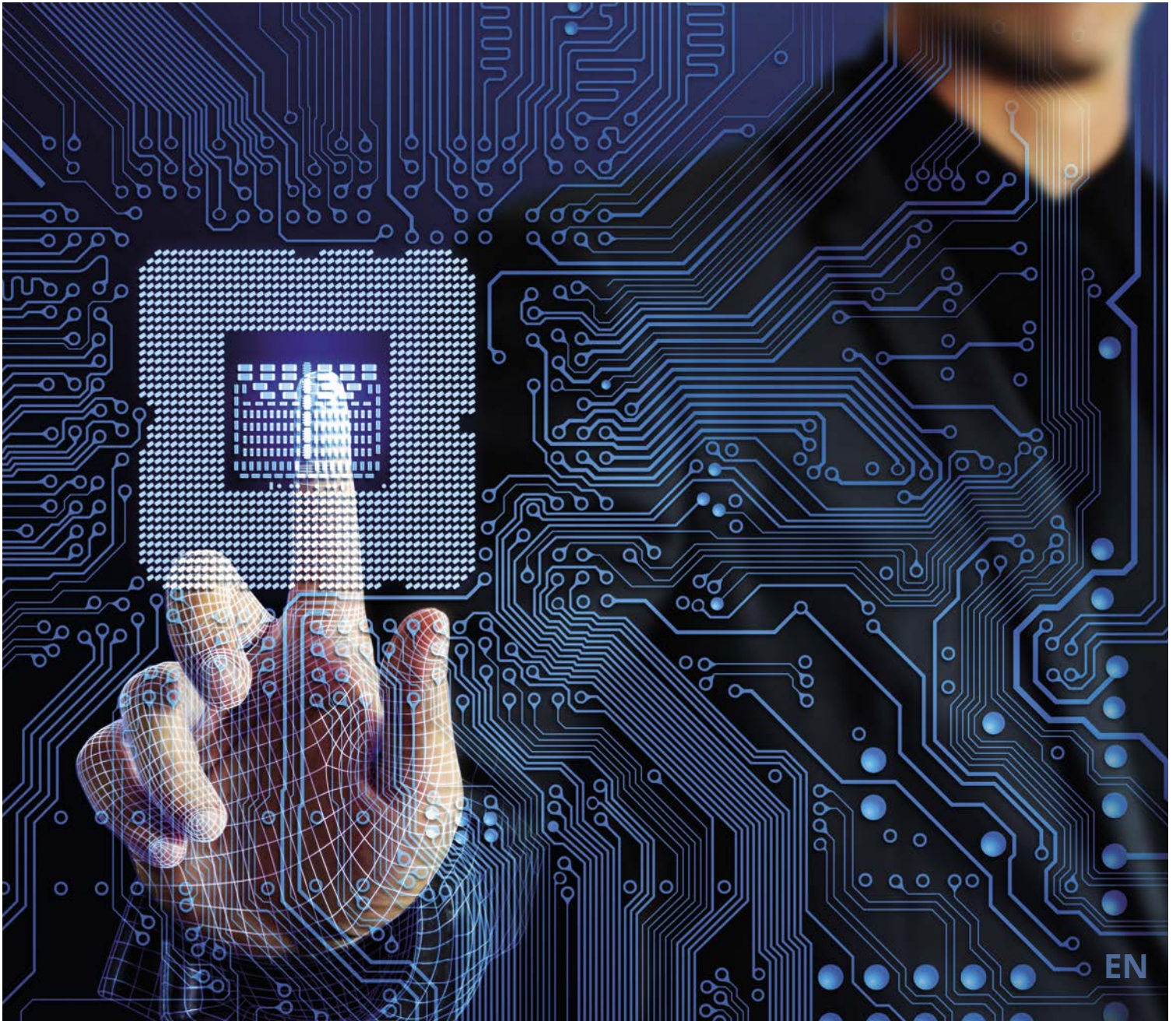




EXPERTS IN AUTOMATION





SINGLE-SOURCE INDUSTRY SOLUTIONS

- > **Beverages**
- > **Foods**
- > **Grain**
- > **Life sciences**
- > **Infrastructure**



WE LIVE OUR VALUES!



