
<th>12.10 Sikla Modular Steelwork</th>
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<tr>
<td>Jon White, Senior Business Manager, Sikla</td>
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<tr>
<th>12.30 Reviewing the Business Case for Centralized vs. Regional Operations</th>
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</table>
| • 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 |

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<tr>
<th>12.30 Taking Prefabrication to the Master Planning Level</th>
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| • 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 |

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<tr>
<th>12.30 Panel: Creating a Quality Modular Supply Chain</th>
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</table>
| • 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 |

<table>
<thead>
<tr>
<th>1.10 Networking Lunch</th>
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<tr>
<td>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.</td>
</tr>
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Tel: +1 713 554 8380   Email: info@hansonwade.com   www.advancing-prefabrication.com
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
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.
Event Partners & Exhibitors

Expertise Partner

Applied Software

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.

www.asti.com

Program Partner

sikla

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

Hosting Partner

Georgia-Pacific

Georgia-Pacific is one of the world’s leading makers of tissue, pulp, paper, packaging, building products and related chemicals. You may recognize our household brands, such as Brawny® paper towels, Quilted Northern® bath tissue and Dixie® cups and tableware. If you’re in the construction business, you’re probably familiar with our gypsum panels and other quality building materials. Even if you work in aerospace, mining or facilities management, Georgia-Pacific products may be part of your day.

www.gp.com

Exhibitor

assemble

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 teams 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

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<th>Exhibitor</th>
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<tr>
<td><strong>GTP</strong></td>
<td><strong>NeoPod Systems™</strong></td>
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<tr>
<td>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 though the model. GTP Services helps connect your business with technology that will elevate your company to the next level of overall construction workflows.</td>
<td>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.</td>
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<td><a href="http://www.gogtp.com">www.gogtp.com</a></td>
<td><a href="http://www.neopodsystems.com">www.neopodsystems.com</a></td>
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<tr>
<td><strong>VaproShield</strong></td>
<td><strong>FARO®</strong></td>
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<td>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.</td>
<td>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. They create unique value and support operational excellence for all their customers by enabling faster, more accurate, compelling and useable 3D documentation, accelerating execution timelines, shrinking margin impacting scrap and rework costs, and reducing development risk.</td>
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<td><a href="http://www.vaproshield.com">www.vaproshield.com</a></td>
<td><a href="http://www.faro.com">www.faro.com</a></td>
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VP of Business Development, BIM Solutions, Intergraph
Event Partners & Exhibitors

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| **ROCKWOOL**

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

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| **ManufactOn**

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

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“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

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Contact Us

**Daniel Overd**
Partnerhips Director, Construction
Tel: +1 713 554 8380
Email: sponsor@hansonwade.com

**Toby Nott-Bower**
Partnerhips Director, Construction
Tel: +1 713 554 8380
Email: sponsor@hansonwade.com
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  - **Gold (Conf + 2 WS + 1 Pre Event Visit)**
    - Register & Pay by Oct 05, 2018: $2049 (save $600)
    - Register & Pay by Oct 19, 2018: $2149 (save $500)
    - Register & Pay by Nov 16, 2018: $2249 (save $400)
    - Register & Pay by Dec 21, 2018: $2449 (save $200)
  - **Silver (Conf + 3 WS)**
    - Register & Pay by Oct 05, 2018: $1849 (save $600)
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    - Register & Pay by Nov 16, 2018: $2049 (save $400)
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    - Register & Pay by Oct 05, 2018: $1299 (save $600)
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    - Register & Pay by Oct 05, 2018: $3498 (save $600)
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    - Register & Pay by Nov 16, 2018: $3698 (save $400)
    - Register & Pay by Dec 21, 2018: $3898 (save $200)
  - **Bronze (Conf Only)**
    - Register & Pay by Oct 05, 2018: $2399 (save $600)
    - Register & Pay by Oct 19, 2018: $2499 (save $500)
    - Register & Pay by Nov 16, 2018: $2599 (save $400)
    - Register & Pay by Dec 21, 2018: $2799 (save $200)

#### Team Discounts

- **10% discount** – Team of 3+
- **15% discount** – Team of 5+
- **20% discount** – Team of 8+

Please note that discounts are only valid when three or more delegates from one company book and pay at the same time.

#### Top 3 Benefits of Attending

1. **Drive Buy-in & Communication**
2. **Find Practical Solutions to Save Time & Money**
3. **Innovate Processes to Increase Efficiency**

#### Client & Academic Discount

40% off the current contractor & designer price. Call or email for more details on how to register with this discount.

#### Venue

**The Westin Galleria Dallas**

13340 Dallas Pkwy,
Dallas, TX 75240,
USA

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