



# AWP Conference

North America • October 26 - 27, 2021

*awpconference.com | a virtual event*

## Conference Theme: “Optimizing Your AWP Systems”

For 2021, the AWP Conference theme is “Optimizing Your AWP Systems”, highlighting the global explosion of interest in AWP processes and technologies, and the fact that in North America, we’re not at the stage of deciding whether to use Advanced Work Packaging, but rather how to use it, how to do it better, and how to optimize our systems. The program will focus on key topic areas relevant to all project stakeholders, with extra attention to the front-end / engineering and field-level execution groups, including (but not at all limited to): front-end planning, WorkFace Planning, materials management, package creation, engineering considerations, CC&SU considerations, contract strategy and much more.



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COAA  
Construction Owners  
Association of Alberta

*With support from Construction Industry Institute (CII) and the Construction Owners Association of Alberta (COAA)*

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## Day 1 Theme (Oct. 26): WorkFace Planning

Schedule is in Central Daylight Time (CDT)

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**9:00 AM**    **Opening Session:** Thought leaders and subject matter experts from the day's program kick off the event and provide context for the session themes and topics.

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**9:30 AM**    **Establishing a Material Management System to Optimize your AWP Implementation:** Materials can be the greatest cost on a project, and the effective flow of materials is vital for project success. Despite the importance of materials, projects commonly run into supply chain problems. CII RT-363 presents its recommendations to improve the supply chain in three areas: process improvements, supplier integration, and the digital supply chain. These recommendations are framed in the context of AWP project execution but may also be implemented independently as part of effective project execution. Improving supply chain performance is seen to maximize the benefits of AWP programs – helping firms realize the potential of 25% improvements in productivity and 10% reduction in TIC that stems from the mature implementation of AWP.

**Speakers:**

- Anabella Martin, Global Business Development Manager, Hilti
- Eric Crivella, Director of Business Development, Digital Construction Works
- Robert Hood, Project and Account Manager, Intelliwave Technologies
- Joel Peterson, AWP-WFP & Material Manager, Performance Contractors

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**10:30 AM**    Networking break

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**11:00 AM**    **Breakout Session #1:** Choose from one of the available one-hour sessions in the following themed breakout track rooms: 1) *Industry Associations and Research Initiatives* 2) *Front-End Planning and AWP Topics* 3) *WorkFace Planning and AWP Topics* 4) *Technology Initiatives* 5) *Special Topics*. These are smaller, more focused sessions with sponsored speakers and invited guest presenters.

**Options:**

1. CII: Scaffolding & Access
2. O3 Solutions: Choose Your Own AWP Adventure
3. Element Industrial presents: A Paradigm Shift in Data Management for WFP
4. Autodesk: Your Technology Platform for Delivering Industrial Projects
5. JGC Corporation presents: Concept and Implementation of EWP

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**12:00 PM**    Lunch Break

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**1:00 PM**    **Breakout Session #2:** Attend a one-hour breakout session in a themed track room.

**Options:**

1. CII: AWP Data Requirements Update (Past, Present & Future)
  2. AWP University presentation
  3. Construct-X presentation
  4. Insight-AWP presents: Data Requirements / Data Warehousing
  5. BrandSafway: Access for AWP Projects
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2:00 PM Networking Break

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2:30 PM **Creating Buildable Packages:** Different disciplines require different information in different formats. What's similar across trades and what's different based on the discipline? How can we use the technology / tools to better plan the work? In For example, piping, steel and electrical are all unique crafts and we need to create packages that are effective for the trade that is building the work. 3D models and visualization tools can be used to create plans with all the necessary data and information and help to address information management and other challenges such as: what are our access issues? What's in our way? Where will the material be stored? Where are the cranes going to be? In this session, we will look at specific similarities and differences in different disciplines' work packages by showing what each disciplines' unique packaging needs are; this will highlight the differences, and we can show how the tools can help us build the packages.

**Speakers:**

- Cody Austin, Technical Solutions Executive, Autodesk
  - Andre Perales, Business Development Manager, iConstruct
  - Ben Swan, AWP Consultant, Construct-X
  - Alex Wunderink, Civil Engineer, Eastman
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3:30 PM **Keynote: LyondellBasell – An AWP Journey:** This keynote presentation will feature LyondellBasell's case study in Advanced Work Packaging and WorkFace Planning implementation, with the support of their contractor partner Zachry: how did AWP & WFP help execution and achieve better project results? What was valuable to them in this process? What are the things that 'bogged them down' when trying to deliver? This session will be supported by AWP & WFP implementation expert and consulting firm Insight-AWP.

**Speakers:**

- Robert Harris, Sr. Project Controls Construction Coordinator, Zachry Group
  - Geoff Ryan, AWP Facilitator and CEO, Insight-AWP
  - Alexis Thorne, Director, Engineering Delivery, Global Projects, LyondellBasell
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4:30 PM **AWP Awards Presentation and Day One Closeout**

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5:30 PM **End of day one program**

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## Day 2 Theme (Oct. 27): Front-End Planning

Schedule is in Central Daylight Time (CDT)

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9:00 AM **Opening Session:** Thought leaders and subject matter experts from the day's program kick off the event and provide context for the session themes and topics.

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9:30 AM **Keynote: AWP and Engineering – The Final Frontier:** AWP is here to stay. The value has been proven and major organizations are mandating its use. Yet, adoption among engineering organizations remains a challenge to moving projects from WFP to true AWP. In this interactive discussion, we will address why AWP use among engineers isn't at the same level as that of their construction colleagues. What is the

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true cost to engineering to adopt AWP? Does AWP in engineering require increased spend and new deliverables? How are organizations addressing and minimizing that cost? What are the AWP benefits directly to engineering? Join us in the most important discussion we can have for moving AWP forward for the entire industry.