**Fachwissen
KNOW-HOW**



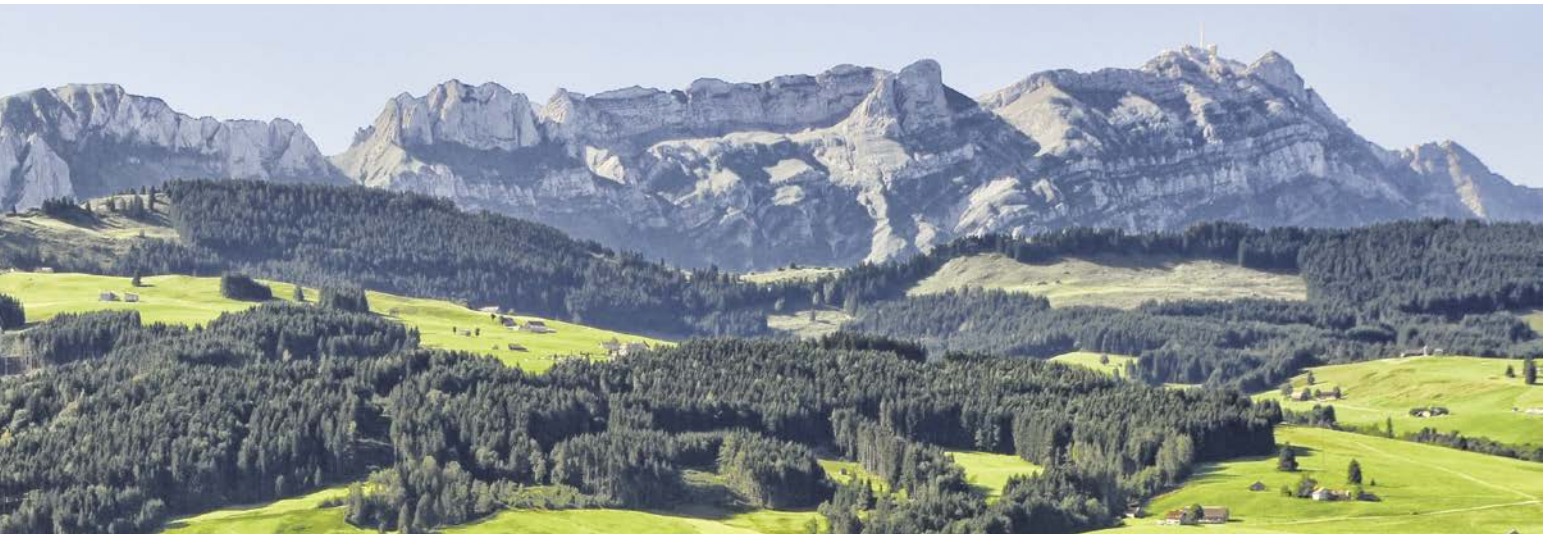
**Verlässlichkeit
RELIABILITY**



**Zusammenhalt
TEAM SPIRIT**

CONTENTS

3	Schmid Automation
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Schmid Automation is a leading independent integrator of automation systems covering all components from switchgear to process control systems.

Schmid Automation has been an acknowledged process automation expert for over 60 years. At our locations in St.Gallen (Switzerland) and Augsburg (Germany), we generate true added value for our worldwide customers from the grain processing, beverages, life sciences and food industries as well as in the field of public infrastructure. From concept design to commissioning, our highly motivated employees support customers in every step along our project implementation process.

As a nationally as well as internationally oriented organization, our top priority is to employ highly

