Automation

Engineering and implementation of process control systems
Hardware and software development

At the press of a button your process plays the right music

SYSTAG
automatically better

Sophisticated solutions for process automation in the chemical industry!

Sophisticated automation

Our chemical process concepts always contain technically meaningful and at the same time scientifically optimum solutions. We benefit from our experience in programming control systems, in the development of micro processor systems and in the conception of data banks and networks.

Our features

→ The right assembly know-how for sophisticated automation solutions

→ More than 30 years service in the chemical industry

→ Integral problem recording for optimum technical and scientific solutions

→ Input of reliable software and hardware components

→ High quality awareness, characterised through projects carried out in the pharmaceutical industry

→ Structured development run

→ Where applicable, the latest technology

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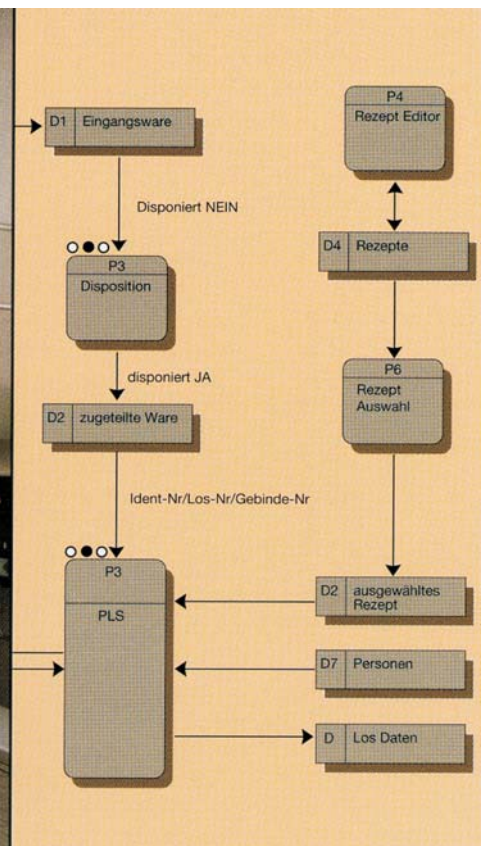
Even difficult problems are not insurmountable !

Our achievements

→ Engineering bases and preliminary studies

→ Recipe controls for chemical production

→ Data banks / management of process data and long-term archiving

→ Visualisation of installation conditions

→ Material tracking and personnel identification

→ Networking of control levels, process system levels and product monitoring

→ PLC programming, real time recording

→ Development of electronic hardware, design and testing of prototypes

→ Registration for quality control

→ Support for qualification and validation of systems used (FDA approval)

Structured sequence of events

Our development works in accordance with a sequence defined in quality management. This defines which documents need to be generated by when. Consequently you can keep yourself continuously informed about the development position and influence the rest of the run during reviews.

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Systems and Languages

Computer / CPU systems

VAX

PC

PLC

Motorla µP

Intel µP

Operation systems

VMS

Windows (3.11, 95, 98, 2000, NT)

QNX

Programme languages

Pascal

Portal

Visual Basic

C/C++

Modula 2

SQL

Assembler

HTML

Design tool

System-Architect

Data Bank

Access

PISA

Oracle

Process control software/tools

FIX/DMACS (Intellution)

Sattline

Computer networks

Field bus, Profibus

Ethernet

Token Ring

DecNet

Novel-Netware

Internet

Realized Projects

Process control systems

Textile dyestuff

Pharmaceutical bulk production

In-process analysis laboratory

Pilot installations

Polymer chemistry

Dyestuff chemistry

Photo chemistry

Energy saving crystallisation procedure

Automatic laboratory reactors

Active pharmaceutical substance development

Dyestuff development

Polymer chemistry

Reaction calorimetry

Peptid syntheses

Bio catalytic converter test installation

Logistics and information

Material flow and monitoring

Personnel authorization and registration

Central data recording with long-term archiving

Miscellaneous

Dosage system

Automatic distillation

Micro processor subsystems

Remote control and remote monitoring

Thermal analyses instruments

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