

# M4PDS

Factory Layout  
[www.cad-schroer.com](http://www.cad-schroer.com)



# MPDS Factory Layout

## Plan, Design, Visualise, and Gain Control Over Your Factory Layout

MPDS4 FACTORY LAYOUT is a large-scale database-driven process line and factory design software. It offers a highly productive, integrated approach, taking you from 2D concept to 3D detail design to walkthrough visualisation, delivering the detailed drawings, BOMs and parts lists required for the build or modification order.

The software helps to reduce project lead times and costs, while improving design quality. It combines the best of 2D industrial layouts with the 3D world of services and space management. Extensive interfaces and integrations make it easy for you to re-use existing plans and equipment models.

MPDS4 FACTORY LAYOUT is ideal for Owner/Operators with large process installations (such as food factories or pharmaceutical plants); for plant designers and EPCs; and for machinery providers and system integrators selling complete turnkey materials handling solutions.



## 2D/3D Conceptual Layouts

MPDS4 FACTORY LAYOUT allows designers to work in the 2D or 3D design environment, creating 2D concept designs from scratch or importing DXF data or scanned drawings to create the initial layout. Switching to 3D is easy: Floor height texts determine spot heights across a site, and adding height attributes to selected wall geometry automatically generates a 3D building model. Designers can select and automatically model intelligent architectural components, such as doors and windows.

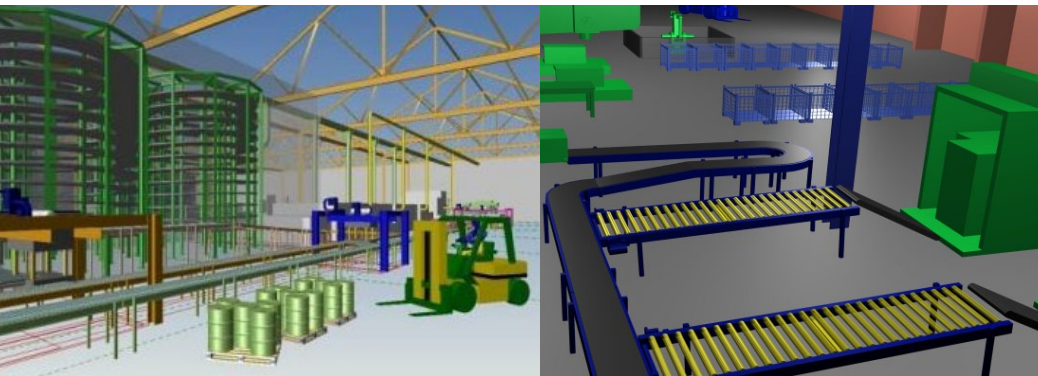
## Quality Assurance

MPDS4 drives up project quality by offering integrated consistency and interference checking. The software automatically detects clashes between components, or obstructions in clearance spaces.

## 3D Walkthroughs

Use MPDS4 ENGINEERING REVIEW for 3D plant fly-throughs and realistic design reviews, ideal for customer presentations. MPDS4 can also export e-mailable factory designs for stakeholders using the separate MPDS4 REVIEW software for walk-through reviews and annotations.

# MPDS OVERVIEW



## Catalog-driven Design

MPDS4's customisable libraries of standard 3D catalog components support highly productive, rules-driven design. Users specify, place and auto-route components, which are automatically modelled in 3D. MPDS4 offers extensive libraries of mechanical handling, piping, steel, HVAC and electrical design components.

## Downstream Data

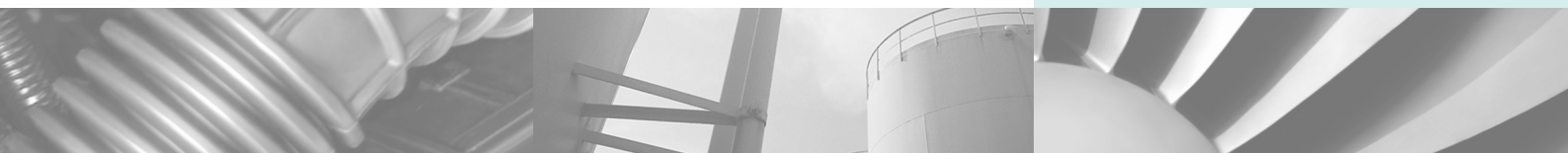
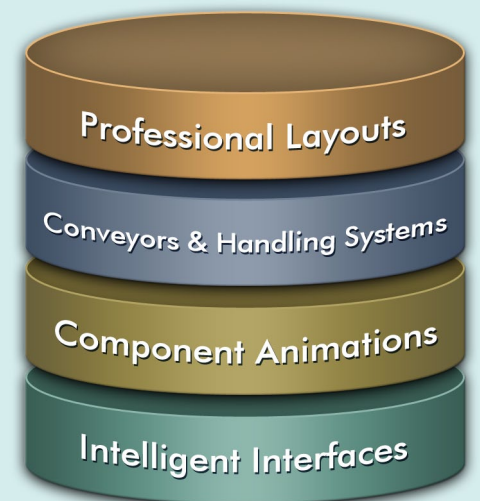
MPDS4 automatically generates BOMs, parts lists, reports and 2D drawings directly from the factory design.

## Factory Modelling Services

With the factory modelling services offered by CAD Schroer, Owner/Operators can quickly obtain a 3D lifecycle model of their existing installation and gain control over their layout, crucial for planning changes.

We can model your factory based on any designs you supply - paper drawings, 2D CAD files, or 3D machinery models from suppliers. We flag up inconsistencies along the way, and where no up-to-date drawings exist, we can arrange laser scanning of your factory, gaining the data we need to create a 2D layout and 3D model.

## FACTORY DESIGN SOFTWARE





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