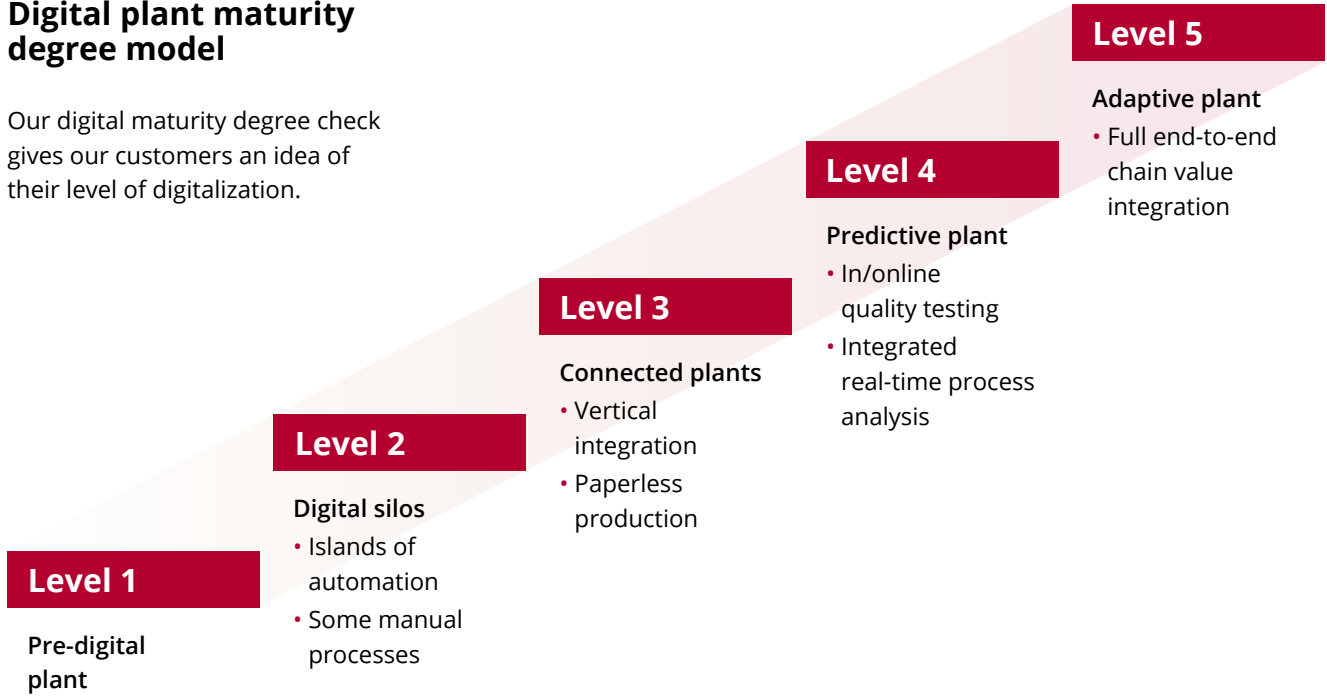
qualified specialists from the areas of concept design & consulting, software engineering, electrical engineering and switchgear design and construction.

We offer our complete solutions ranging from engineering to implementation from a single source. This one-stop shopping minimizes interfaces and error rates. Every project receives close individual attention. In handling your project, we give consideration to your specific needs and requirements, applying industry-wide standard systems.



Digital plant maturity degree model

Our digital maturity degree check gives our customers an idea of their level of digitalization.



Level 1

Pre-digital plant

- Digital silos**
- Islands of automation
 - Some manual processes

Level 2

Connected plants

- Vertical integration
- Paperless production

Level 3

Level 4

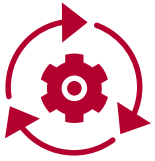
Predictive plant

- In/online quality testing
- Integrated real-time process analysis

Level 5

Adaptive plant

- Full end-to-end chain value integration



CONCEPT DESIGN AND CONSULTING

We will support you right from our first meeting. Together, we will develop concepts allowing your needs and requirements to be optimally satisfied while giving consideration to technical, commercial and process engineering aspects.

MES

- Definition of requirements
- System evaluation
- Prototyping
- Change management
- Vertical integration concepts

Updates and expansions

- Systematic identification of existing control systems
- Creation of planning documentation
- Concepts for integration of existing and new systems
- Risk-and-hazard analyses
- Cost-to-benefit analyses

Project initiation

- Identification and structuring of customer requirements
- Development of studies and concepts
- Creation of cost estimates

General consulting services

- Identification of current conditions
- Expert assessments
- Master planning
- Process and energy optimizations
- Proposal of solutions and variants

