

> Advanced Work Packaging (AWP) with MODS Connect <

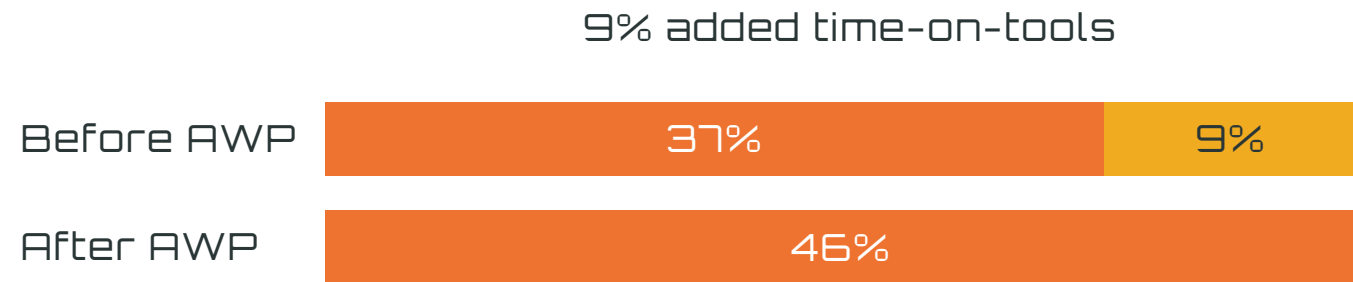
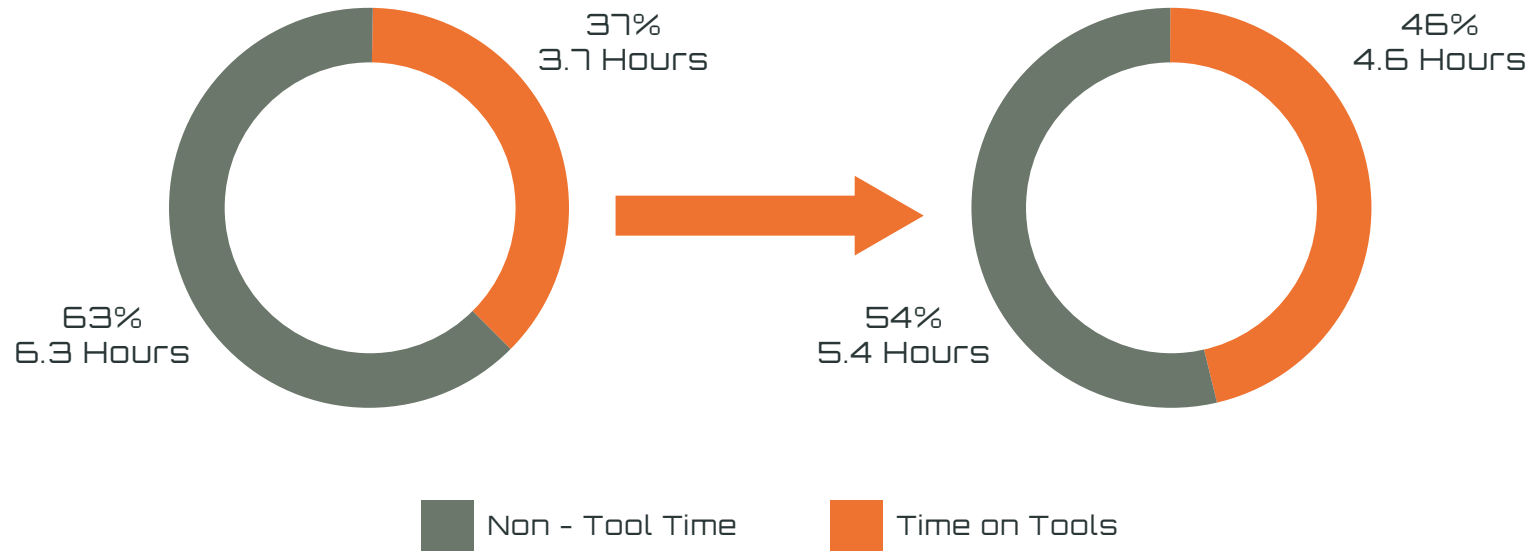


> Constraint-free construction execution with MODS Connect empowers organizations to implement AWP on projects of any size, enabling seamless coordination, optimizing resource allocation and promoting data-driven decision-making throughout the project lifecycle <

