

Partner networking success story: X-Visual and ERP software vendor KUMAvision\*:

**“The engineering solution VisualPlant Engineer with ERP integration facilitates smooth work processes during plant construction.”**

The Stuttgart plant construction company Hager+Elsässer ranks among the international market leaders for industrial water treatment plants. Growth of the firm and a rising number of personnel made communication inefficient. Often decisive information did not arrive where it was needed in time.

Because the plant builder works with different engineering teams for each of its projects, it soon became clear that a complex IT solution could not meet its requirements. For this reason, a software solution was sought that provided an intelligent meshing of the IT components, making them efficient, flexible and easy to use. The plans were based on so-called piping and instrumentation diagrams (P&IDs). Originally these diagrams were generated with AutoCAD, which had the drawback that only specialists were able to operate the software. The process engineer printed out the plans and marked his changes on them, which the CAD specialists then integrated back into the schematic. Because these diagrams undergo frequent changes during the planning phase, errors were as good as guaranteed, especially on larger installations and with ever tighter processing times. Extra costs and delays were the inevitable consequence.

Visual PlantEngineer solved this problem for the Stuttgart plant construction company. It is so easy to learn and use that the engineers themselves can supplement or change the flowcharts without disruption of the data stream. They can easily enter the requirements for each component directly into VisualPlant Engineer. A link to the enterprise resource planning system (ERP) transfers the component data and any changes directly to the ERP system's parts lists. As a result, because of the ERP link, the order and availability status of the parts can be accessed directly over the diagram.

With Visual PlantEngineer everyone involved can now access the same data. In particular, the innovative link between the ERP system and Visual PlantEngineer presents obvious advantages. Because technical changes are automatically made accessible to everyone involved in the project, the result is significantly less susceptibility to error and greater efficiency.

“During the test phase productivity was increased by up to 20 percent.”

Oliver Franke, Head of Engineering and Head of Department of Quality Management,  
Hager+Elsässer GmbH

“With the introduction of Visual PlantEngineer, we not only simplified the processes, but also enhanced understanding of the tasks and requirements between different divisions.”

Oliver Franke, Head of Engineering and Head of Department of Quality Management,  
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(\*[KUMAvision](#) develops and implements ERP solutions based on Microsoft Dynamics NAV – for small and medium-sized enterprises, as well as for international corporations.)