Enabling AWP Scalability

Lessons Learned from the Field

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The benefits of AWP have been documented through a number of sources:

- CII Research
- COAA Presentations / Awards
- Fiatech Presentations / Awards
- Early Projects Adopting AWP
- Vendor Case Studies / Awards
Knowing the pitfalls can help you avoid them.
Pitfalls to Avoid in Advanced Work Packaging on Your Projects
Difficulty in finding experienced Workface Planning Personnel
Lack of adequate training & coaching for newly appointed Workface Planners
Appointment of Workface Planners without requisite field experience
Lack of adequate involvement from EPCM & O-O in the WFP process
Lack of adequate staffing for support of AWP automation systems
Contractual specifications for AWP are overly broad and not specific as to requirements
Processes from support groups (project controls, engineering, etc …) are not aligned to support WFP effort
Level 3 construction schedule is not organized by CWPs
Dogmatic application of AWP principles (as opposed to making it work for your organization)
Lack of effective engagement with GF in building work
Work packages are overloaded with QA/QC
Not enough effort on constraint identification & removal
IWP's become static –
Work packages not being updated as initial plans change
Building CPM schedule of IWP
Not updating schedule man-hr estimates when reality of IWP development shows schedule is ‘off’
Inability to get data from external stake-holders
Lack of well-defined CWPs / EWPs in engineering data
Model objects / attributes not able to support automation of work steps for IWPs
Contractors lack mature systems for managing materials & tracking progress
Data loaded into Progressing & Materials systems does not match data in WFP tool
Systems not identified on drawings / model components early enough
Late start means AWP Automation systems were not bench tested prior to field deployment.
What are your experiences to learn from?