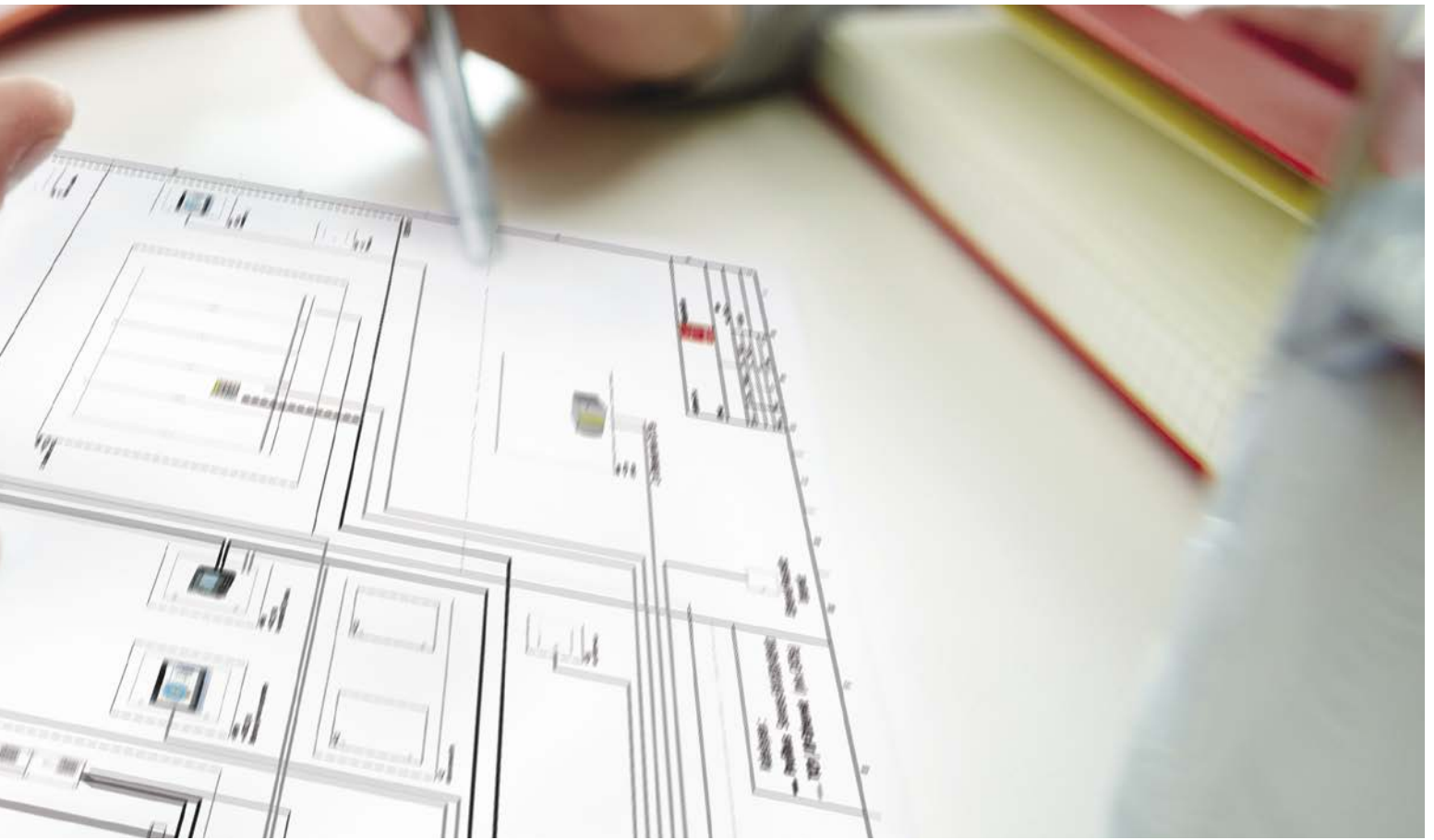
Project implementation process





ELECTRICAL ENGINEERING

We give careful consideration to your specific requirements, developing the electrical engineering solution optimally matched to your individual needs. Our name is synonymous with mature automation solutions in the fields of industry and public infrastructure.



Project management

- Job analysis, concept design and development
- Consulting and planning
- Electrical engineering based on customer-specific guidelines and international standards (EN, IEC, UL/CSA, ATEX, British Standard, etc.)
- Improvement of plant uptime
- Energy management

Documentation

- Creation of implementation and manufacturing documentation
- Circuit diagrams, wiring diagrams, 2D and 3D switchgear design
- Electrical installation engineering
- Bills of materials and equipment lists
- Safety information, risk analysis and appraisals
- Documentation of heating, insulation characteristics and short-circuit strength of switchgear
- Shipping, operating, installation, maintenance and repair instructions
- Declaration of conformity, CE marking

Quality assurance

- Assurance of personal and plant safety
- Wiring and installation instructions
- Monitoring of manufacturing processes
- Test and acceptance documents

