

INTEGRATION

WE DELIVER A CUSTOMER-SPECIFIC OVERALL CONCEPT

For the networking of computers, especially in industry, we adapted well-known network protocols for our systems at an early stage. Applications include airports, the automotive industry, the steel industry and mechanical engineering. The highlights of our long-standing software activities naturally also include extensive system analyses and project management, also of large cross-company software projects, whereby the transfer of know-how to the customer was and is a matter of course for us as a company policy. Systemforschung is able to offer you an overall concept from the development to the turnkey plant. To this end, we work together with experienced partners and ensure the orderly interaction of the components:

- Computer, network technology, operating functions and visualization
- Camera and lighting technology, sensors
- Control cabinet construction and cabling also via fiber optic cable
- Assembly scaffolds, handling systems and robots, if applicable
- Air conditioning, protection technology

INTEGRATION INTO THE CUSTOMER'S IT STRUCTURES

We are happy to adapt the necessary communication to customer needs on request. This applies both to the interfaces to different levels and to the operation (HMI interface), as well as to the documentation. For software integration into existing IT structures of the customer, the following communication options are available for networking with the higher-level plant control (process control system):

- TCP/IP
- ProfiBus
- ProfiNet
- Serial communication (RS232)

As computer hardware we use multiprocessor systems based on current industrial PCs with Windows or Windows Server operating systems. We archive the reading results and images in your database using the following database systems, among others:

- Oracle
- SQL Server
- MySQL

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