



Operational Excellence Services

Smart O&M Solutions MODS Connect Smart Turnaround Management



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MODS Connect-Smart Turnaround Management

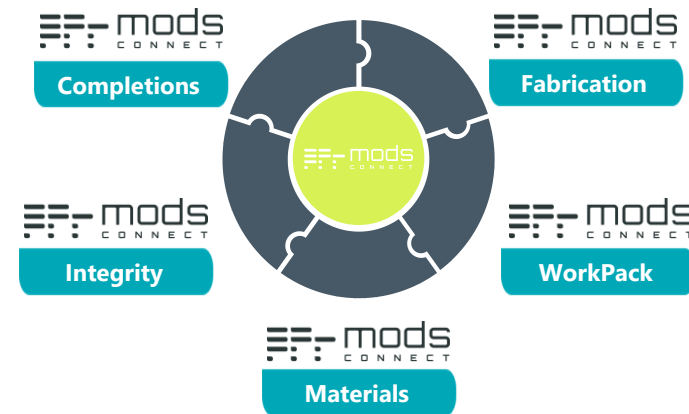
Do you have any of these issues?

- Desire efficient information sharing and status update with digital tools during turnaround
- Struggling with transitioning to paperless work management
- Need to optimize the turnaround plan effectively

Concept of MODS Connect for Turnaround

- A cloud-based solution that digitalizes, visualizes and automates Turnaround Project workflows, MODS Connect simplifies processes, improves safety, optimizes cost and time efficiencies.
- It enables remote collaboration and information sharing to help users make best decisions every day from turnaround planning to execution.

As flexible as comprehensive MODS Connect ecosystem includes 5 intelligent modules that connect in any combination.



> Completions

Facilitate a controlled, staged transfer of responsibility under each discipline via an intelligent centralized database.

> Integrity

Provide the digital intelligence to ensure leak-free startup, process safety and major hazard avoidance.

> Materials

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

> Fabrication

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

> WorkPack

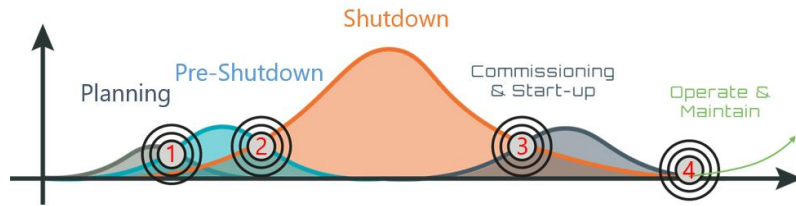
Go paperless with digital work packs for more intelligent, transparent and accountable project execution

MODS Connect-Smart Turnaround Management

Return to
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Seamless Turnaround Management

MODS Connect achieves seamless interface management during turnaround activities



> 1.Planning to Pre-Shutdown

Manage the pre-shutdown work by assessing risks, scheduling tasks, and preparing resources based on the accumulate past experiences and knowledge in the database.

> 2.Pre-Shutdown to Shutdown

Assign successors and predecessors to define the path of shutdown work, identify execution requirements to allow constraint management

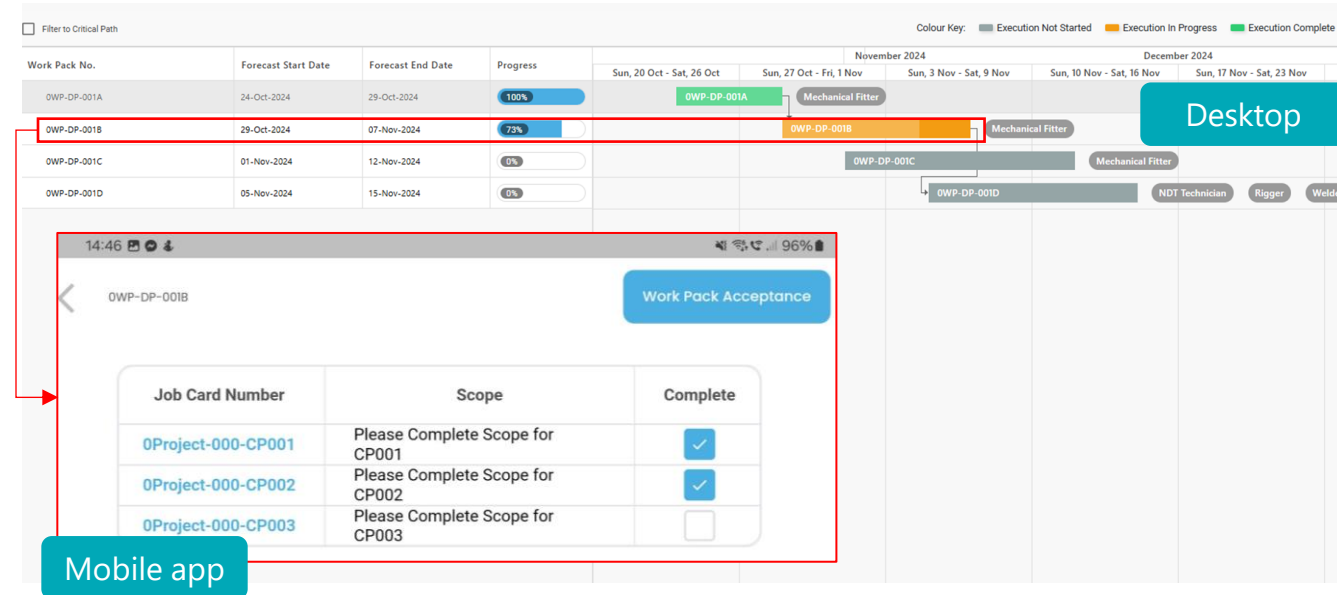
> 3.Shutdown to Start-up

Monitor shutdown work progress utilizing mobile devices, complete installation and quality records on mobile technology to provide real time tracking.

Visualize shutdown to commissioning handover.

> 4.Handover

Provide Realtime handover acceptance for operational hand over and stable operations



Gantt chart monitoring and managing of activities on desktop and mobile app

Client's Benefits

- Reduces costs, for example, by reducing time spent searching for data by ~50%.
- Improves safety through transparent, streamlined workflows to minimize risk and increase the awareness of teams.
- Streamlines complex processes and maximizes resource utilization and efficiency.