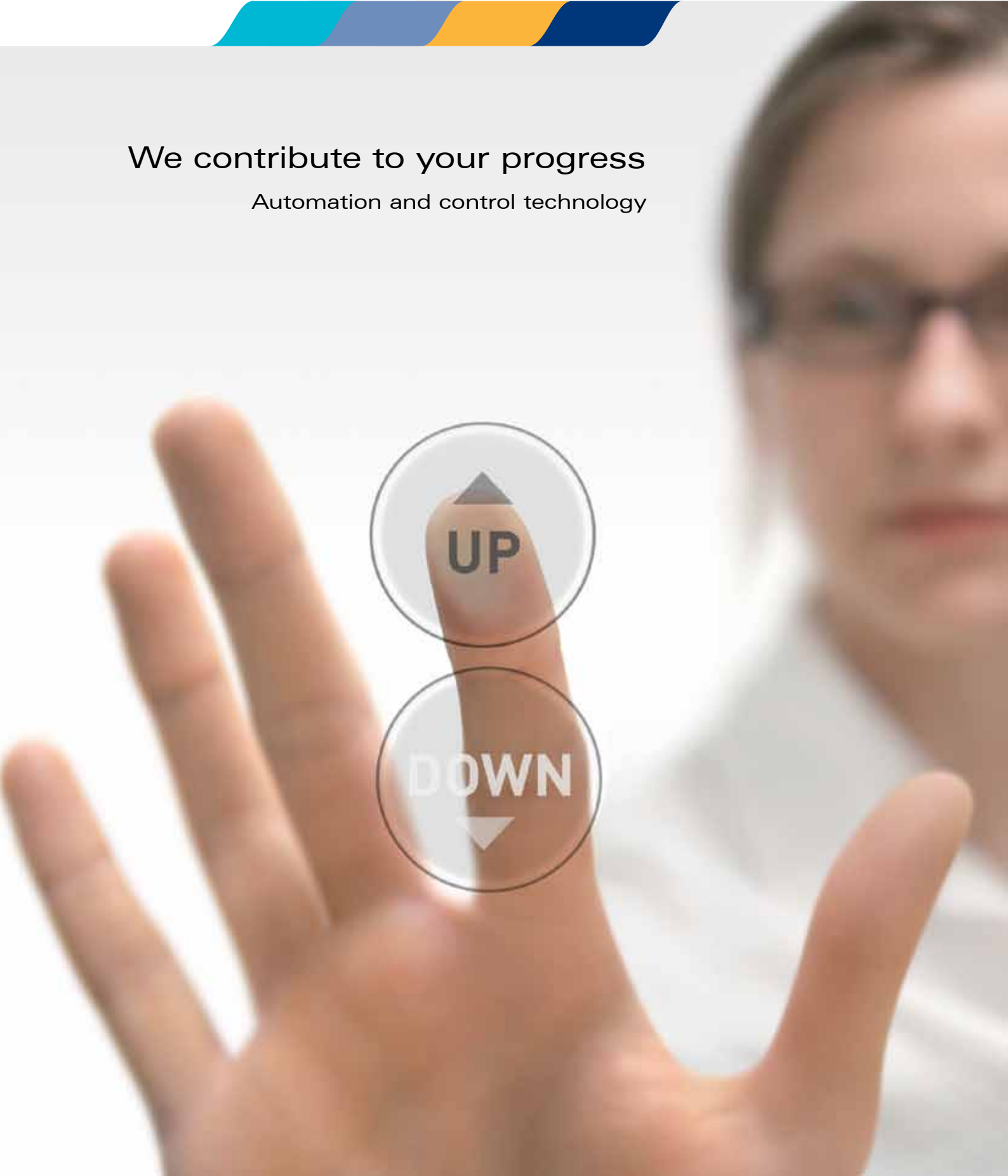


We contribute to your progress

Automation and control technology





Engineering your success

To master processes, develop systems and know exactly what the needs of the customers are: these are the requirements for an optimal design and manufacturing of plants. Our objective is to lead in every field of business we deal with by always exhibiting top performance. We are determined to meet your needs and expectations by developing technologically advanced and efficient systems.

This is why a product, a plant or a complex system designed by Zeppelin will always be one thing – engineered for your success.

Zeppelin – our name stands for willpower, innovation, proven technology and the quest for new challenges. As Count Ferdinand von Zeppelin conquered the sky more than 100 years ago with his legendary airships, the enterprise displayed above all one thing: the conviction that excellence can only be achieved by allowing visions and uniting all forces.