> MODS AWP Use Case



> AWP Return on Investment with MODS Connect

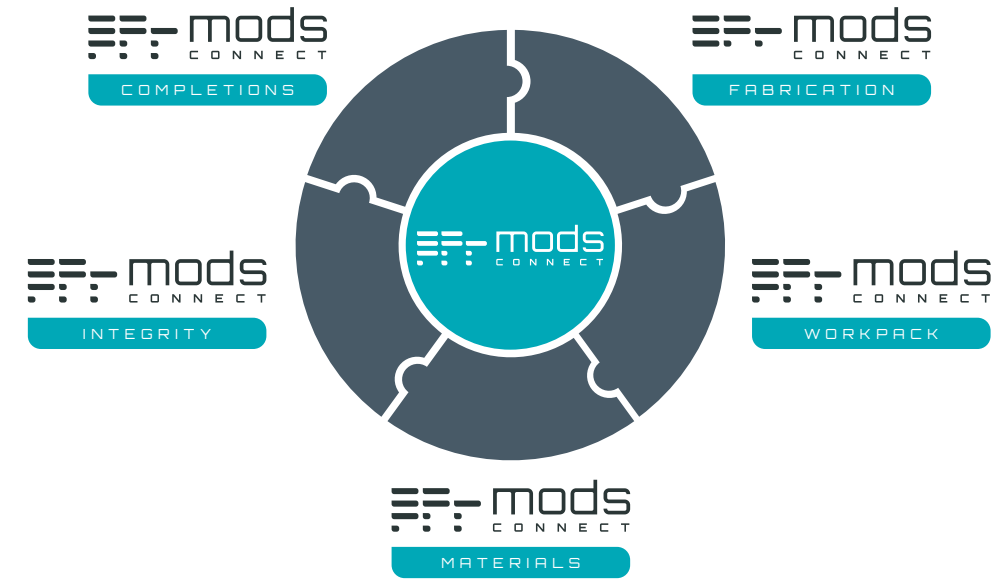


- > Reduce Construction Cost
- > Reduce Project Duration
- > Reduce Resources/Manhours
- > Reduce Admin/Financial Cost

↑ 22% Increase in Productivity
 ↓ 10% Reduction in TIC

Implementing AWP with MODS Connect enables constraint-free construction execution for reduced waste and improved ROI toward optimal project outcomes.

> Use MODS Connect for constraint-free AWP implementation on all projects, including brownfield.



> Fabrication

Intelligently track components throughout the upstream fabrication process to provide transparency, traceability and reliable supply-chain control.

> WorkPack

Go paperless with digital work packs for more intelligent, transparent and accountable project execution.

> Materials

Intelligent inventory control of materials, equipment and components to ensure delivery on time, in sequence and to the correct location.

> Integrity

Facilitate a controlled, staged transfer of responsibility back to the owner-operator via an intelligent centralized database.

> Completions

Facilitate a controlled, staged transfer of responsibility back to the owner-operator via an intelligent centralized database.

> Preparing for AWP: Decomposition and data management with MODS Connect

Preparation for AWP starts with breaking down projects into manageable levels. The further down the chain of decomposition that a project progresses, the data volume increases exponentially.

The next step is to focus on input constraints, which need to be controlled before starting any workflows.

MODS Connect quality assures your data and manages constraints for fabrication, work packs, materials, integrity and completions workflows.

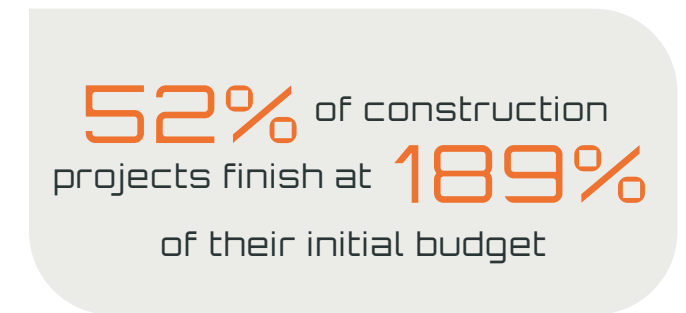
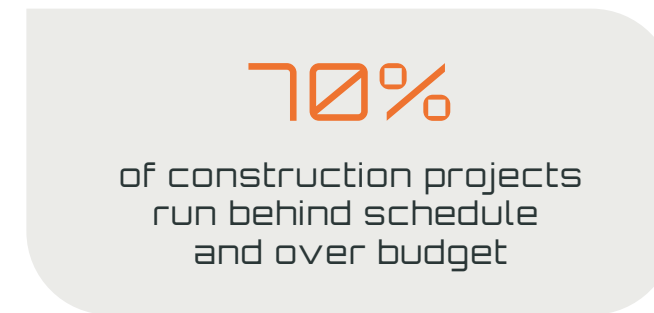


> The MODS Connect master Tag and document register

MODS Connect links tags to:

- > Plant system breakdown structure, which would be, for example, a process or utility.
- > Construction area breakdown structure.
- > Work breakdown structure (i.e. work packages).
- > Schedule of works, crafted from a "finish to start" standpoint.

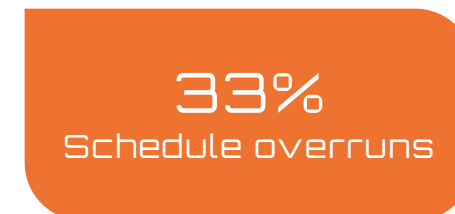
> Efficiency problems in project execution



Engineering, procurement and engineering misalignment has contributed to only 37% average "time-on-tool" per shift.

