



Operational Excellence Services

Smart O&M Solution
MODS REALITY
Digital Twin for Maintenance



Contact Us

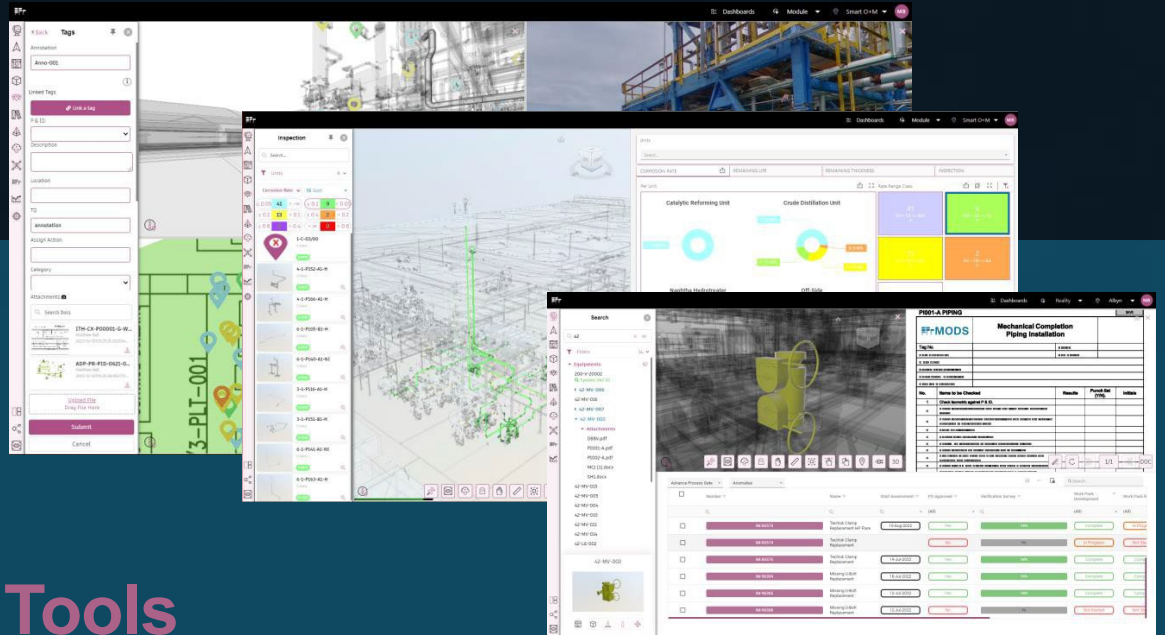
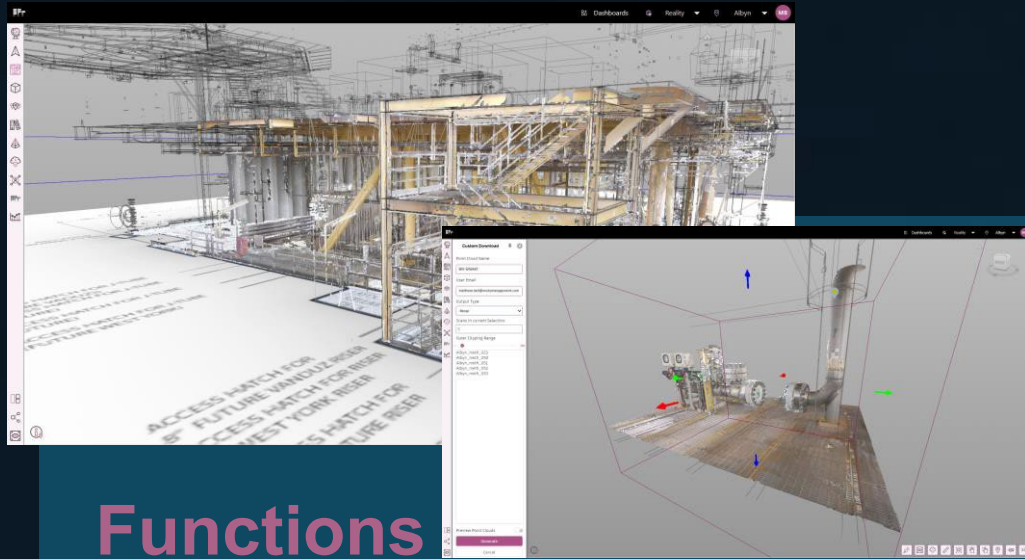
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Access to Our Homepage

