AWP: Converting from Process to Action

The challenges and requirements that owners and EPCs may face in setting up the processes necessary for an AWP system, and how technologies can assist.
Chief Engineer, Power/Oil & Gas, Black & Veatch

Brian has an extensive career in various aspects of Engineering. As Chief Engineer, he is accountable for:

- Engineering processes across the company’s global Power and Oil & Gas businesses
- Engineering interfaces with other Energy processes within the company
- Incorporating continuous improvement and lessons learned for engineering processes with other B&V business lines including Water and Telecommunications
- Resolution of project engineering issues and Engineering Risk Management for proposals and projects within the Power and Oil & Gas businesses

Black & Veatch is a Global EPC company with 12,000 professionals and experience in more than 100 countries. The company’s business lines include Power, Oil & Gas, Water, Telecommunications, Federal Services, and Management Consulting.
Eric Crivella

Plant Construction Executive, ISD, Bentley Systems

• Deep experience and expertise in 4D/5D, BIM, AWP/WFP and construction automation technologies

• Responsible for global sales of Bentley’s Construction Solutions and a Team of AWP and Construction Automation SMEs

• AWP Ambassador / Co-chair of the CII AWP Community of Practice

• Passionate about construction productivity improvement, integrated AWP, training/education, delivering desired outcomes

• Success in AWP is 10% Technology / 90% Sociology → programmatic approach
Zuhair Haddad

Chairman, CCT International

CIO, Corporate Assets and Risk, Consolidated Contractors Co

Zuhair Haddad is Chairman of CCT International and CIO Corporate Assets & Risk at CCC. CCT International is a software provider specialized in 3D Construction Management and Control solutions. CCC is a multinational contractor ranked 22nd world-wide by ENRI and with annual turn over of $6B.

• Zuhair is in charge of mapping out and implementing the Project Control IT and Communication strategy for CCC’s well as directly overseeing CCC’s Information Systems, Corporate Risk, Communication and E-procurement Departments. He also leads the Plants Machinery and Vehicles (PMV) Department which manages CCC’s extensive fleet of construction equipment.

• Zuhair and two other inventors were granted a US Patent for their invention entitled: “System and method for hybrid solid and surface modeling for computer-aided design environments”. The method is now part of CCT’s award winning software C3D®.
Michael Buss

SVP Global Business Development, Intergraph


Intergraph Corporation is a software development and services company. It provides enterprise engineering and geospatially powered software to businesses, governments, and organizations around the world. Intergraph operates through three divisions: Intergraph Process, Power & Marine (PP&M), Hexagon Safety & Infrastructure, and Hexagon Geospatial.
Ariel Santiago

Solution Engineering Manager, Atlas RFID Solutions

Ariel works with account managers and operations personnel to realize the maximum benefit of each Jovix deployment. He bridges the gap between sales and field operations, ensuring a seamless transition into each stage of the implementation process. He is an expert in the Jovix Material Readiness™ solution, and has been involved with dozens of Jovix project assessments and implementations around the world.

Jovix is an award-winning Material Readiness application developed by Atlas RFID Solutions specifically for the industrial asset market. Jovix has been deployed on over 250 project sites worldwide.
Jordan Williams

Chief Technology Officer, Intelliwave Technologies

Jordan is a systems architect and serial technology entrepreneur:

- Expert in data science, Web and mobile technologies
- Involved in solution design, analysis, and deployments for many construction projects
- Co-founded Intelliwave Technologies in 2007 with Dale Beard

Intelliwave’s SiteSense® construction software set provides modern solutions for Site Materials Management, Equipment Management and Workforce Tracking. SiteSense® software utilizes Cloud, Web, Mobile, RFID, barcode and GPS technologies to provide accurate, real-time availability for construction resources to keep project schedules on-track and on-budget.
Implementation (20 mins)

**Part 1)** Describe a critical key trend, innovation; implementation insight; or lesson learned related to AWP Implementation and explain why they are critical to improve or drive AWP benefits realization.

**Part 2)** Discuss the ways that track-and-trace technologies can support AWP activities in implementation.
Scalability (20 mins)

Part 1) Describe the impact scalability (project size, type and location) has on AWP. Provide one item and example each related to scalability.

Part 2) How does track-and-trace vary on projects of varying size / scope, and what are some of the costs and benefits in different scenarios?
Question and Answer

Questions from the audience?