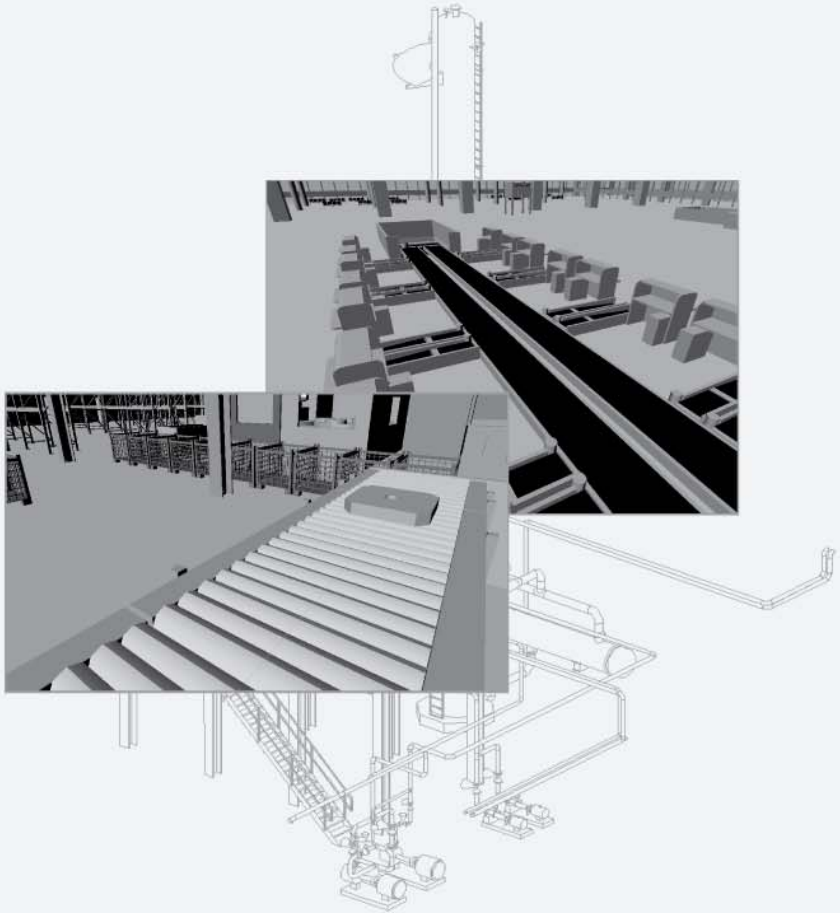
MPDS4

MECHANICAL HANDLING

Materials Handling Systems Design



ADD-ON

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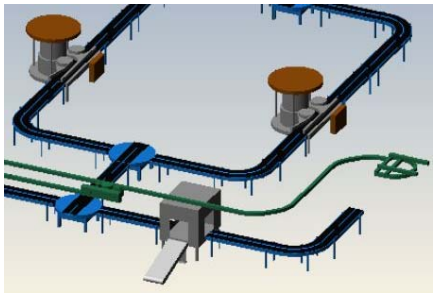
MPDS4 MECHANICAL HANDLING™

The Professional Materials Handling Systems Design Solution

MPDS4 MECHANICAL HANDLING is an add-on module for creating complete materials handling systems. It supports an intelligent, catalog-based design process for quickly and easily connecting conveying and handling components. The module offers a large number of extensible libraries of catalog components to a variety of industrial standards.

Creating and Editing Components

MPDS4 MECHANICAL HANDLING offers powerful tools for loading, positioning and replacing mechanical handling components, manually or automatically.

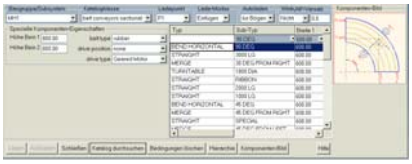


MPDS4 MECHANICAL HANDLING allows you to intelligently create and connect entire materials handling systems

Catalog-Based Design

The 3D catalog component libraries provided with MPDS4 MECHANICAL HANDLING help you cut down on errors, allowing you to quickly and consistently design complete handling systems based on company-specific standards.

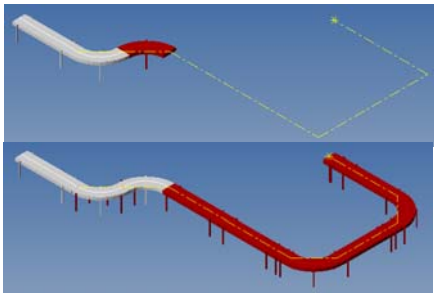
The libraries included contain many different types of belt and overhead conveyors, fork lift trucks, robots, steel and mesh containers, gantry and radial cranes, pallet racking frames and beams, to name but a few. They are user extensible and customisable, with a central database ensuring consistent delivery of up-to-date catalog data to your design teams.



Easily select items from an extensive library of conveyors and other materials handling components

Manual or Automatic Creation of Materials Handling Systems

MPDS4 MECHANICAL HANDLING allows you to manually or automatically create your handling systems. You can select and connect single components, or use a pre-defined path to auto load equipment. The system can automatically deduce the number and required length of individual conveyor belts, for example, and auto load them along the path.



Define the routing for connected equipment, then use the auto load option to automatically load a whole series of connected components

Cranes, Fork Lift Trucks and Robots

MPDS4 MECHANICAL HANDLING provides component libraries for easily creating and animating gantry or radial cranes, fork lift trucks, or robots. These catalogs can be extended to suit individual requirements. You can use the optional MPDS4 3D COMPONENT DESIGNER to create your own custom parametric catalog components, for example.

From 2D to 3D

Designers with the optional MPDS4 FACTORY LAYOUT module can switch to work in 2D at any time, using automatically produced 2D views of selected 3D catalog components.

It's quick and easy to create and animate cranes, fork lift trucks or robots

Component Animation

The MPDS4 Animation Definition Dialog allows you to define and save animation sequences for mechanical handling components, illustrating mechanical handling processes in a plant or factory. Presentations which simulate realistic movements of machinery can serve to accurately illustrate the space required for robots to operate, or the range of movement of cranes.

Automatic Parts List Creation and ERP System Integration

Automatically created parts lists can be exported (to CSV, for example) to gain a quick overview of an entire project. The software can be integrated with your ERP system, allowing additional information, such as component cost or weight, to be displayed, and linking plant design with other corporate processes, such as project costing and procurement.

Software Requirements

- MEDUSA4 ADVANCED
- MPDS4 ASSEMBLY MANAGER

Platforms Supported

- Windows® XP Professional (SP 2 and 3), Vista Business (SP 1 and 2) and 7 Professional
- Sun® SPARC Solaris 9 and 10 with CDE

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