<https://www.jgc.com/en/business/epc/operation-maintanance/service/>

Access to MODS Reality

[Asset Visualization Software](#) | [MODS Reality](#) | [MODS](#)



Functions

- 3D twin of your Plant and Data (Design & As Built)
- Live Project Construction Visualization
- 4D Scaffold management tools
- Permit linking and tracking in 4D
- Compare As-Built vs Design
- Auto mapping of Lidar and 360's in GPS
- Mobile device with 3D Model and 360 for capturing data on site
- Integrate Existing maintenance packages such as SAP and Maximo
- 3D Dashboard insights
- View Inspection status in 2D, 3D and 360 images
- Point Cloud Management of Change

Tools

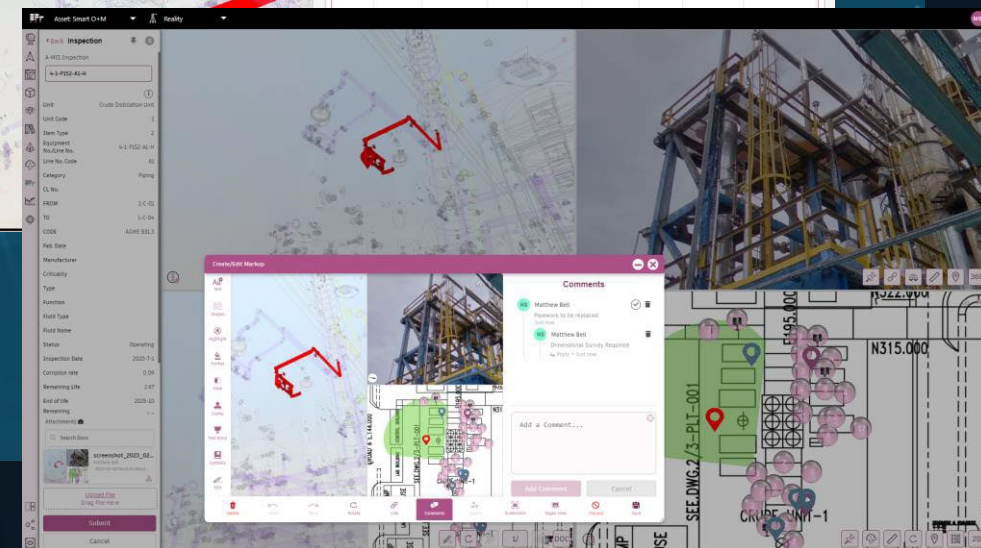
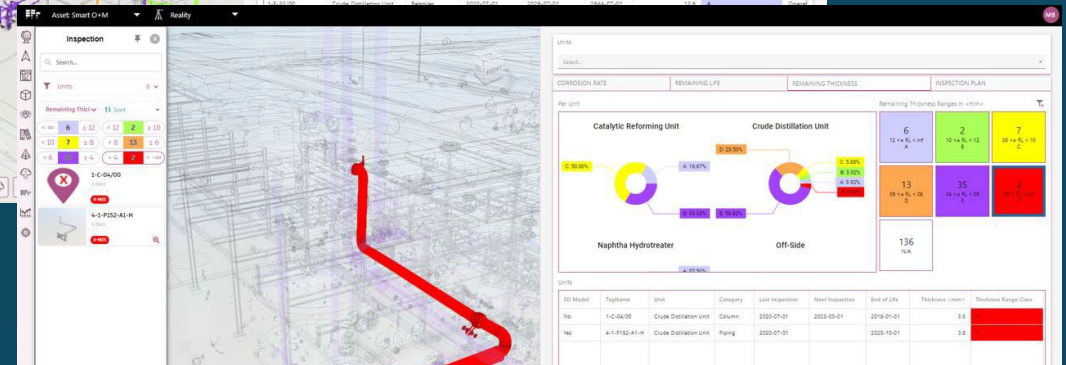
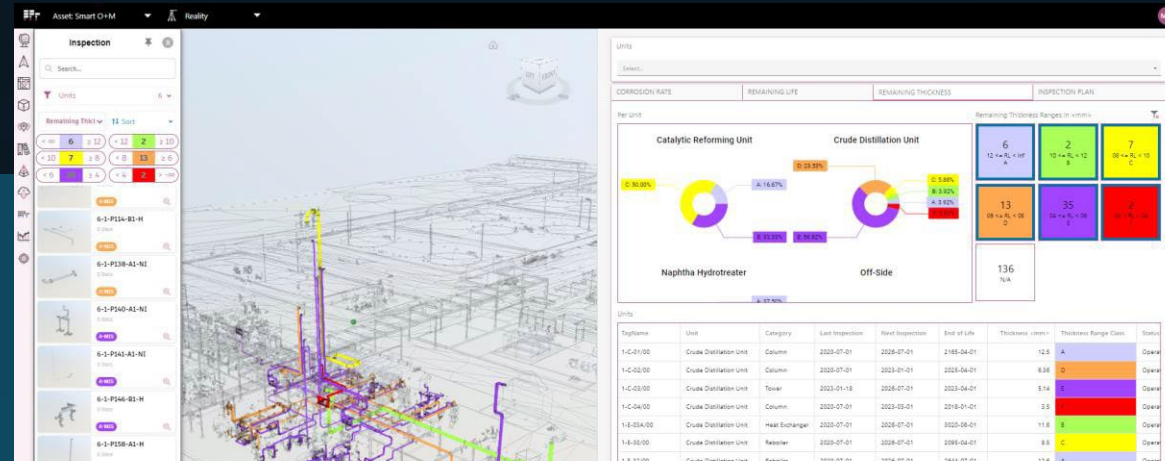
- Intuitive Interface with customisable layout
- Bookmark 3D navigation
- 3D Model, Point Cloud and 360 overlay with compare slider and transparency fader
- Document viewer and mark up tool
- User Display settings which include visibility range of tags
- Share screen view with organisation
- Screenshot and Mark-Up tool
- Create a variety of Tag types, from Equipment and inspection to Scaffold and Permit
- Extensive Editing and Measuring Tools
- Intelligent Drawing tags
- Create 3D objects for Scaffold, Permits and Containers
- Live Review for mobile and web collaboration
- Link to Connect Activity Manager
- Notification's system
- Project Model Overlay
- Integrate Connect Construction
- Mobile Connectivity
- Tag Harvester
- Bespoke Inspection filters

