

# KPA Automation Server

## Data acquisition hub

KPA Automation Server collects data from various controllers, aggregates it and transfers through the secure OPC UA protocol. KPA Automation View may use KPA Automation Server for connection to any PLC through protocols other than OPC UA or OPC DA.

## Benefits and key features

### ■ Unified controller gateway

KPA Automation Server integrates even old field devices and controllers into modern IT infrastructure.

### ■ Data provider for various types of applications

KPA Automation Server provides aggregated data for the following software:

- Software for creating Human Machine Interfaces (HMI), for example, KPA Automation View
- Data analytics applications, for example, KPA Automation Data Analytics
- Manufacturing Execution Systems (MES)

### ■ Secure data transfer

Data is transferred through the secure OPC UA protocol.

### ■ Flexible development solution

KPA Automation Server can be integrated or used as a standalone application.

### ■ Increasing capabilities by custom plug-in creation

Plug-ins can be created using a software development kit (SDK) to enhance communicating with specific devices.

### ■ Ready for Industry 4.0

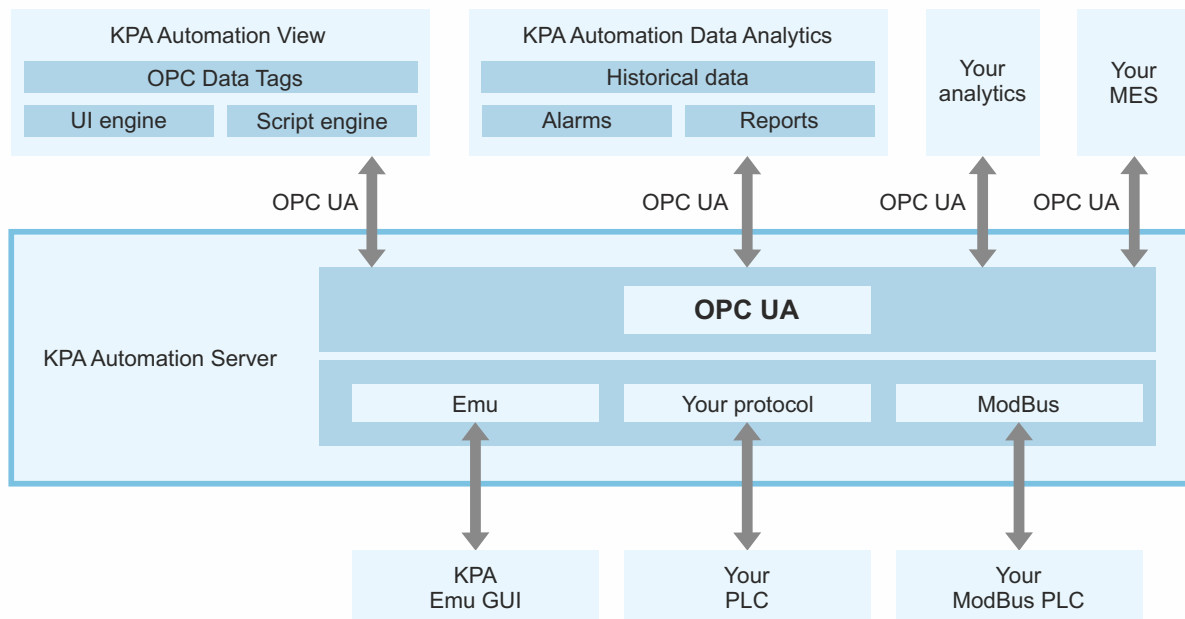
Industry 4.0 refers the concept of fully automated digital production and data exchange in manufacturing technologies and processes. Technology of secure data transfer between any types of devices, provided by KPA Automation Server, entirely complies with the Industry 4.0 concept.

## Workflow

A development process runs separately from HMI and PLC in KPA Automation Server.

The workflow is divided into a design mode and a runtime mode. The design mode is for creating and editing a configuration file. In the runtime mode the configuration file is used for building OPC UA tag tree and for connecting data sources (devices or applications), which use other access protocols, to OPC UA tag tree nodes.

Data tag tree can be either manually created in KPA Automation Server Configurator without participation of PLC or can be imported from the PLC into KPA Automation Server. Imported data tag tree is protected from any changes in the PLC.



For HMI debugging and troubleshooting, KPA Automation Server provides the Simulation plug-in, which generates data by source emulation to check tags values.

### Custom Development

koenig-pa GmbH offers specific software development for customers who require additional support for integrating our products into their applications or solutions.



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