



Software, Engineering & Services

Simplify your processes with innovative and tailor-made automation and software solutions.

Use your time for your core activities – your challenge is in good hands.



«We need an automation solution that allows us to thoroughly trace all data flows at any time.»

«I am looking for a software solution that facilitates our complex tasks for me and my employees, and that can be used sustainably.»

«In addition to software development, our partner must also be proficient in sensor and measurement technology.»

Do these or similar needs seem familiar to you? We help and support you from A to Z with individual, innovative and economical solutions.

Our expertise ranges from system and device development to software development. With our high level of expertise and specialists we build bridges between research and industry.

Our customers and partners in the fields of automation, system and measurement technology benefit from our promise – so can you!

Our promise to you

Efficient projects

utilising lean structures and flexibility, with the help of specialists in consulting, design and programming, as well as in implementation.

Simplified processes

thanks to our fast and reliable support. We support you on site at short notice.

Quality assurance

you can trust your automation solution, due to adherence with your QA criteria and our transparent development processes.

Time for your core activities

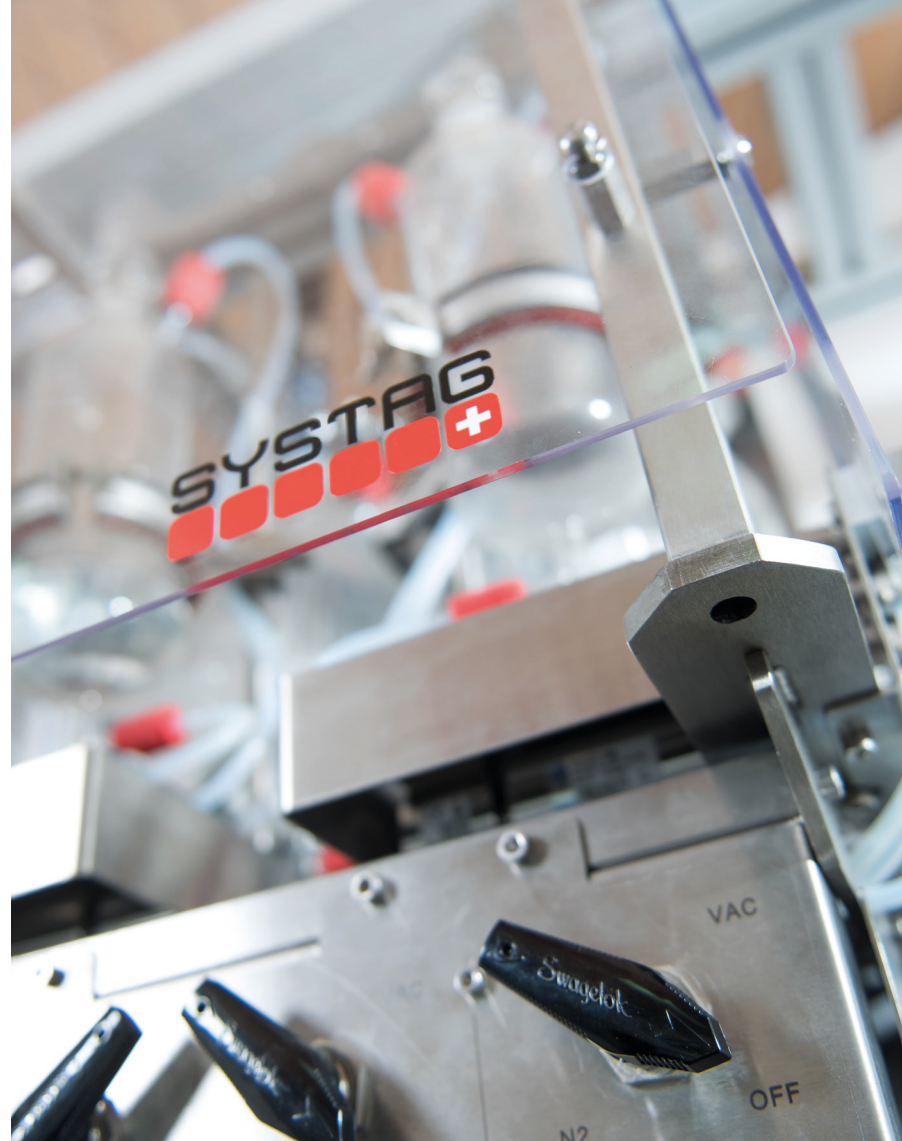
facilitated by automation and software solutions that are easy to operate and maintain and that meet your requirements.

