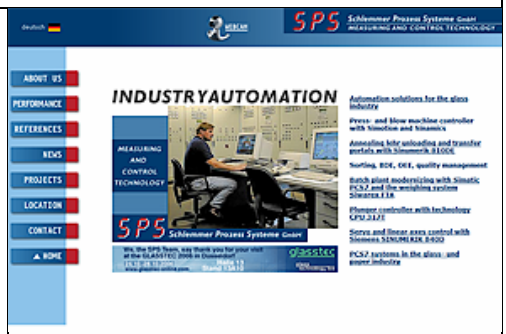
Schlemmer Prozess Systeme GmbH
MEASURING AND CONTROL TECHNOLOGY

Our company ...

•	Company headquarters Deggendorf/Lower Bavaria
•	Company foundation 1992
•	9 co-workers (engineers, masters, electronic technicians) as in 2006
•	Staff through partner company's: 10
•	International fairs: Glasstec Düsseldorf since 1994

Schlemmer Prozess Systeme GmbH
Greising 40
94469 Deggendorf
+49 (0)991 / 29096-0
+49 (0)991 / 29096-46
info@sps-gmbh.de
www.sps-gmbh.de



Since 1992, Schlemmer Prozess Systeme GmbH has been busy in the field of instrument engineering abroad and at home. The field of automation focuses on:

- Analysis of manufacturing processes
- Planning and projecting
- Controlling and process control technology
- Drive engineering and machine controlling
- Automation
- Factory automation solutions based on SIMATIC PCS7
- Plant simulation and staff training

Our proposal:

To find out if we are a competent partner for your projects, please, ask us to submit an offer without obligation. We would like to place our experience at your disposal and attend you from the first spark of the idea up to practical employment. Owing to our long-standing experience and flexibility, we are confident that we are able to submit an offer which is attractive in every respect.

Enclosed:

- Our services ...
- Some examples of our activities at home and abroad ...
- Our performance at a glance ...

Our services ...

Concept design

Meetings provide the basis for the development of useful solutions for your type of problem. The requirements specifications are compiled by us and provide a general documentation of the automation solution of choice, regardless of plant size – from small plants excluviely based on relay technology up to networked plants comprising several control systems.

Design of hardware plans with CAE support

Our coworkers take care to choose the most cost-saving hardware. The use of standard components of renowned brands ensures long-term availability of spare parts. Modern CAE systems (EPLAN, WSCAD) are the basis for diagram design.

Switchgear cubicle construction and wiring

The switchgear cubicles are constructed with interference immunity (EMC) according to current DIN standards. Generally, only components with a valid CE code are used. To ensure faultless commissioning, all hardware is tested prior to delivery.

Software design and SPS / drive engineering / machine controlling programming

Based on our experience, we rely on standard SPS control systems and PC-based control systems of renowned brands (SIMATIC S7 / Sinumerik / Sinamics / Simotion, IFM, Beckhoff etc.). This ensures reliable function and compliance to all required output parameters during plant operation.

Visualization / Process control systems

When it comes to plant management and statistics, we offer a broad range of useful solutions, from simple text displays and operator panels up to sophisticated process visualization systems, process leading system (PCS7). On demand, we faciliate linking of our system to the customer database (Excel, Access, MSSQL, SAP).

Commissioning

With your cooperation we develop a strategy to ensure faultless integration into the production plant. Even after successful commissioning and handing-over of the plant we are at your disposal. Just ask for a taylor-made maintenance and service contract.

Some examples of our activities at home and abroad ...