Customer service

- Support and technical help desk
- Spare parts, accessories, expendable materials and repairs
- Training

CAE systems

Project management tools:

- EPlan Electric P8
- EPlan Pro Panel
- EPlan 5.x und 21



SOFTWARE ENGINEERING

Concept design

- Advice on and planning of new plants, updates and expansions
- Implementation concepts for vertical integration across all levels of the automation pyramid
- Automation concepts with design of bus and network structures
- Creation of operating concepts for fixed and mobile terminal units

Project management

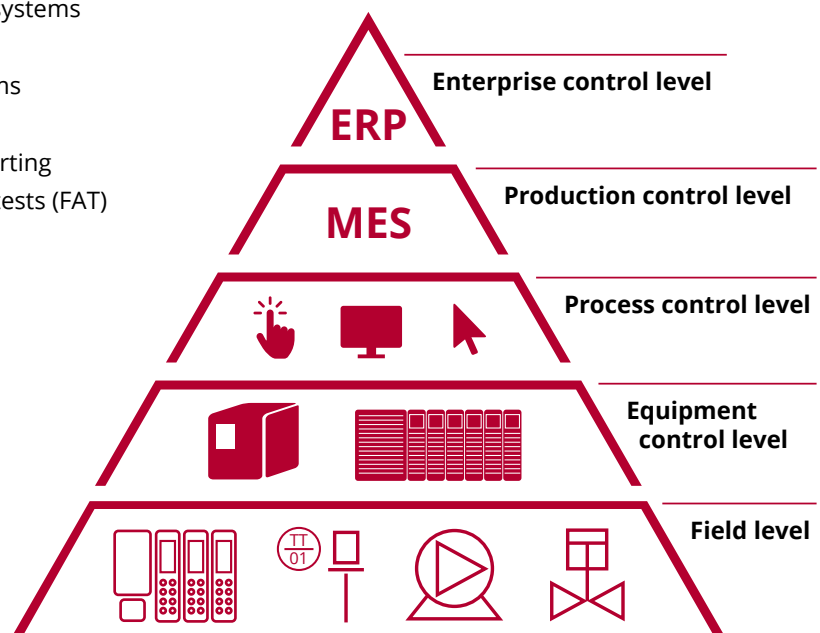
- Programming of PLCs and high-level languages
- Visualization and process control systems
- Interfaces with third-party control systems
- Integration of MES systems
- Interfaces with MES and ERP systems
- Database applications
- Traceability, data analysis and reporting
- In-house tests, factory acceptance tests (FAT)

