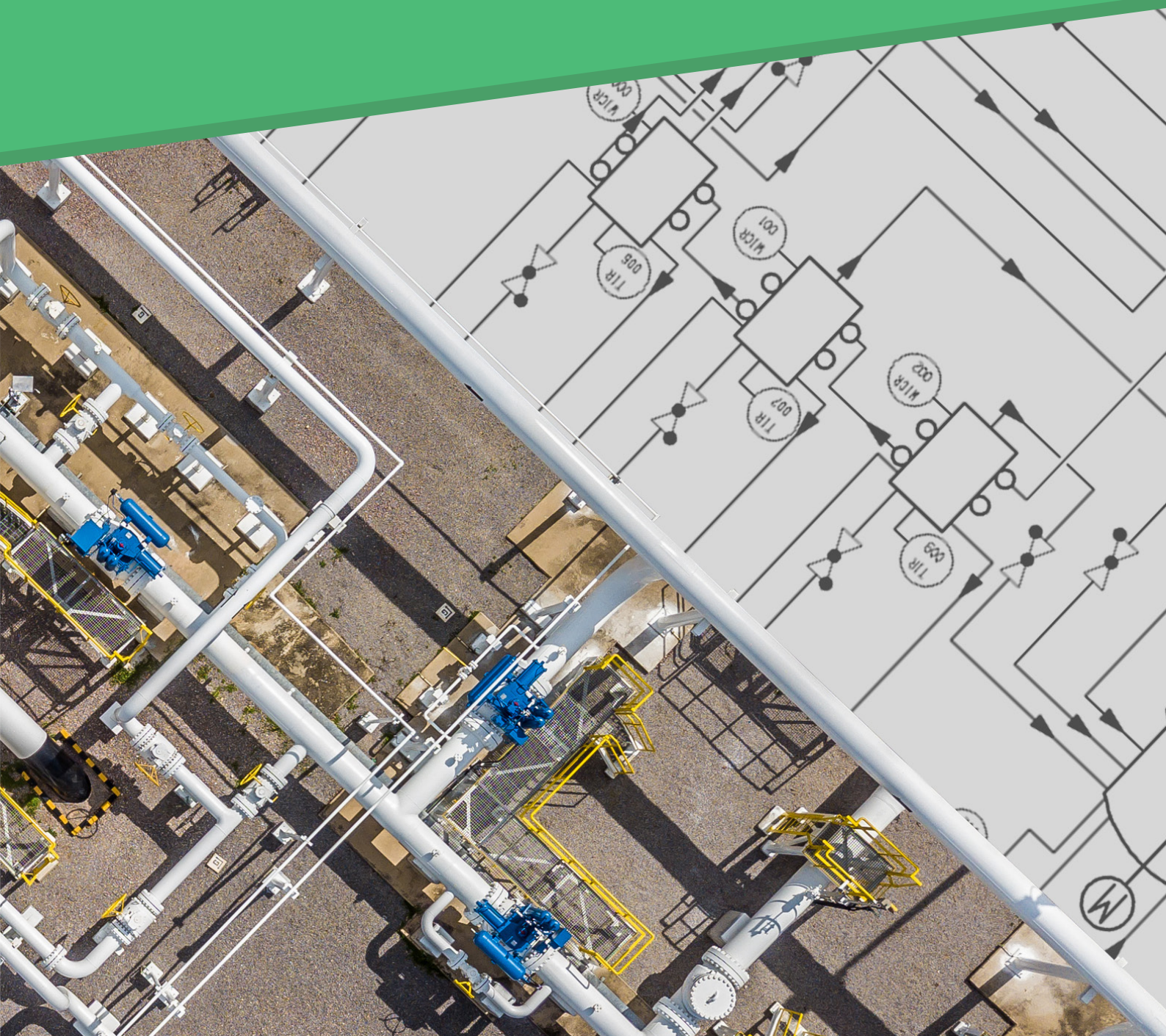# M4 P&ID FX

P&ID Software for Intelligent Piping Schematics

cad-schroer.com/pid

M4 P&ID FX

P&ID Software for Intelligent Piping Schematics

M4 P&ID FX is a standalone system for creating intelligent piping and instrumentation diagrams (P&IDs). Customisable symbol libraries make it quick and easy to design entire process systems using intelligent lines and symbols. M4 P&ID FX provides symbol catalogs in support of the EN ISO and ANSI standard.

