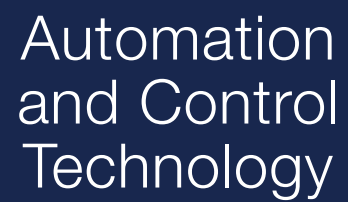


The Zippe logo features a stylized 'Z' composed of two parallel diagonal lines, one green and one blue, followed by the word 'ippe' in a white, lowercase, sans-serif font.

# zippe

right from the start

The text 'Automation and Control Technology' is displayed in a white, sans-serif font, centered within a dark blue rectangular area at the bottom of the page.

Automation  
and Control  
Technology

# innovative solutions

made by Zippe

For many years, Zippe has been one of the leading batch and cullet plant manufacturers and has played a key role in decisive developments right from the start.

More than 650 batch plants have been realized worldwide. The automation and control technology of these plants is an essential element, being responsible for efficient, reliable and reproducible operation of a plant.

For this reason, the development of efficient software and hardware systems has a very special meaning for us. More than 45 professionals implement the latest generation of automation systems – customized solutions as well as fast and effective support (24/7), which is necessary in a modern manufacturing company today.

## Everything from a single source

We offer a Full Service: from the analysis, planning and development of customized automation solutions right up to the assembly, commissioning and integration into your production processes.

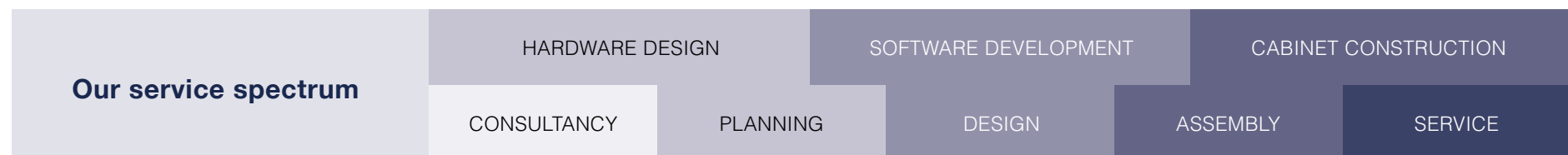
Throughout the development of our joint project you will be advised by the same competent member of staff. He is always at your disposal as your contact person. This enables quick decisions and close contact without loss of information.



Each Project begins with a conversation. First you describe your product, your needs and your objectives. We then show you the possibilities and solutions of how we can achieve this goal together.

Besides project analysis, planning and development of intelligent hardware and software solutions, our range of services also comprises the commissioning and integration of the new control system and the training of our customers.

These systems only work efficiently and reliably when everything is fine-tuned. As a full-service provider, we have a team of specialists available to cover all aspects regarding the automation of your system.



# project management & hardware design

## The interaction of know-how and automation technology

In this phase, our project team evaluates the results from consultations, compares them with your requirements, and translates them into initial system layouts.

In this regard, our project team can contribute its experience and know-how from more than 4000 implemented control systems worldwide.

The results are concrete proposals for the planning of processes, control cabinets, electrical installation, networks and all the necessary documents and specifications for subsequent phases of the project. This wealth of experience ensures that all industry norms and safety standards are anticipated and planned.

## Hardware design

We develop the functions of your plant exclusively using the latest E-CAD software such as EPlan P8. The documentation and production documents are automatically created. An efficient workflow is ensured by using interfaces to our software development. Thus we already create the conditions for maximum effectiveness.

Our services:



Preliminary discussions  
with the customer



Detailed analysis  
of the plant



Project management /  
project coordination



Planning of control cabinets,  
electrical installations, and  
network structures



Preparation of all  
necessary documents

### 900 T/D GLASS PLANT – GERMANY 2022

High-tech container glass production with a capacity of 900 t/d. For this green field plant, Zippe supplied the controls for the raw material feeding, dosing, weighing, mixing and transport for two furnaces and for the cullet processing plants. A PCS7 process control system was employed. A redundant network structure as well as redundant servers ensure maximum system availability and operational reliability.



# software development

## Innovative and efficient software solutions

Efficient software and its optimal system integration are crucial components in automation and control technology. Because only the right software creates the optimal function that ultimately creates added value.