Reality 4DVi

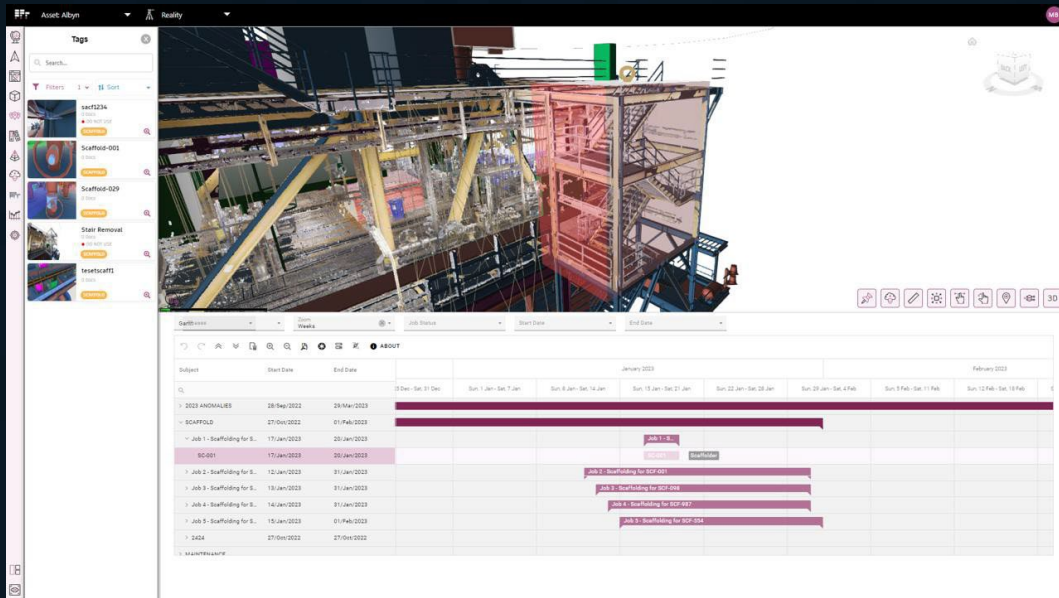
Visual Inspection Module

Visualize the integrity of your Asset

- 3D twin of your Plant and Data (Design & As Built)
- Excel Import to quickly digitize your asset
- View Inspection status in 2D, 3D and 360 images
- Filter the status by Corrosion Rate, Thickness and Remaining Life & Planned Inspection
- Automated Tag Harvester and inspection tag creation
- 3D Dashboard insights



Use Case Examples



Scaffolding Management

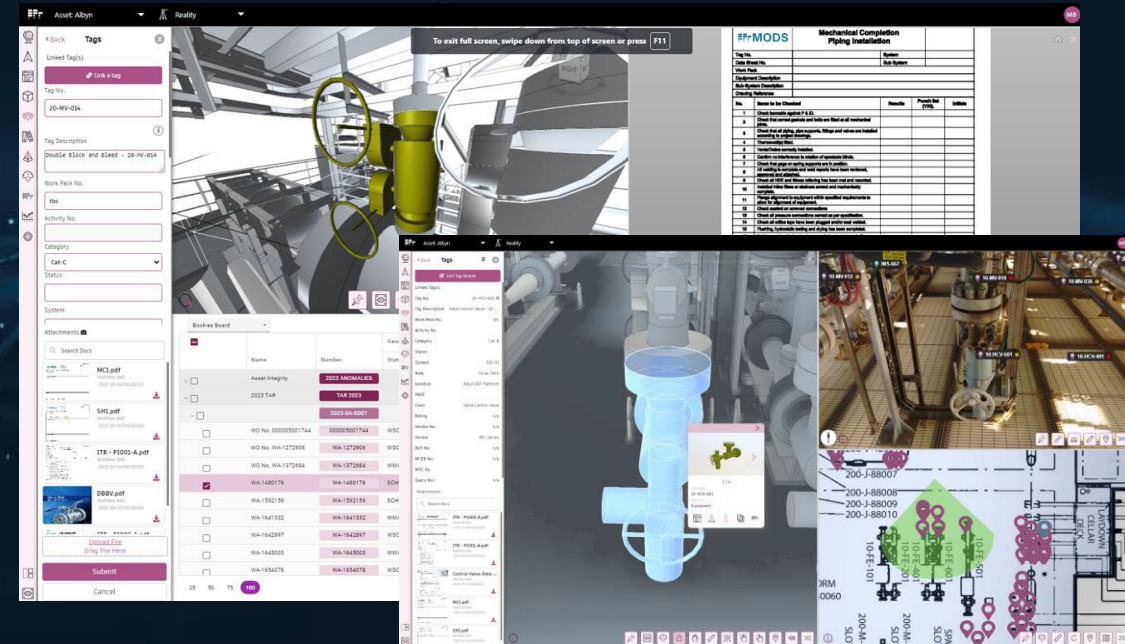
Build, Visualize and plan your Scaffolding in 4D

- Build 3D tagged shapes for scaffold volumes
- Link to an activity to better manage existing and project related scaffolding
- Quickly understand Scaffold status by colour, In use or harness required
- Identify Scaffold owners by vendor, easily
- QR code updating of status in the field
- Create Material matrix for 3D volumes