Customer service

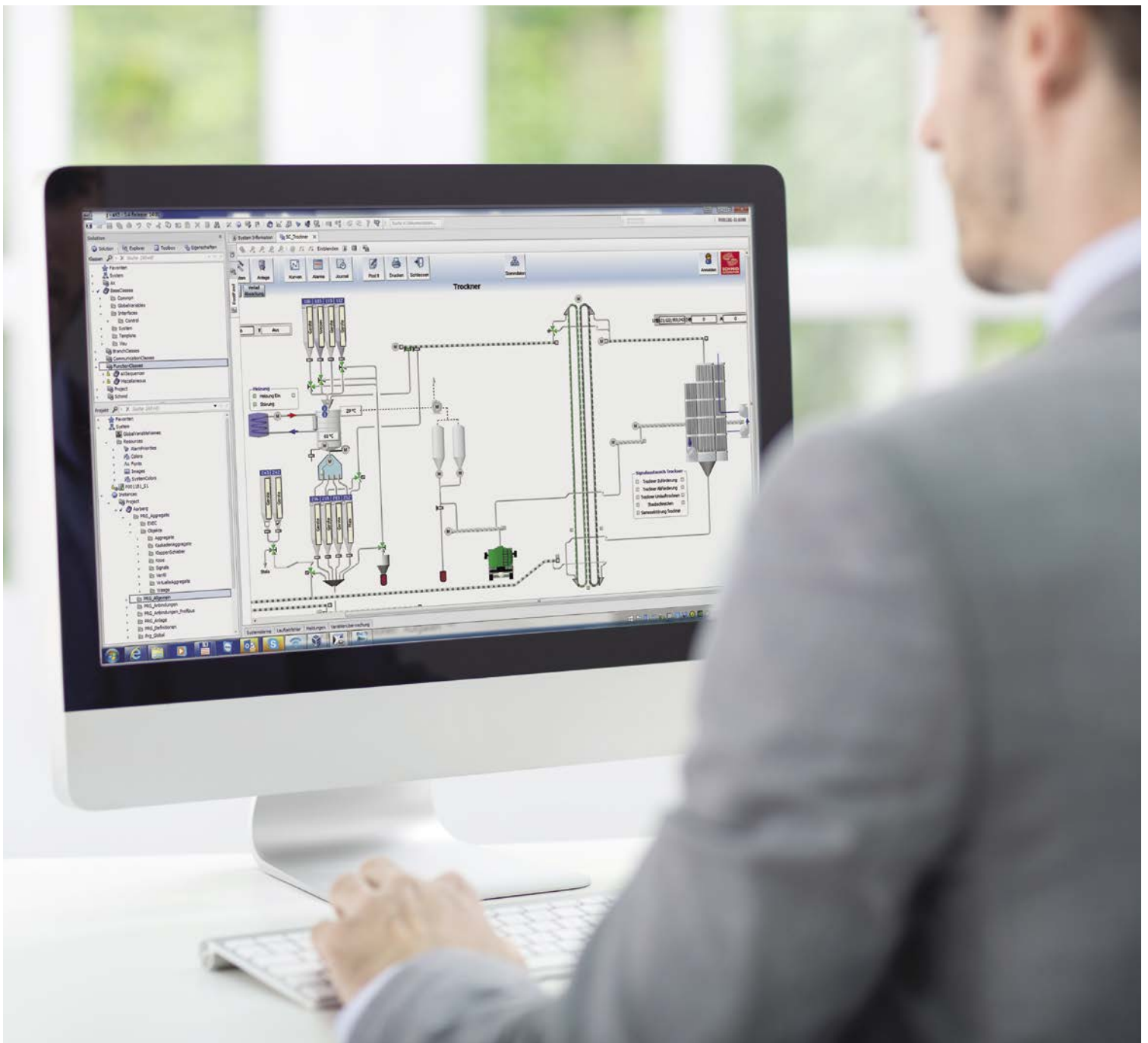
- Coaching after start-up
- Support, including via remote access
- Spare parts, accessories and repairs
- Training

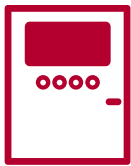
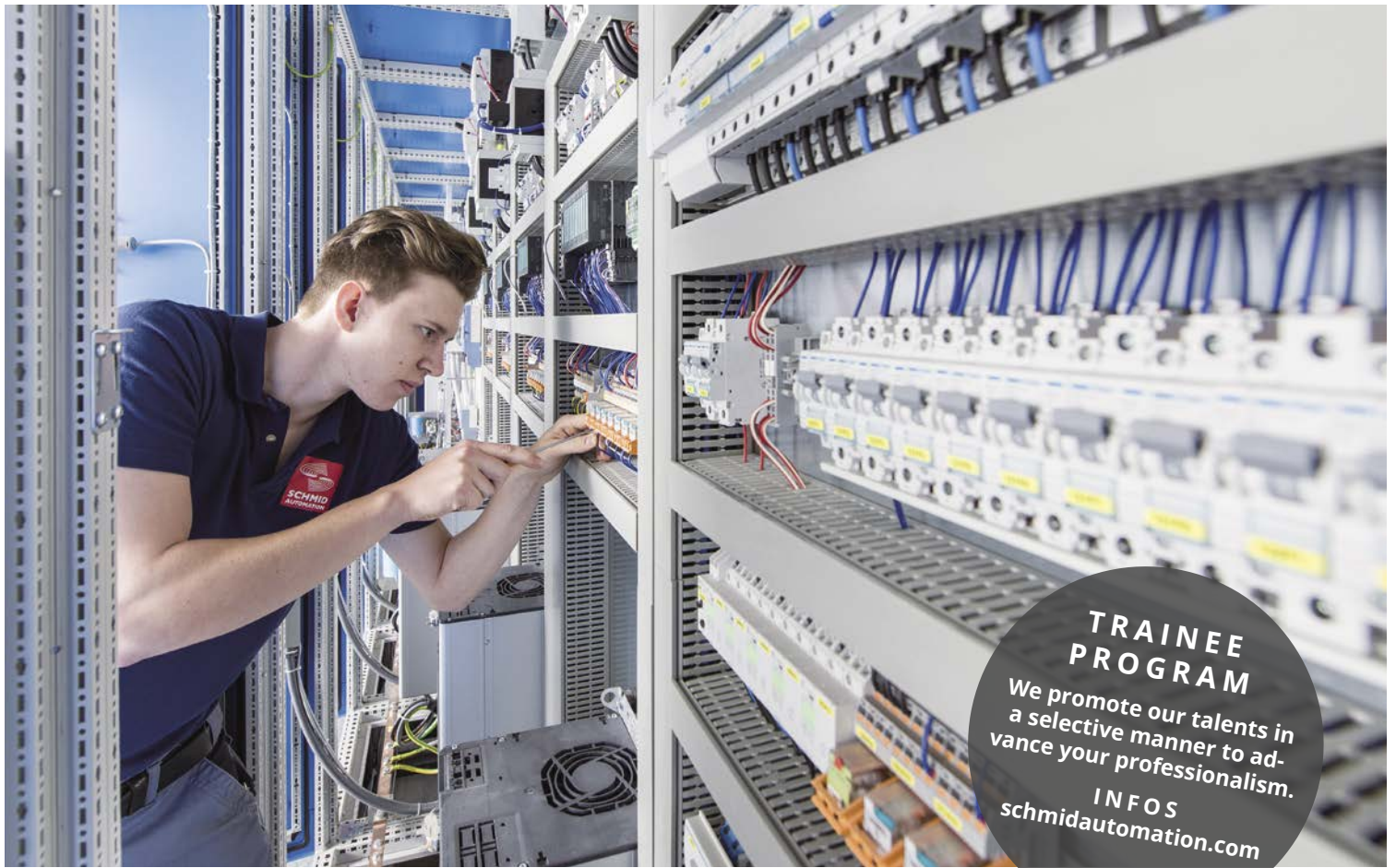
Standard systems

