

AWP (Advanced Work Packaging) What is it?

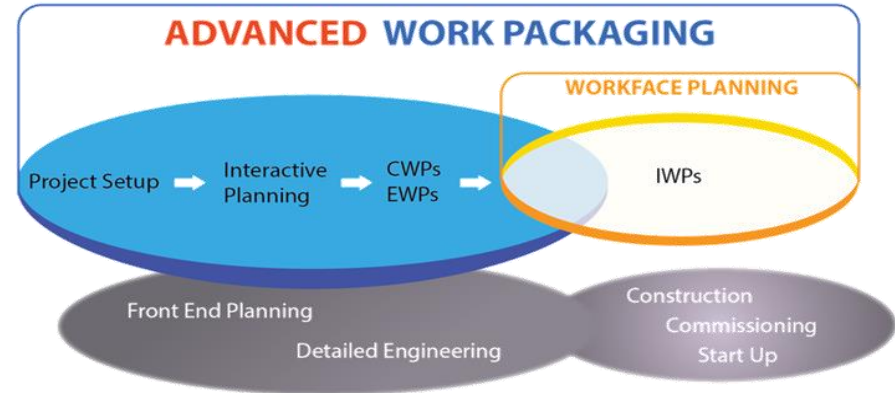
By Stuart Block
AWP Manager Fluor UK



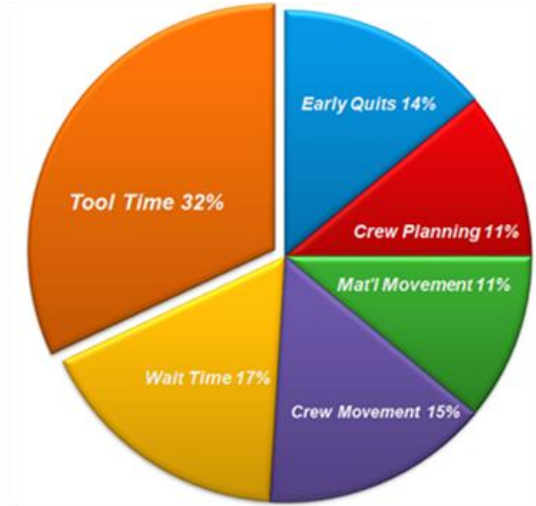
AWP is all about improving project productivity

As well as better productivity it also brings greater predictability, increased safety and lower project costs

- Construction-driven process
- Supports the path of construction
- Align the different elements of a project for improvement
- Provide a disciplined and rigorous process for detailed construction planning
- Ensures work is executed in a safe, organized, sustained, and effective manner
- Assure Construction as its customer allowing the field to receive drawings & material in correct sequence thus allow for a more efficient build, commission and start-up/handover



Benefits of WFP



Non AWP / WFP Projects

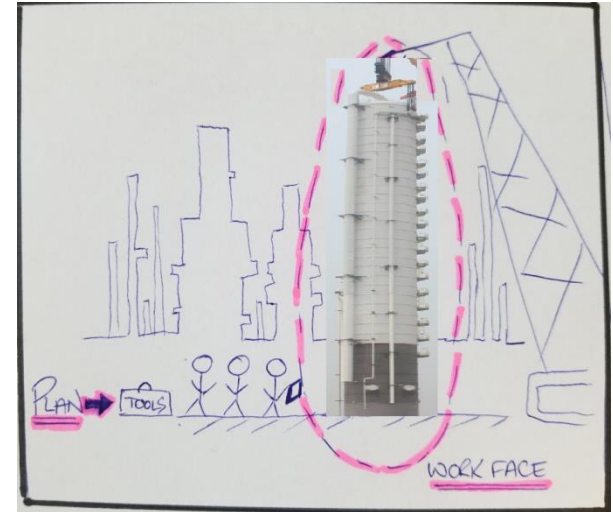
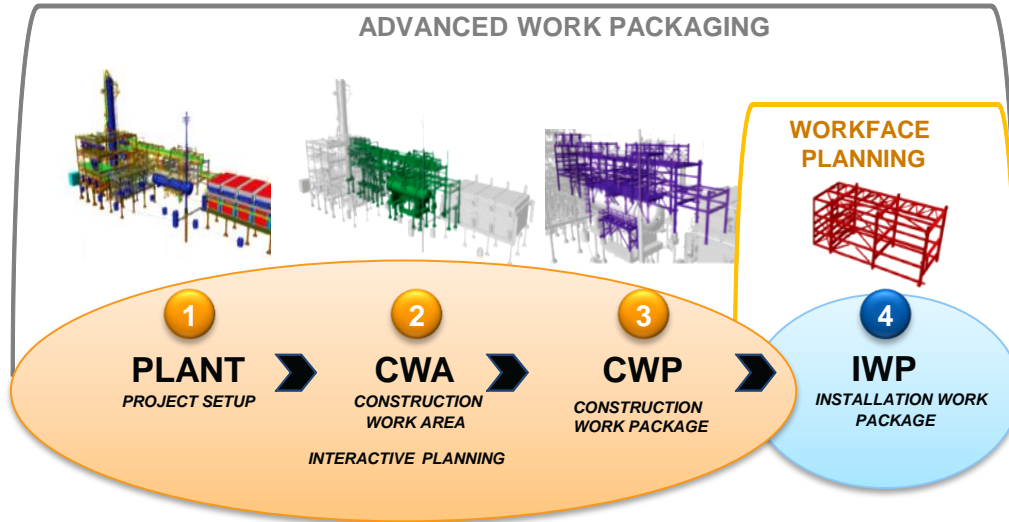