Tagging, Data & documentation

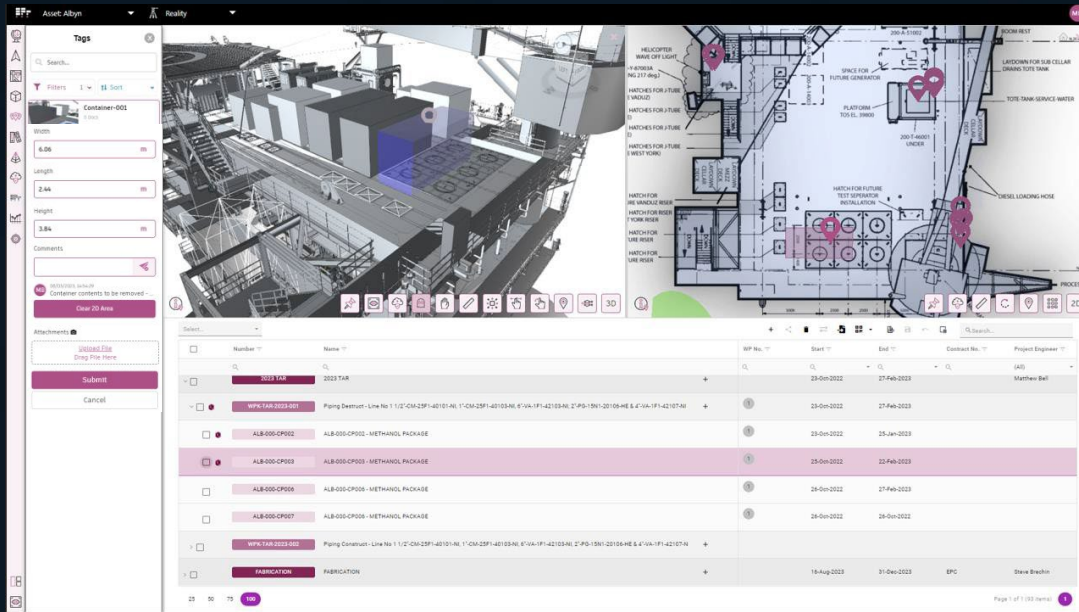
Tags and attributes for the item/equipment that can be correlated to documents Drawings and Data

- Create tags under different categories – Equipment, Inspection, General, Containers, Permits and Scaffold
- Attach searchable documents & engineering drawings to tagged items, create intelligent links for P & ID's, Work scopes, also mark-up drawings & Screenshots
- Review Drawings and documents
- Show all tagged items in 2D plan, 3D and 360 images



Build, Visualize and plan your lifting operations in 4D

- Build 3D tagged shapes for container volumes
- Link to an activity to better manage timelines for container movements
- Identify containers location and vendor identity easily
- Add comments to items with our date stamped chat feature
- Identify container locations in 2D as well as 3D

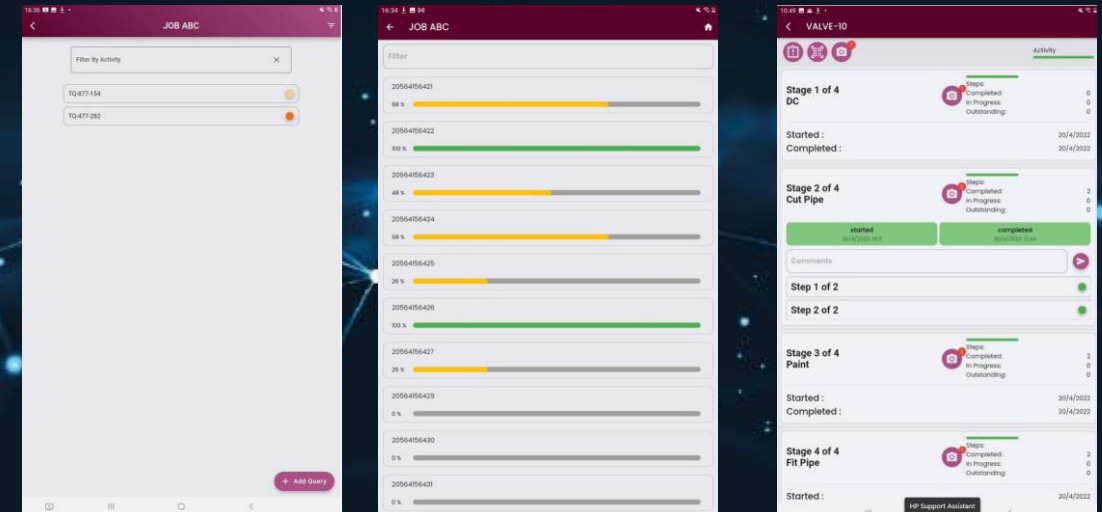


Paperless approvals

Our digital Mobile connectivity suits a variety of use cases so you can track progress, manage queries and sign-off in real-time, streamlining workflows for

- fabrication,
- operations
- maintenance

and more



: Customisable mobile connectivity to track, Query and sign-Off Digitally