OPC – The perfectly fitting communication of the future.

OLE for Process Control (OPC) means open and flexible communications in automation technology. OPC enables data exchange between products from a variety of manufacturers through a standardised access.
When you decide to implement OPC technology, the abacon group is at your side with all its technical competence and experience. We host your project from the first discussions through implementation to system maintenance.

From control level to field level

Client/server technology is used to provide the connection between data source (at field level with intelligent field devices) and user (at process level). The data available are processed using special tools for smooth integration into the relevant applications.

The device data operate diagnosis and engineering systems, databases, and process stations. Data transmission is handled reliably by the OPC coupling.
Using the OPC standard means that any software and hardware components from a variety of manufacturers can be combined with each other. For this reason, using OPC in automation technology is increasingly indispensable.

The OPC coupling is used particularly often in the system integration of a number of controllers under one control level. For instance, controllers from Siemens (S5/S7) can be connected via OPC interfaces with a control level from ABB.

Other advantages of an OPC coupling are the simple parameter administration, the travel control (e.g. of a conveyor system), the possibility of integrating product administration, and a comprehensive batch protocol system.

The OPC interface makes direct integration possible from the management level down to the production / process level, e.g. ERP (Enterprise Resource Planning) software and MES (Manufacturing Execution Systems). MESs are playing an increasingly significant role in the world of automation.
The development of customer-specific OPC clients permits an individual operation and monitoring concept.
The option of remote diagnosis is provided by a customer-specific OPC web client.

**NetMonitoring**

The NetMonitoring tool developed by the abacon group provides simple but comprehensive monitoring of network components via an OPC server. NetMonitoring can be integrated into all control systems that support an OPC interface.

**abaBatch**

The abacon group has developed a customer-specific OPC client for process technology production lines. With this programme, the user can specify variable process sequences via the OPC interface (formulation procedure). A reporting system is also realised via the OPC interface.