**Speakers:**

- Josh Girvin, CEO, O3 Solutions
- Mark Mehta, Construction SME, iConstruct
- David Gardner, Director of Engineering – Piping Design, McDermott
- John Fotherby, Partner, Kingsfield Academy

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10:30 AM Networking break

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11:00 AM **Breakout Session #3:** Attend a one-hour breakout session in a themed track room.

**Options:**

1. CII: Contract Strategy
2. Teknobuilt presentation
3. Intelliwave presents: Integrated Materials Management – E to P to C
4. iConstruct presents: Create Business Value w/ 3D AWP Dashboard Reports
5. Fluor: LNG Canada Project

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12:00 PM Lunch Break

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1:00 PM **Breakout Session #4:** Attend a one-hour breakout session in a themed track room.

**Options:**

1. COAA: Path of Construction
2. AVEVA presentation
3. Trillium Advisory Group: AWP - Making the Leap from Theory to Reality
4. Digital Construction Works: CDE for AWP
5. Eyrus presentation

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2:00 PM Networking Break

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2:30 PM **Comprehensive Front-End Planning – Making the Right Initial Decisions to Enhance Your Project's Chances for Success:** How you establish a project can be the difference between success and failure. Planning with the end in mind is a cornerstone to successful project management. By taking a collaborative approach at the front-end and focusing on how the project will be constructed and commissioned, we can improve the project's likelihood of success. This session will provide guidance on how contract strategy, data, materials, and engineering should be addressed to support the building and operating of the final facility. The presenters of this session will be drawing not only from their own experience, but also from the publications and resources available through the Construction Industry Institute.

**Speakers:**

- Silvana Lara, Global Director of Advanced Work Packaging, Fluor
- Jay Prakash, Megaprojects AWP Advisor, Formerly ExxonMobil AWP CoE
- Lee Tedstone, VP, Global Head of Digital Project Execution, AVEVA

**3:30 PM**    **Building with the End in Mind – Ensuring a Seamless Transition from Area-Based Construction to Systems Turnover:** Mechanical completion is the building; commissioning, completions, and start-up (CCSU) is getting the facility running and operational. The constructors build the facility, but until it becomes operational, it's not generating any revenue. The critical consideration is how do we switch from construction to operations? Planning for CSU in early FEP is a critical step to ensuring a smooth and planned transition from Area-Based construction to a phased system-based turnover construction strategy. In this session, our experts will provide concrete examples to assist you in getting your facilities operational.

**Speakers:**

- Mikitaka Hayashi, EPC DX Department, Chief Advisor, JGC Corporation
- Jay Moser, PTE Construction and Fabrication, Global AWP Champion, Shell
- Robin Mikaelsson, President, AWP University
- Yogesh Srivastava, CEO, Teknobuilt

**4:30 PM**    **Next Steps and Future Directions with Panelist-Audience Q&A**

**5:30 PM**    End of AWP Conference 2021: North America

## Breakout Sessions and Tracks: Schedule at a Glance

*(All Topics and Track Themes Based on Owner / EPC-identified 'Pain Points')*

The breakout program is a key part of the AWP Conference; these are one-hour focused sessions on specific themed topics; for 2021, our breakout sessions will aim to address issues identified by project owners and EPCs as specific challenges or 'pain points' in project performance and construction productivity while also highlighting solutions available for supporting and enhancing your AWP systems.

### Breakout Track Themes

*(4 sessions to choose from in each track – 20 in total! Send a team to take it all in!)*

1. Industry Associations and Research Initiatives (feat. CII and COAA topics)
2. Front-End Planning and Other AWP Topics
3. WorkFace Planning and Other AWP Topics
4. Technology Initiatives (connectivity, quality, integration, integrity, architecture)
5. Special topics

**Click here for  
breakout details!**

Breakout Sessions and Tracks Calendar					
Day 1 (Oct 26) All times CDT	Industry Associations and Research Initiatives	Front-End Planning and Other AWP Topics	WorkFace Planning and Other AWP Topics	Technology Initiatives	Special Topics
11:00 - 12:00	CII: Scaffolding & Access	O3 Solutions: Choose Your Own AWP Adventure	Element Industrial: A Paradigm Shift in Data Management for WFP	Autodesk: Your Technology Platform for Delivering Industrial Projects	JGC Corporation: Concept and Implementation of EWP
13:00 - 14:00	CII: AWP Data Requirements Update Presentation	AWP University	Construct-X	Insight-AWP: Data Requirements	BrandSafway: Access for AWP Projects
Day 2 (Oct 27) All times CDT	Industry Associations and Research Initiatives	Front-End Planning and Other AWP Topics	WorkFace Planning and Other AWP Topics	Technology Initiatives	Special Topics
11:00 - 12:00	CII: Contract Strategy	Teknobuilt	Intelliwave Technologies: Integrated Materials Management – Engineering to Procurement to Construction	iConstruct: Create Business Value with 3D AWP Dashboard Reports in Genus Connect & Power BI	Fluor: LNG Canada Project
13:00 - 14:00	COAA: Path of Construction	AVEVA	Trillium Advisory Group: AWP - Making the Leap from Theory to Reality	Digital Construction Works: CDE for AWP	Eyrus

## 2021 Executive Steering Committee and Advisory Board

The conference program is guided by an Owner-EPC Executive Steering Committee and developed in collaboration with an industry Advisory Board of representatives from top owner, engineering, construction, technology, and consulting firms. Steering committee and advisory board members are volunteers.

### Executive Steering Committee:



### Advisory Board:



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