



Your partner for
industrial and process automation



RETEL Neuhausen AG

Engineering · Software · Automation



Company



Philosophy

**Because we pay attention to detail,
we are able to find optimal solutions.**

We ensure a professional approach

Our team is made up of experienced, skilled staff: electrical engineers, software engineers and process automation specialists. Experience from successful past projects shapes the quality of our work.

We love what we do

And we live it – in the quest to find optimal, customer-oriented solutions with clear concepts. We are used to accepting responsibility – and we are happy to accept it.

We are loyal

As neutral advisers, we are independent of manufacturers and suppliers. Our total potential of commitment and experience is there for our customers – ensuring that you achieve what is important for you.

We are open-minded

We pay close attention to our assignments and listen attentively to our business partners.

Facts

- Quality management in accordance with ISO 9001
- Wide range of interdisciplinary expertise
- Internal training management
- Experience in a regulated environment
- Electrical and software engineers
- Successful projects inside and outside Switzerland



Standardized solutions / products



GMP monitoring

Our GMP monitoring system provides our customers with a turnkey solution to meet extremely diverse requirements for recording and evaluating any physical variables. The GAMP-conformant system satisfies high demands in a qualified environment and complies with the latest official/regulatory requirements, including FDA 21 CFR Part 11/EU Annex 11.

Control system upgrade / Retrofit / Revamp / Migration

Upgrade of existing production lines with the latest automation systems. We can handle projects as general contractors, from concept to commissioning, including calibration and qualification.

Software package for plant and machine control

Standardized, modular software package with intuitive MMI to implement plant control systems. Value-for-money implementation of extensive functionality including process visualization, trend recording, recipe management and batch reporting.

Services

Engineering

Consulting in automation and process control systems, concepts for technical software and data processing, evaluation of alternative solutions, preliminary projects, project tenders.

Software

Creation of programs for industrial applications, control and data recording for production lines. Specialized software with a modular program concept, based on standardized modules. Extremely short implementation time. Control of flexible production systems (recipe management).

Process automation

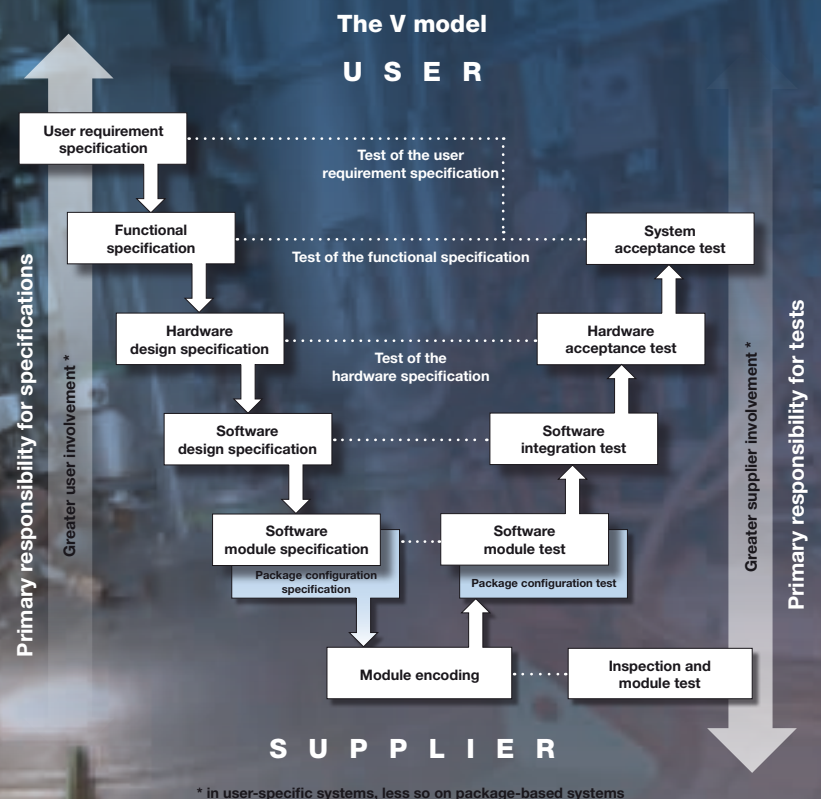
Automation of production processes (process engineering), planning, installation and instrumentation of production lines, installation supervision and commissioning, PLC programming.

Qualification

Our company meets all the requirements to allow us to qualify and validate production facilities. Creation of documentation in accordance with GMP and ISO 9000. Our validation concept is based on the V model of the current GAMP of ISPE.

Maintenance

Our company has highly trained staff and is fully equipped to ensure the repair and maintenance of existing industrial facilities at value-for-money rates.



Industry and process know-how



Pharmaceuticals and healthcare industry

- Compounding systems (sterile/non-sterile)
- Cleaning systems/CIP systems
- Fluid bed systems
- Driers
- Homogenizers/mixers
- Monitoring/data recording
- Clean-room particle monitoring



Fine chemical and chemical industry

- Reactors
- Filter driers
- Vacuum drying cabinets
- Centrifuges
- Neutralizations
- Infrastructure, e.g. HVAC system

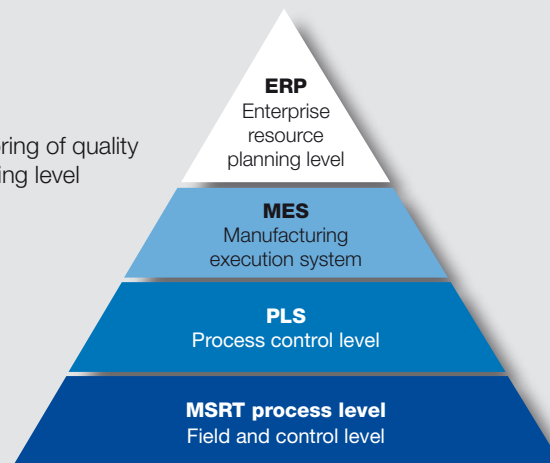
Expertise on all levels of the automation pyramid

Integration of process data for optimal control and monitoring of quality and business processes on the enterprise resource planning level

Provision of process data to optimize production and manufacturing planning

Process control levels with user-friendly operation, recipe management, diagnostics options and reporting

Closed-loop control and control of production processes, with data acquisition



We work in compliance with the following legislation and directives:

- CE conformity
- EN 60 439-1: Low-voltage switchgear
- EN 60 204: Electrical equipment of machines
- 2006/95/EC: Low-Voltage Directive
- Equipment and production safety in accordance with 14th Ordinance to (German) Equipment and Production Safety Act (14. GPSGV)
- Safety of technical plant and equipment in accordance with Swiss Ordinance on the safety of technical plant and equipment (STEV)
- Safety assessments in accordance with EN 62061/EN ISO 13489-1/IEC 61508
- GMP/GEP Guidelines
- Data security in accordance with EU Annex 11 and FDA 21 CFR Part 11
- Qualification to GAMP5 of ISPE



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