We utilize components according to customer specifications for flexible automation

## full integration

The ergonomic visualization of complex manufacturing systems is one of our core competencies. Our process control systems are fully integrated and interact directly with your plant.

The visualization includes, among other things:

- Central process visualization and monitoring
- Overview of complex processes
- Resources management
- Monitoring of running time, limit values, maintenance cycles
- Logging of events

and much more.



System tests before delivery guarantee reliable operation of the plant.

### Our services:

1	Developing automation software (Siemens, Rockwell, Schneider, ABB, etc.)
2	Development of process control systems (WinCC, Citect, RSView, iFix, etc.)
3	Planning of communication concepts and bus systems
4	Software testing before delivery
5	Development of database applications
6	Interfaces for higher-level systems
7	Remote maintenance connection for Teleservice

# weighing solutions

## for automated scale application

The command center of your plant



We integrate modern weighing technology into your production process.

For the control center, we offer control cabinet solutions precisely tailored to your plant. During assembly, we rely exclusively on high-quality components from our system partners.

You have access to the various functions of your plant via integrated control panels and receive status reports in real time.



### Weighty components

Zippe also specializes in weighing system solutions. Due to our many years of experience in the development and integration of precision weighing technology, we can also meet special requirements in a competent and reliable manner. Belt weighers, hopper scales, revolving hopper scales and micro scales are some of our standard applications.

### Weighing electronics

Weighing electronics especially designed for the bulk material industry provides our customers with maximum flexibility. The customer decides between weighing indicators and weighing modules that can also control dosing processes independently. We find the right solution for each application.



# modernization

Make your system even more efficient & sustainable



We offer modernizations precisely tailored to your needs, which upgrade your systems and assure their future. We will, of course, also support you with the parameterization, adjustment and optimization of your system.



Upgrade on the run – often during production.



There is no limit

If you want to make your new system even more efficient and convenient, you can expand it with numerous new features.

- From modern operating concepts of redundant servers to mobile operating devices
- Remote access according to the highest safety standard
- 24x7 support with remote maintenance
- Reporting and analysis functions for continuous optimization of the plant
- Link-up to subordinate systems (e.g. ERP)
- Integration of new functions for monitoring, diagnostics and maintenance

## case study

### 850 T/D GLASS PLANT – GERMANY 2021

Modernization of the existing control of a float glass plant. By upgrading to PCS7 software with a redundant server/client structure and upgrading the weighing technology, Zippe achieved the following results:

1. Increase in availability
2. Update of the software to the latest version
3. Optimization of the operating times
4. Reduction of energy consumption!
5. Link to Zippe remote maintenance solution
6. Increase in serviceability



# rely on us

We keep your plant operational 24/7



Even after successful installation of your new system, we are, of course, ready to assist you and to provide advice. To ensure your ongoing productivity and help you keep your costs in check, our specialists will help you via email, phone and, if necessary, in person at your premises.

On request, we can access your system directly from Wertheim and are able to detect potential problems, make adjustments and take the necessary measures.

Our spare parts warehouse guarantees prompt delivery and ensures that your system continues to run reliably.

To ensure the smooth operation of your plant, we provide you with our 24/7 hotline. If need be, you can reach us anytime and immediately obtain help.

## Ongoing quality – right from the start

We offer the best possible quality in all areas of our business relationship. To explain this, we have introduced a modern quality management system according to DIN EN ISO 9001, which is certified by TÜV CERT.



## Training at Zippe

Our trainees represent a very important part of our staff and many of our employees have completed their training with us. Every year we train young people in the field of electrical engineering. In our training workshop the trainees are let into many secrets by our training management.

We are proud to have been awarded many state and Chamber of Industry and Commerce awards for these programs.

## customer training



As part of control acceptance inspections at our premises, we offer our customers in-house training courses to familiarize them with their plant's control system.

During commissioning, we train service and maintenance personnel as well as the responsible plant operators on site.



right from the start

Zippe is situated less than an hour's drive from Frankfurt international airport in Wertheim, a picturesque old town nestled on the banks of two rivers, surrounded by a beautiful landscape with lush vineyards. With its ornate, half-timbered houses, winding alleyways and charming ambience, overlooked by Germany's largest stone castle, Wertheim has a rich glass tradition, which we are proud to have helped to form. It certainly is worth a visit - as is Zippe. We look forward to seeing you.

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