Increased productivity

based on concepts tailored to you and your needs.

Expanding your know-how

with our experienced and dynamic scientists from the fields of process engineering, electrical engineering and natural sciences. Our experts provide the necessary innovative power in problem solving.





**Quality means that our
client is 100% satisfied,
only then are we also
satisfied**

Marcel Haugg, CEO SYSTAG



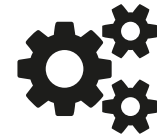
Our individual, innovative and economical solutions go one step further than common basic or standard solutions.

For more than 50 years, SYSTAG has been pursuing the goal of enabling customers to simplify processes and to allow them to focus on their core activities.



Through highly educated, long-term employees we are your continuous and dependable contact when it comes to engineering projects.

Thanks to comprehensive know-how in the fields of natural sciences, process engineering and electrical engineering, we make everyday life easier for specialists in automation, measurement and systems technology.



Combining scientific work with the manual processes is our speciality. Lean, harmonious structures enable us to offer you fast, high-quality prototypes and solutions effectively, while adhering to deadlines and costs.

Every challenge calls for an individual and scientific approach.

Our approach

Consulting and design

As a basis for success, we attach great importance to individual consulting and innovative concepts tailored to your challenges.

Programming and implementation

Our specialists in software development and project planning work transparently and ensure adherence to deadlines and cost efficiency.

Support

Should you have a production problem, our specialists will be on site within a few hours to ensure efficient and proactive problem solving.

Our values

Integrity

We work with integrity and adhere to your requirements and guidelines.

Quality

Quality means that you are 100% satisfied, only then will we be satisfied too.

Liability

We keep our promises, because you can rely on us.

Communication

We communicate openly, clearly and purposefully.





«The scientific approach, together with the practical implementation convinced me.»

Martin Ritterath, Leiter Software, Engineering & Services, SYSTAG

ETH Zürich

Collaboration with ETH Zurich for the development of improved laboratory measurement technology

Challenge

Simplification of measurement and control technology as well as data evaluation and interpretation by means of new sensors.

Solution

By creating close-to-production prototypes according to predefined specifications, clear project results can be achieved and checked for

feasibility. These findings further advance the development of laboratory measurement technology.

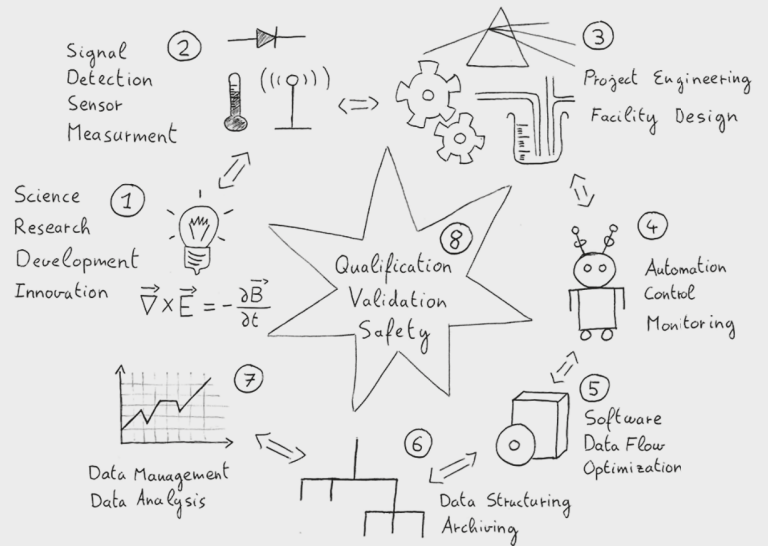
Our contribution

As an established manufacturer and supplier of automated laboratory reactors and calorimetry measuring instruments, SYSTAG is a developmental partner of ETH Zurich. SYSTAG manages and con-