Customer	Project
D. Swarovski, Austria	Controlling of weighing plant and process control system for batch plant
Heinz Glas GmbH, Germany	Complete plant automation through PCS7
GTP Glastechnik Piesau GmbH, Germany	Complete plant automation through PCS7
SP Piesau GmbH, Germany	Complete plant automation through PCS7
Pfleiderer Spezialpapierfabrik, Germany	Complete plant automation through PCS7
MAN DWE GmbH, Germany	control system for 4 reactors with PCS7
MD Papier, Germany	control system for conveyor with PCS7
OSRAM, Germany	PCS7 for batch plant
S.A.R. Electronic for BMW, Germany	Finishing line
S.A.R. Electronic for SANO, Germany	SIMATIC S5 linking to UNIX & SQL database
Schiller Elektro Anlagen GmbH, Germany	Handling system for BMW
Dr. Genthe Glashütte, Germany	Controlling of mixer charging and batch plant
P.T. Domas Intiglas, Indonesia	Controlling and process control system for tanks with platinum channels
Rodenstock, Germany / Thailand	Control system for polymerisation furnaces
Schott Glaswerke, Germany/Hungary/Czech Rep.	Controlling and process control system for tanks, platinum feeder
Schott Glaswerke, Germany	Pressing stations controlled through servo axles
Dorfner Mühle, Germany	Control system for loading/unloading flour in silo plants
PharmCoTec I. Lense, Germany	Filling station
Inn Crystal, Austria	Controlling and process control system for electric melters
Friedrich Farbglashütte and Lauscha, Germany	Controlling and process control system for pot furnaces
Freiherr von Poschinger Glashütte, Germany	Controlling of pot furnaces
University of Erlangen, Germany	Control system for pot furnaces
Claus Josef Riedel Werke, Austria	Controlling and process control system for pot furnaces
J. Walter Co. GmbH, Germany	Controlling and process visualization for platinum feeder
Brauerei Hutthurm, Germany	CIP tube cleaning systems 1/2 and controlling of storage tanks
Forma Glasmaschinen, Germany	Glass production machines
Kristallglasfabrik Amberg Nachtmann, Germany	Operational data acquisition for production lines
Sarner Cristal, Switzerland	Controlling and process control system for pot furnaces
Vitromedan, Romania	Control system and process visualization for glass melters
Building of special purpose machines, Germany	7 Axes machines control with Sinumerik 840D
Schott AG Werk Grünenplan	Modernizing of the batch plant with PCS7 and Siwarex FTA
Zwiesel Kristallglas AG	Plunger and machine control, sorting system

Our performance at a glance ...

→ Concepts and consulting

Concept design
Bidding documents
Pre-planning and detail plans
Project management
Consulting for plant optimization

→ Hardware layout and switchgear cubicle construction

Hardware planning with WSCAD and EPLAN
Switchgear cubicle construction
Hardware and software testing

→ SPS programming

SIMATIC S5
SIMATIC S7
SIMATIC PCS7
EUROTHERM PC3000
IFM ECOLOG 100plus
IFM ECOSYSASI
BECKHOFF

→ Process visualization and process control systems

SIMATIC WinCC
SIMATIC PCS7
EMATION WIZCON
INTELLUTION FIXDMACS

→ Software development

MS Visual Basic
MS Visual Basic for Applications
MS Access
C++ for Applications

→ Weighing technology

SIWAREX-FTA,
SIWAREX-M
SIWAREX-U

→ Drive technology

SINUMERIK (7 Axes machines control with Sinumerik 840D)
SIMODRIVE
SIMOVERT
MICROMASTER
SCOUT
Frequency converters

→ Special fields

Migration from TELEPERM M to SIMATIC PCS7
Migration form SIMATIC S5-xxx to SIMATIC S7/PCS7
Migration PCS7 version X to 5/6/7
PCS7 Faceplate technology for industry
Fuzzy control
GCP glass control packages for charger, melter, feeder, power control
Machine controlling with Siemens SIMODRIVE and SINUMERIK 840D
Gateway controlling
Database linking
Machine control programms

→ Bus systems

Profibus DP/FMS
ASI Bus
Ethernet, TCP/IP
Telemonitoring, remote control (Modem, ISDN, VPN, Internet, Intranet, WLAN, Bluethooth,)
Serial communication (e.g., 3964R RK512)
Redundant bus system design, also through FO cables

→ Commissioning and service

Site management
Control and process optimization
Personnel introduction and training
Service and online support
Teleservice
After-sales service
plant simulation
staff training

→ Technical documentation

Documentation of projects, hardware and software
Plant description and user manuals
Troubleshooting documentation
Error management
Journal articles