AWP / WFP Projects

**Potentially 10% more tool time is nearly 25% improvement in productivity
Labor is typically 40% of TIC = AWP Provides Up to 10% Reduction in TIC**

The key for AWP is the project hierarchy

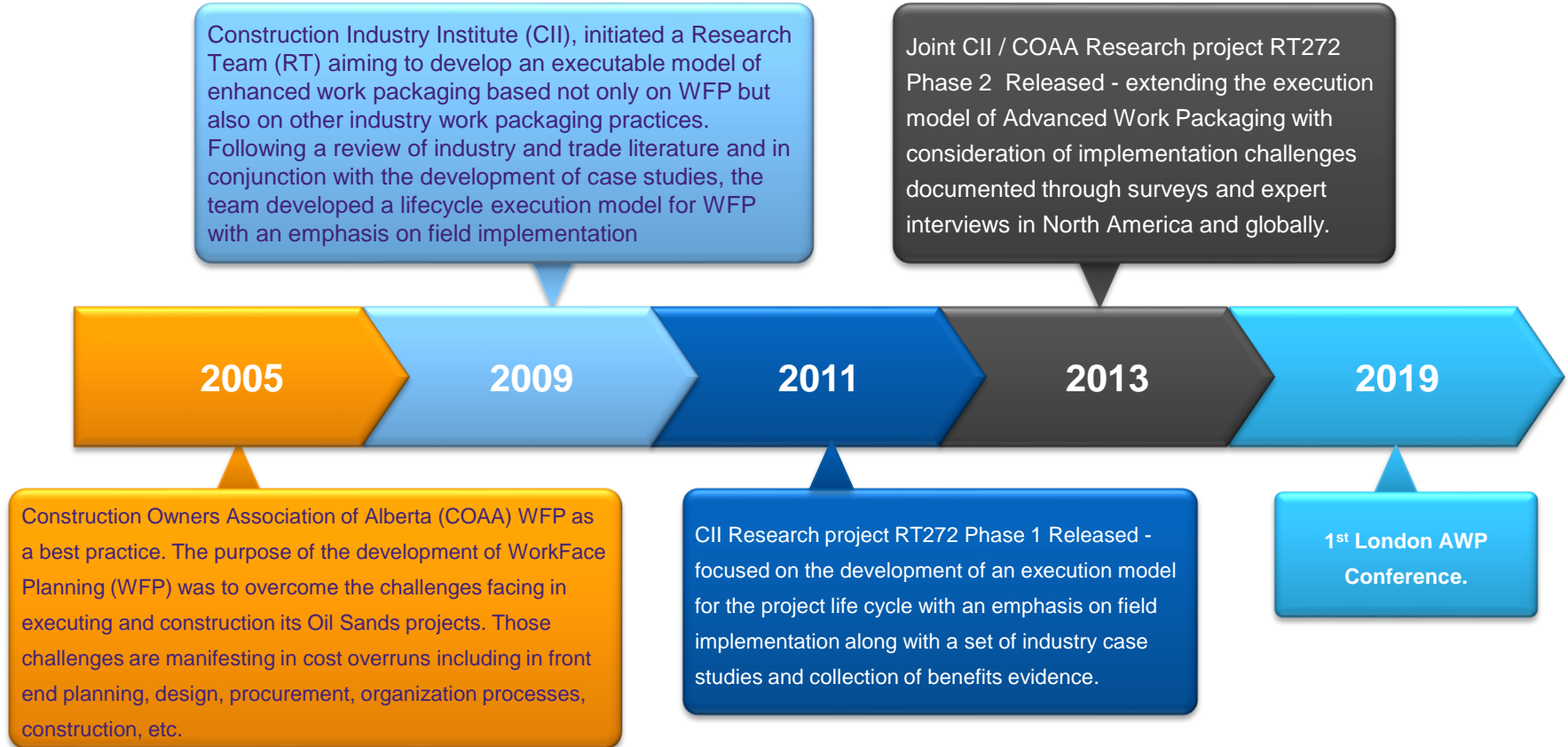
Whilst this is an oil & gas example, this can refer to any type of project.



