CAD Schroer

ADD-ON

M4PDS
REVIEW

3D Review Tool

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MPDS4 REVIEW™
The External 3D Visualisation Tool for Model and Plant Review

MPDS4 REVIEW is a standalone application, which provides an easy way to share models and communicate with customers and suppliers who do not have MPDS4 installed. It allows users to easily interact with your MPDS4 or MEDUSA4 3D models, conducting plant and scenery walk-throughs, inspecting designs in detail, and providing feedback. Plant models are delivered by MPDS4 in a very compact format for fast viewing, and can be e-mailed to clients for daily design reviews, or taken on-site by Project Managers.

Exporting the 3D Data
As an MPDS4 user, you have full control over the 3D data you export for third party review. You can add transparency to components or machinery, for example, to give clients an improved overview of the installation. You can also choose to select and only export those parts of a larger layout which you are currently working on. You can include model attributes, to be displayed as users query the model. The single file produced on export strips the model of unnecessary data in order to limit file size, allowing you to e-mail it to customers, or load it on a USB stick for project managers to take on-site for interactive project review meetings.

Portable Licensing
MPDS4 REVIEW provides exceptional flexibility in its licensing concept, allowing others to borrow a license by checking it out for a designated time period for independent use (temporary connection to your license server is required for check-out). This means that you can use the same license at different times on or off site without incurring extra costs, providing it to colleagues, project managers or customers.

Use MPDS4 to easily export complete plants or factories for users of MPDS4 REVIEW

Standalone 3D Review
The MPDS4 REVIEW tool is a completely separate 3D visualisation tool, meaning users do not have to have MPDS4 installed on their machine. This makes the tool ideal for internal as well as external stakeholders. It's an ideal pre-sales tool, an interactive conceptual design review tool, and a tool for checking the accuracy of work in progress against customer requirements, as these develop and change over time.

Interactive Visualisation
MPDS4 REVIEW provides buttons for full screen, front, back and isometric views, and there are additional controls for viewing angles and front and top view axes, model rendering, shadows and background colours.

Different views can be named and stored with the file, making it easy to point collaborators or customers to specific areas within a design.

The separate MPDS4 REVIEW tool provides an easy way to view MPDS4 project data and send feedback

Conducting Model Walk-Throughs
With MPDS4 REVIEW, users can conduct free-form walk-throughs directly in a plant or installation layout, using the camera walk-through tools provided. Alternatively, they can use their mouse to navigate the design. Viewing angles, direction and eye height can all be adjusted as required.

Annotations and Measuring
Walk-through reviews can quickly expose issues with a design, helping to avoid costly rework during construction. Users can even measure distances between (or size of) components and save these details with the file. Feedback can be provided by means of text call-out annotations, which are placed directly on the model, and can be moved and edited as required. Users can then save the annotated file and send it back to the design team.

Component and Structure Information
Additional attribute information, such as its description, its ID or the group it belongs to, can be displayed in an information window as MPDS4 REVIEW users select each component. A structure tree displays the overall structure of the geometry by engineering discipline, system and subsystem.

High Resolution Image Export
MPDS4 REVIEW also provides a tool for exporting high resolution image files (BMP, GIF, JPG, PNG, TIF) from any selected view. These can be used in presentation or marketing materials, for example.

File Types Supported
Files supported by the tool include MEDUSA4/MPDS4 model files (*.mod), HOOPS Stream Format (*.hsf) files, and HOOPS Meta Format (*.hmf) files.

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