trols collaborative projects with determination and provides the necessary infrastructure for development.

Through clear documentation of the results, continuous improvement and innovation, SYSTAG is able to create efficient transfer of knowledge between academic and business environments.

Everything from a single source for your personalised solution





Pharmaceutical production plant

Open, modular process monitoring and process management system to fulfil customer benefits and customer needs.

Challenges

Parameters for material flow and procedures of several production lines in a plant are to be recorded automatically. The system must be state-of-the-art and modular to allow future expansion.

It is important that new production lines can be connected to the same system in the future.

Solution

The machinery is managed and monitored with a modular system consisting of iFix, SQL, Access and VB6 software. This solution enables the plant to constantly take new requirements and specifications into account, and to continuously improve the system. This continuous improvement process has provided investment protection for the pharmaceutical production plant for 25 years.



«Thanks to SYSTAG, I no longer have to worry about process logging and technical problems. I now have time for my core activities.»

Armin Friedel, Plant Automation Engineer in pharmaceutical production

Our contribution

SYSTAG takes on the design of the modular, custom-made process monitoring and management system with functions such as

- Seamless monitoring of material flow and elimination of mix-ups
- Creation and management of formulation recipes
- Access control and user administration
- Logging of alarms and manual interventions

- Logging of production batches, including quality relevant set and actual values
- Connection to a central data archiving system

In addition, SYSTAG documents the system in detail and provides the customer with complete insight into the source code. Ongoing maintenance and care and the integration of new systems are carried out by employees who are

familiar with the customer and the individualized system. SYSTAG is at the customer's side in an advisory and supportive capacity when it comes to system availability and IT security. The production plant benefits from a cost-effective and thought-out solution and is prepared for new requirements in the future.

Dottikon Exclusive Synthesis AG

Development of a system for the parallel screening of high pressure reactions

Challenge

Dottikon Exclusive Synthesis AG requires an instrumental solution for the safe, efficient and fully documented development of chemical processes under high pressure using different active gases. The equipment should be user-friendly and cost-effective in terms of maintenance and, thanks to its compact design, be suitable for use within standard extraction equipment. A high degree of automation provides advantages in terms of efficiency and reproducibility.


Solution

SYSTAG reviewed the system needs in personal contact with the customer, integrated it into a require-

ment specification and then created the controls and operating functions. In order to meet the requirements with regard to the degree of automation, SYSTAG developed a new sampling system in close cooperation with the customer.

Our contribution

SYSTAG accompanied the project from the definition of the specifications, through development, including successful launch with user training. With support from our application know-how in chemical process technology, combined with sound scientific expertise, Dottikon Exclusive Synthesis AG was able to achieve its ambitious goals.

A man with glasses, wearing a grey suit jacket, a white shirt, and a striped tie, is smiling and standing in a laboratory. The background is filled with complex chemical equipment, including glass vessels, pipes, and control panels. In the foreground, there are three white control units with the 'dottikon' logo and 'büchi' and 'uster' branding. The text is overlaid on the left side of the image.

«SYSTAG competently identified our requirements and incorporated them into an innovative, technical solution. This gives us a competitive advantage in our business as specialists in the area of hazardous chemical reactions.»

*Max Bachmann, Head of Processes & Technologies,
Dottikon Exclusive Synthesis AG*



SYSTAG
automatically better

**Do not hesitate to contact us.
We are happy to help you.**

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