At Fluor, AWP is core methodology for all types of projects, we achieve this through collaborative working, reinforced with continuous training and coach of all our teams and clients.

An organised approach of breaking the project down in to manageable pieces.

Journey / Path of AWP



What is WFP and the idea behind it !



WorkFace Planning (WFP) is the process of organizing and delivering all elements necessary before work is started, to enable craft persons to perform quality work in a safe, effective and efficient manner. (COAA, CII)

Costs of AWP

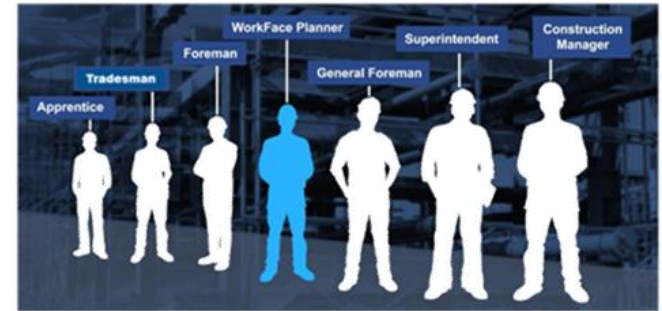
Typically a Project must dedicate 1-2% of project costs to increase planning by having:-



Cross-functional Engagement



Training / Development



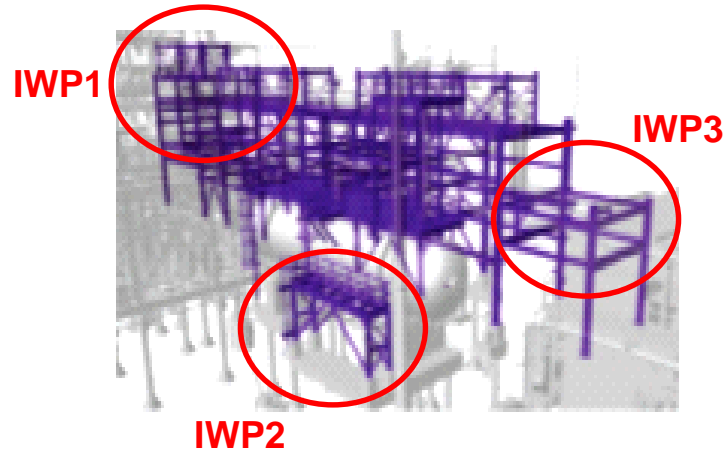
Dedicated Construction Personnel

Covid-19 – Benefits of IWP's

An unforeseen benefits of using IWP's have been experienced with Covid 19 and one of our major O&G project in Central .

Planning of IWP's ensure safe distances are being maintained between workers by:-

- a) Restricting the size of the crews with the tasks being performed
- b) Ensuring adequate distances are being maintained between workfaces.
- c) IWP basis is that all materials / tools & equipment are at the workface prior to any work commencing (reduce unnecessary travel)



Next Steps

To gain further knowledge about AWP / WFP, there are plenty of sources on the internet, here are a couple I recommend:-

- LinkedIn group - [Advanced Work Packaging Community of Practice](#)
- Youtube videos - (“A beginner’s guide to Advance Work Packaging” – Pull Man)
- Industry Webinars – ASI group / LinkedIn / Youtube



building a better world together

www.eci-online.org