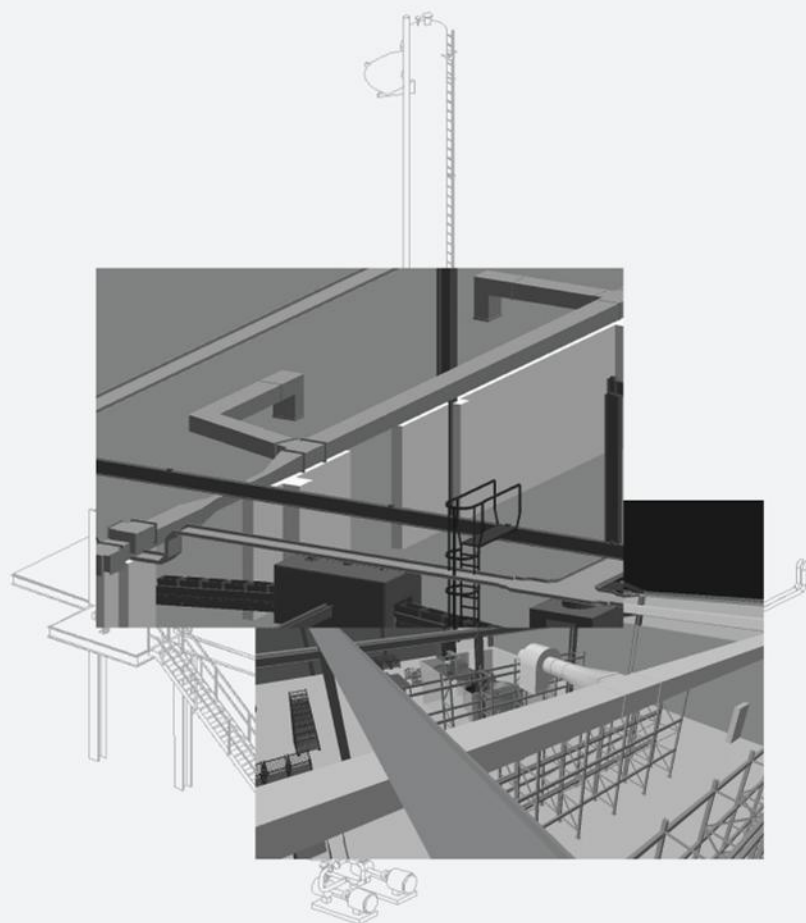


MPDS₄

DUCTING DESIGN

Industrial HVAC Solution



ADD-ON

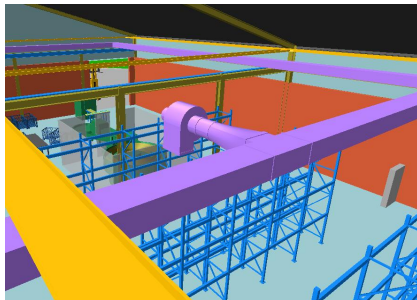


MPDS4 DUCTING DESIGN™

The Professional Industrial HVAC Solution

MPDS4 DUCTING DESIGN is an add-on module providing a complete professional industrial HVAC solution with a very rich feature set. The module offers a large number of extensible libraries of catalog components to a variety of industrial standards.

Creating and Editing Ductwork
MPDS4 DUCTING DESIGN offers powerful dynamic routing tools for loading, positioning and replacing heating, ventilation and air conditioning ducts and components, either manually or automatically.



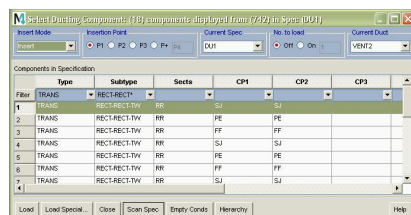
MPDS4 DUCTING DESIGN easily handles complex ducting scenarios

Catalog-Based Design

The catalog component libraries provided with MPDS4 DUCTING DESIGN help you cut down on errors, allowing you to quickly and consistently design complete ducting systems based on company-specific standards.

The catalogs contain many different types of ducts, valves, fans and other supporting components. They are user extensible and customisable, with a central database ensuring consistent delivery of up-to-date catalog data to your design teams.

One unique feature of the ducting catalog is the ability to “special” standard components, for instance to cut back a bend, or to set a special transition piece offset, avoiding the

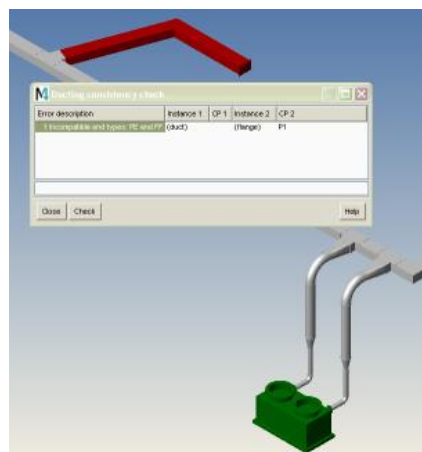


Easily select ducting components from the extensive parts libraries provided

need to add “one off” components to the catalog.

Consistency Checking

MPDS4 DUCTING DESIGN allows you to check entire systems or selected sections for design consistency. Selected components will be tested for such things as compliance with minimum duct length, compatibility of connections, or the validity of relative component alignment. A dialog then presents the test results, listing the affected components and providing error descriptions. Users can click on a listing to automatically highlight the relevant component in their 3D design. Consistency checking results can also be exported to a customisable report.



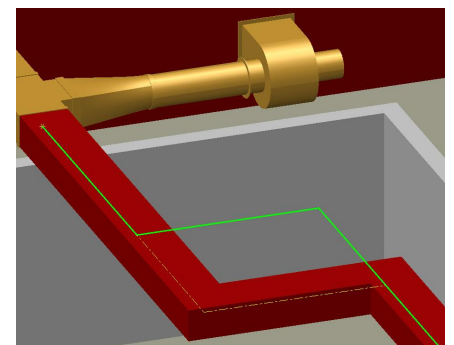
Users can select any error listed in the Ducting Consistency Check dialog to highlight the affected component directly in their 3D layout.

Hard and Soft Interference Checking

Interference checking functionality provides users with a quick overview of overlapping components. Hard interference checking flags up overlaps between selected areas and components, while soft interference checking flags up insufficient space between individual components.

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.



When moving a duct with dynamic drag & drop route editing, connections with other components are automatically maintained.

Software Requirements

- MEDUSA4 ADVANCED
- MPDS4 ASSEMBLY MANAGER
- MPDS4 PIPING DESIGN



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