



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



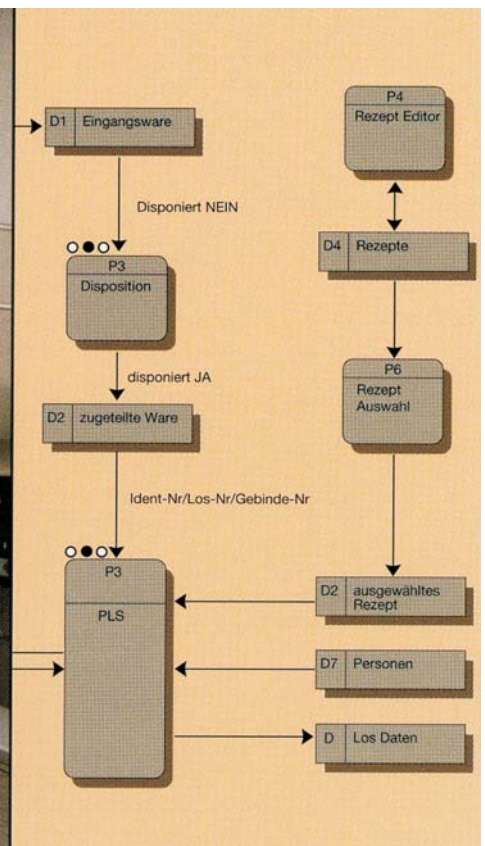
Even difficult problems are not insurmountable !

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.



Systems and Languages

Computer / CPU systems

VAX
PC
PLC
Motorla μ P
Intel μ P

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