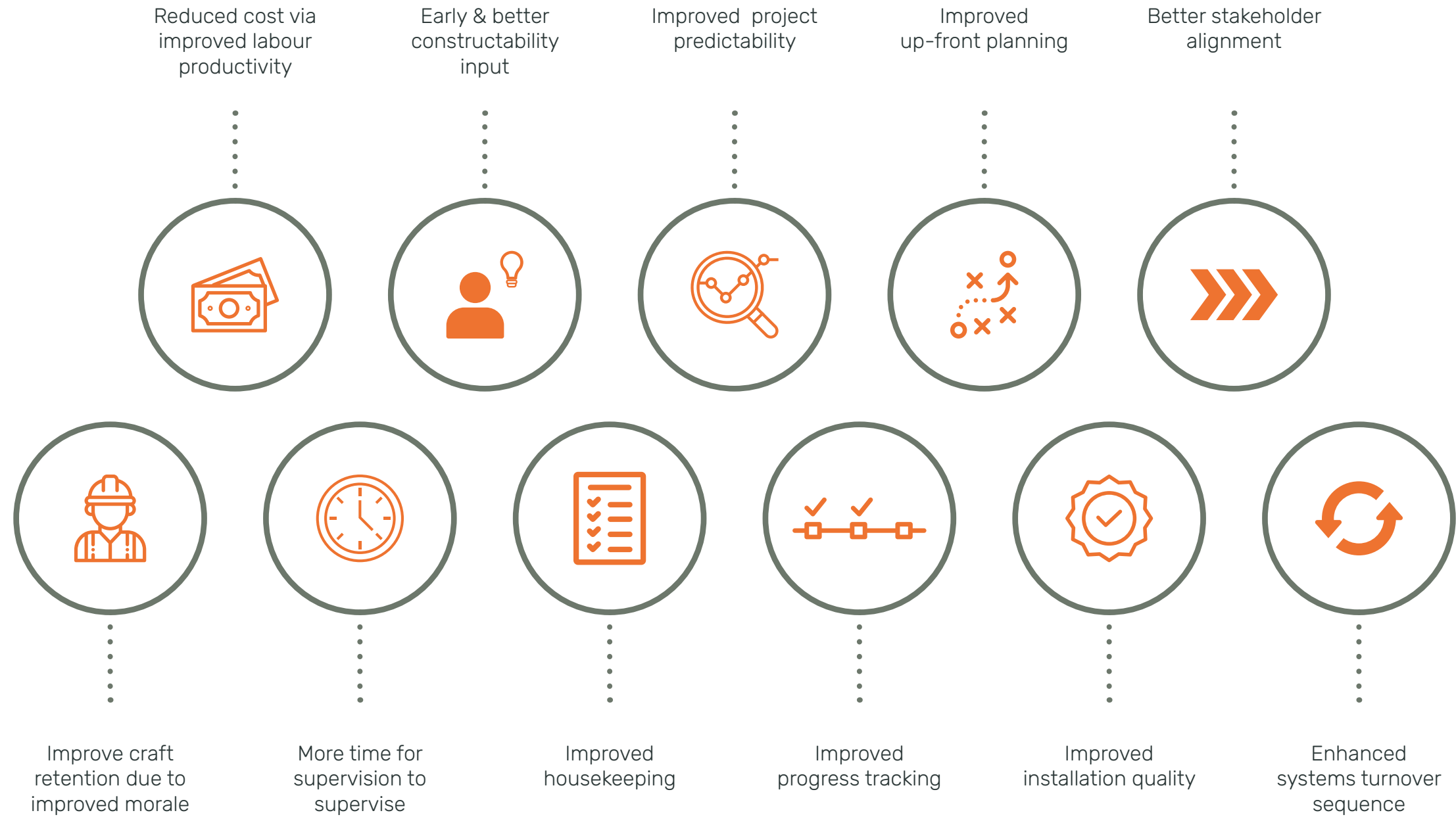
Source: [CII Advanced Work Packaging](#)

> AWP with MODS Connect saves:



Even projects with low maturity of AWP implementation garner significant benefits.

At the same time, benefits increase as AWP implementation matures.



> With MODS Connect, no project is too small for AWP

Align engineering, procurement and construction on all projects – including brownfield – for constraint-free construction execution that optimizes resource allocation and promotes data-driven decision-making for increased efficiency and return on investment.

- > MODS Connect standardizes project execution with AWP
- > Brownfield projects are even more well suited for AWP with MODS Connect



> MODS deliver AWP expertise through our digital consultancy

Led by our VP of Enterprise Architecture, Mikitaka Hayashi, CFIHOS Editor and CII Board member.

- > MODS are on the cutting edge of AWP implementation. In partnership with JGC, we won the 2022 AWP Large Project Award.
- > Our paper on digitally transforming EPC brownfield project execution with AWP, written in partnership with Petrofac, was presented at ADIPEC 2023.
- > We continue to work alongside JGC, Petrofac, GIS and other global partners implementing AWP in intelligent industrial projects worldwide.
- > Actively involved with CFIHOS, DAMA and CII, MODS are well positioned to deliver expertise in data management and data standardization.