In our work, we apply standard industry-wide systems, including Siemens, automationX, ProLeiT and Rockwell Automation.



As an independent system integrator, we will develop the solution optimally matched to your specific needs. We will develop software concepts for you and implement them in the system of your choice.





SWITCHGEAR AND CONTROL PANELS

Manufacturing

Giving consideration to customers' specific needs and requirements, we design and build switchgear combinations for industrial plant and equipment as well as for low-voltage distribution. This comprises everything from one-off production and prototyping to quantity production.

- Customized small production runs up to complete systems
- Energy distribution systems for industry, public distribution networks and transformer stations
- Rebuilds and plant expansions
- On-site installation, wiring of plant and equipment

By using state-of-the-art CNC machining centers integrated with our CAE electrical engineering system, we can ensure short cycle times in conjunction with top precision and quality.

Standards, guidelines and quality assurance

Our switchgear combinations are designed and constructed to all common national and international standards.

- Low-voltage switchgear combinations to EN 61439, including design and parts documentation
- Machine safety to EN 60204-1
- Low-voltage installation standard NIN 2015

Export to the United States

- UL 508A: Standard for Industrial Control Panels
- NFPA 70: National Electrical Code (NEC)
- NFPA 79: Electrical Standard for Industrial Machinery



LOCAL SERVICES

Customer satisfaction is our top priority. In order to ensure it, we attach the utmost importance to partnering with you.

Rebuilds, assembly and installation

- Updates and expansions
- Industrial electrical installations worldwide
- Installation supervision, technical coordination

Customer service

- Training
- Service and maintenance

Start-up

- Implementation and system test
- Signal test, performance test
- Parameterization and start-up of MSR technology
- Start-up
- Production support
- Fine-tuning
- Quality assurance
- Acceptance tests



HISTORY



1958

Company established with headquarters in St.Gallen, Switzerland

1975

Focus of activity centered on process automation

1989

Establishment of subsidiary in Augsburg, Germany

1995

Acquisition of activities of Filtrox Automation department

2008

Entry into the US market. Adoption of UL standards and programming of Rockwell control systems in our portfolio

2018

Strategic reorientation with a focus on all industries regulated by the food and drug administration authorities

LOCATIONS

Benefit from our experts' vast know-how and our specialization in complete single-source solutions.

Location in Switzerland

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Moosmühlestrasse 8
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T: +41 71 272 33 33
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schmidautomation.com

Location in Germany

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86150 Augsburg
T: +49 821 3291 010
info@schmidautomation.com
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