M4 P&ID FX provides an integrated consistency checker for design quality assurance, and provides a detailed overview of the components used, as well as their attributes. Potential mistakes or inconsistencies within the schematic are flagged up in a separate report, as well as highlighted on the diagram itself. Parts lists, line lists and from/to lists can be generated at any stage and help teams to monitor a project's progress. Because of the software's flexibility when it comes to the assignment of symbol properties, reports can easily be adapted to suit corporate or project-specific requirements.

2D Drafting Functionality

M4 P&ID FX includes a full range of drafting tools for easily creating and editing P&ID symbols and augmenting P&IDs with text or 2D details from imported CAD data, for example.
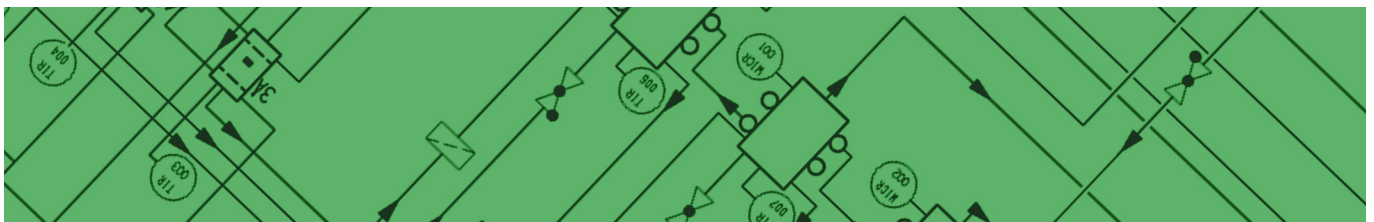
Working Sets

Users can collect several drawings into a single project-specific working set, allowing project teams to gain a quick project overview.

Parts Lists and Reports

Users can easily create, customise, export or print parts lists, line lists and from/to lists from their P&ID data. The lists can also be displayed as tables directly on the P&ID.

Dynamic Design and Editing

The user-friendly M4 P&ID FX tool tray provides access to dynamic and configurable tools for creating lines, determining line crossovers and line flow direction; for filtering, loading, placing, manipulating and editing symbols; for adding branch, symbol and line bore texts; for placing on- and off-sheet connectors; and for creating vendor, responsibility, and pipe specification break symbols. When symbols are moved, the system automatically maintains connections.

Intelligent Diagrams

M4 P&ID FX provides a large selection of process and instrument supply line types and non-labelled lines. The software offers catalogs of intelligent, customisable symbols for P&ID in-line equipment and instrumentation, including symbols for creating flow diagrams for process plants in accordance with EN ISO and ANSI. Users can include important process information (such as pipe bore size and specification) using freely configurable line and symbol properties.

DXF/DWG Import and Export

M4 P&ID FX's integrated CAD conversion functionality allows users to easily import and export DXF and DWG files with excellent results. An intuitive user interface allows designers to create their own conversion mappings.

Design Verification

For quality assurance, users can automatically check diagrams for design errors against P&ID-specific design rules. The design verification tool supports multi-sheet scanning. Potential errors are displayed in a dialog and highlighted in the design itself.
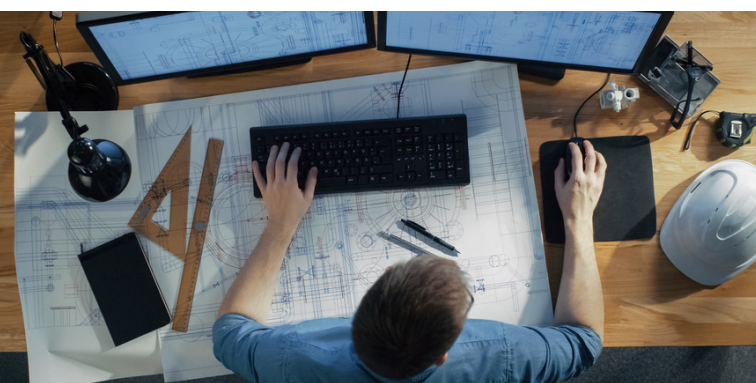
Video Tutorials

CAD Schroer offers a number of tutorial videos designed to get projects off the ground quickly by taking users through the product's functionality in detail, with step-by-step instructions.

Multi-Sheet Support

M4 P&ID FX contains specialised tools for intelligently connecting equipment, piping components and instrumentation across different drawing sheets, clearly structuring complex information.

Try and Buy

M4 P&ID FX is available as a 30-day free trial. For more details about the trial download and on how to buy P&ID FX, please visit: cad-schroer.com/pid

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