

Company Information

ABOUT US

For almost three decades the Ako-Tec AG is one of the innovative providers of services and products in the field of industrial automation and software development. We solve complex tasks of the control, management and control systems for process plants and machinery - in Europe.

Our quality management system that is certified according to DIN EN ISO 9001 acts as a guarantee for our customers that our services and products are high quality and that the processes are constantly improved.

Process Automation

Our competent staff plans and realizes projects in the field of automation technology with PLC's and DCS. Our expertise includes consulting and concept development as well as all services from Basic to Detail Engineering and after-sales service.

Especially with system migrations (retrofits) and "3rd party" connections (PIMS; LIMS; ERP) we have extensive experience.

Software- & Database development

We develop innovative, tailor-made, automated software solutions for our customers with modern programming and web languages as well as databases. Our long-standing experience in a wide range of industries and the automation systems implemented here guarantee our customers the highest level of stability and availability.

Project Consulting

You need assistance with the project planning and/or project controlling?

We support you in advance of a project in inventories, evaluations, the preparation of technical specifications (invitation of tenders). During the project, we support you in the project management and controlling, as well as the technical contact for suppliers.

Our services and products are used in the following industries:

Automotive - Chemistry - Energy - Food - Oil & Gas - Pharma - special machinery

System knowledge:

Below listed systems we use in our projects and have the relevant expertise.

Process control systems / automation systems / Visualizations

Siemens:

- PCS7 AS/OS
- SIMATIC BATCH
- SIMATIC -S5
- SIMATIC -S7
- ProTool / COROS / WinCC flexible
- WinCC, WinCC/TM, WinCC/ODK
- TIA-Portal
- Powerrate
- Addon Programming
- Teleperm M/ME
- Teleperm OS252-265, OS525
- Prograf AS/OS

Emerson:

- DeltaV (M-/S- Series controller, Application Station, ProPlus, iFIX)
- DeltaV Connect TM
(developed in cooperation between Ako-Tec und Emerson)

Honeywell:

- Experion PKS (C200/C200E, C300, FTE, Server, Console/Flex station, HMIWeb Builder)
- TDC3000 / TPEngine

Bus systems / interfaces:

Hardware:

- Profibus -DP / -PA / -FMS / -FDL
- Neu: Profibus DP/PA Troubleshooting
- ProfiNet, Industrial Ethernet
- Modbus RTU / TCP
- CS275
- Serial connections RS-232 / RS-485 / 20mA (TTY)

Protocols / interfaces:

- OPC -DA / -AE / -UA
- ODBC
- RFC1006 (ISO on TCP)

Programming languages

- EN 61131-3 (AWL, FUP, KOP, SCL, CFC, SFC)
- C / C++ / C#
- Visual Basic (VB / VBA / VBS)
- Java / JavaScript
- Borland Pascal
- Internet HTTP, HTML, PHP, POP3, SMTP usw.

Databases

- Microsoft SQL
- Microsoft Access
- MySQL

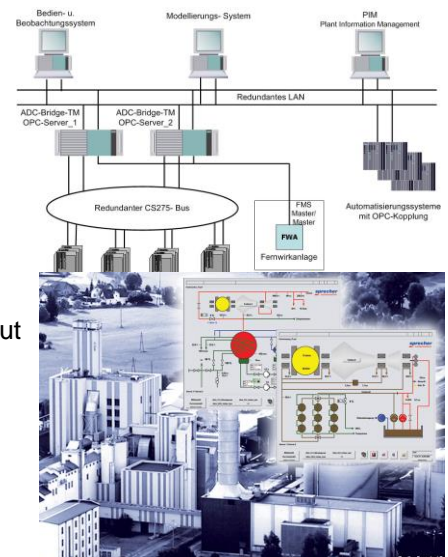
ADC-BRIDGE-TM

Modern system interface to Teleperm M/ME – Use in system migrations or values outcouplings via OPC and native protocols

The own developed ADC-Bridge-TM connects Teleperm M/ME (CS275 Bus) with modern Automation and analysis systems. There are available in addition to the OPC interface native interfaces for DeltaV , PCS7 , WinCC OA , etc. Through the ADC - Bridge - TM process values / alarms / messages can be exchanged bidirectionally with modern control and analysis systems. In migration projects (horizontal / vertical), the ADC-Bridge-TM is the link between controllers or to HMI.

Benefits of the ADC-Bridge-TM OPC-Server-DA/AE:

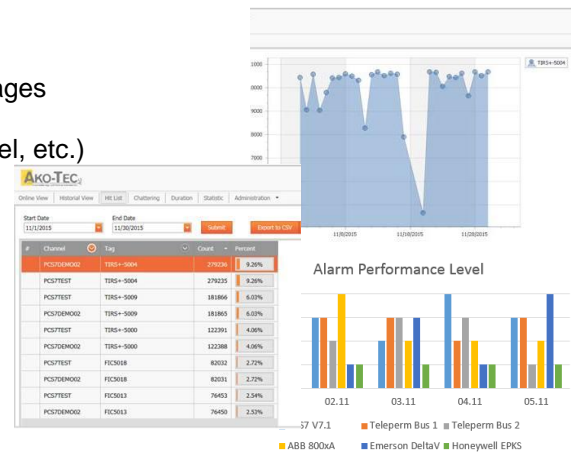
- Fast integration of existing TELEPERM systems in modern automation concepts
- Economic subsystem exchange, for example Migration to modern control and monitoring systems
- Connection of Teleperm to PIM (Process Information Management), ERP (Enterprise Resource Planning) systems
- The modern windows based interface is easy to use and allows a great overview and ease of use when configuring.
- Commissioning is possible parallel to the operation and is without Downtimes
- cross communication between Teleperm ASes and the Controllers of the new control system is possible.
- Native interfaces/drivers for WinCC/OA, DeltaV, etc. available.



PROTOS 2.0

Alarm management / printer replacement system for the detection of alarms/reports from automation systems and devices

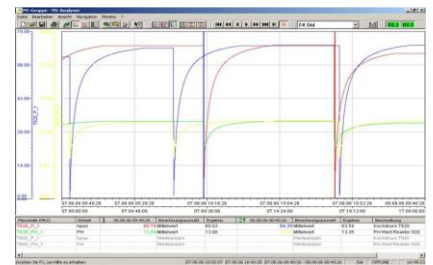
- manufacturer independent detection of alarms/messages
- Intuitive operation via Web FrontEnd
- Analyzes (Favourites, flutter alarms, performance level, etc.) in accordance with ISA 18.2 / 191 EEMUA
- analysis according to various criteria (Type of alarm; Alarm Priority; etc)
- registration, archiving of messages from PLC and DCS systems
- based on SQL-database
- User Management
- Individual reports and evaluations
- data registration via various interfaces



PD-MI-SYSTEM

Modular process data information system for companies of all sizes and ranges

- registration, archiving and compression of process values
- communication via Profibus, Industrial Ethernet, CS275-Bus, PCS7/WinCC, OPC und Modbus
- BATCH-Management
- visualization and analysis of processes using statistical functions
- Comparison of batches , measured values and processes by multilayer technology
- Automatic creation of mass balances
- runtime and cycle monitoring with maintenance logbook
- creating reports and data export to SQL databases and Excel
- integration of external systems such as LIMS, MES, etc.



vCard

Ako-Tec AG
Gottfried-Kinkel-Straße 26
D- 53879 Euskirchen
Phone +49 (2251)/65030-0
Fax +49 (2251)/65030-10

info@ako-tec.de ♦ www.ako-tec.de

