

COMPANY PROFILE

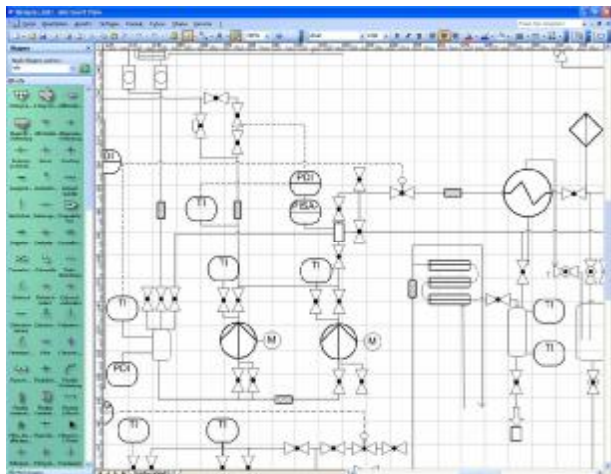
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Since 1999 the company X-Visual Technologies, located at Adlershof in Berlin, Germany, has specialized in the design and implementation of sophisticated Microsoft-Visio solutions for technical systems. We develop custom software for the complete documentation of the whole process of planning, installation and commissioning of complex, large-scale projects in the fields of telecommunications and the construction of industrial facilities.

Our customers include builders, operators and planners of telecommunications and data networks, as well as of industrial plants. For telecommunications and data distribution planning we offer Visual NetPlanner; with Visual PlantEngineer we often a software application for planning the construction and management of process plants.

We specialize in the development of intelligent software solutions for visualizing, evaluating and administering the components and processes of technical systems. The solutions we offer for the planning and documentation of telecommunications and data networks consist of innovative software modules, standard applications and a central database. Our newly developed application Visual PlantEngineer is being employed successfully, providing greater transparency in the implementation of automation systems.

Technically, our solution is a sophisticated variant of the visualization software Visio from



Microsoft, which we have enhanced with our own modules and optimized for the planning, documentation and administration of technical systems. Making use of predefined graphic elements, Microsoft Visio facilitates the creation of complex plans and diagrams, as well as the schematic representation of technical processes. By means of Microsoft Excel the data can then be evaluated, filtered, sorted and further processed as needed. Since the data are stored in a

central database, other areas of the company such as purchasing, controlling and R&D can access the information and use it as an extension of their respective internal data pools.

PLANNING INDUSTRIAL PLANTS USING MICROSOFT VISIO AND VISUAL PLANTENGINEER

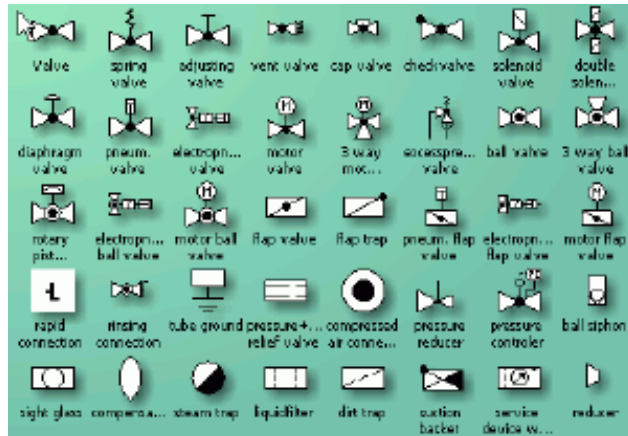
Our Microsoft Visio-based application offers a powerful new tool for achieving greater efficiency in the construction of technical plants. Process plants can be intuitively planned and documented without the need for a time-consuming and difficult learning curve.

Planning and documentation in the construction of large facilities are associated with a high rate of data redundancy and errors. We offer a highly effective solution which involves little time and low costs and which provides a thorough rationalization of the planning process.

The intuitive creation of two-dimensional process flow and piping and instrument diagrams using "intelligent" shapes is made possible by new software components based on Microsoft's Visio. By means of drag&drop the functional design of a plant can be represented schematically easily and quickly using comprehensive DIN/ISO shape libraries. The software is strictly object-oriented. The shapes used for drawing the schemata are graphic containers for information and properties. Behind the graphic components there are object-specific

properties stored as data, as well as code which interacts with this data. Thanks to the individualized definition of the symbol properties, the planning tool can be used in a wide variety of ways. The learning curve is minimized due to the self-explanatory, user-oriented interface from Microsoft Visio.

Integration of the software into other Microsoft Office applications enables the automatic generation from the two-dimensional model of all plans, bills of materials, user manuals, etc.



required for planning and installation. By a click of the mouse the data can be evaluated, filtered, sorted and processed electronically as needed in Excel. For example, bills of materials or comprehensive documentation handbooks can be generated in Word within minutes. It is also possible to establish connections with company SAP interfaces. The database connection is compatible with all commonly available

systems. Among other functionalities, the software is also multi-lingual and provides, by means of a highlight function, the simple visualization of the construction and commissioning status of a plant.

Thanks to the automatization of the process-related data-flow, not only is the documentation work reduced by up to 50 percent. Experience has also shown that due above all to the standardized process steps and the avoidance of redundant work significantly fewer mistakes are made in the planning and installation of industrial facilities. As a result, the uniform product and quality standards make possible a company-wide enhancement of quality.

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