Zeppelin plant engineering – business fields

Polymer Plants

Plants for plastics producers and forwarders

Plastics Processing & Rubber Plants

Plants for the plastics processing and rubber industry

Reimelt Food Technology

Plants for the food, confectionery and bakery industry

Henschel Mixing Technology

Mixers, extruders and compounders

Liquids Processing

Plants for the beverages and pharmaceuticals industry

Silos & Filters

Silo technology and filters

Components

Diverter valves, rotary feeders, separators ...

Service

Assembly, maintenance and spare parts

Perfect solutions programmed to succeed

Which company is best positioned to develop perfect plant controls and automation? Surely the one that builds the plant itself.



At Zeppelin Systems, engineers and IT experts sit next to each other - so the left hand always knows what the right hand is doing and can react accordingly.

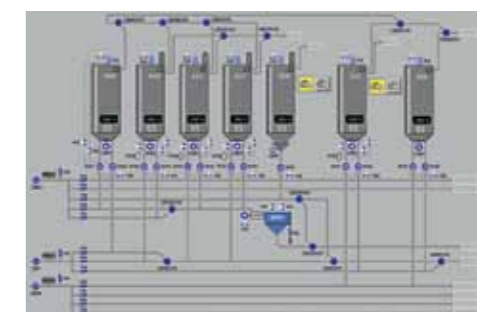
All components of Zeppelin Systems' automation concepts are designed to fit perfectly into the system. Most of our process engineering and control technologies have been developed in-house and offer decisive advantages compared to standard systems. Optimized process control is also based on our own software solutions and offers everything from simple scaling to fully automatic production with connection to the Internet.

If you want something done right, do it yourself!

At Zeppelin Systems, we don't leave anything to chance and we rely on experts we can fully trust: our qualified staff. This is why our control cabinets, among others, are manufactured in-house. The control system is then installed with all components and operating devices and tested thoroughly in our test facilities. Simulation programs take over the functions of the sensor system. Our customers are welcome to participate in the testing phase and simultaneously have their operating and maintenance personnel trained.

See what's going on

In Zeppelin Systems' control stations, standard inflexible luminous circuit diagrams are replaced by state-of-the-art visualization systems. These provide comprehensive process information, comfortable controls for manual mode and easy system operation via Client PC and web browser.

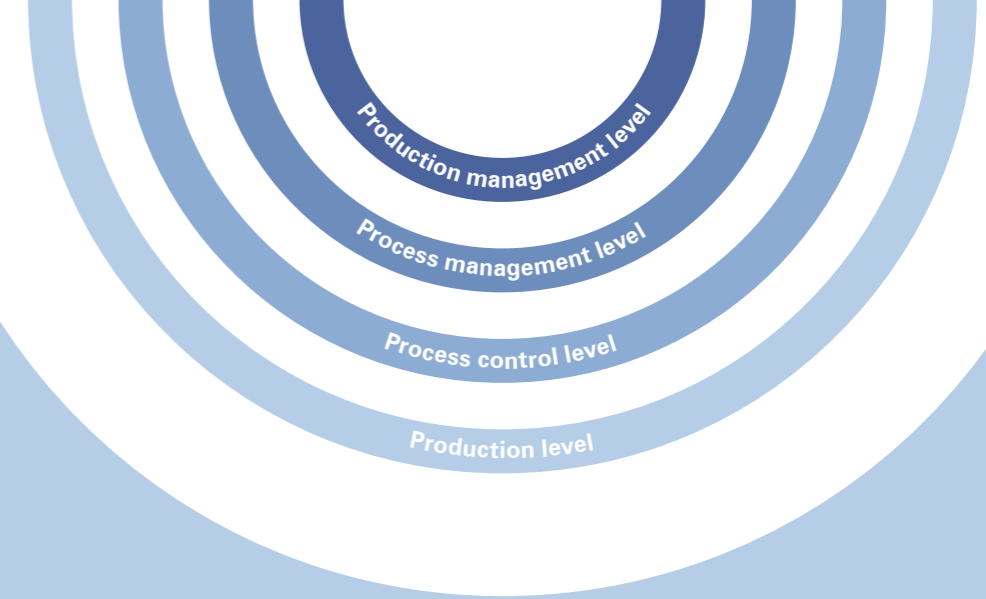




Key component: our people

Despite today's standardization, individual solutions remain in high demand. This is where components play a decisive role. For us the primary key component is our personnel.

The high quality of our control systems is guaranteed by our team of engineers; their flexibility, know-how and total dedication to their jobs contribute to our success. Our team prepares the product requirement specifications, plans and realizes special interfaces, issues functional descriptions, develops controls for special equipment, advises customers, carries out training and solves all other tasks beyond normal standard configuration.



The right program for each level

Zeppelin Systems masters the entire automation hierarchy and can therefore ensure complete process automation.

With PrismaWEB² at the production management level, we supply a batch management system based on state-of-the-art technology that meets every challenge.

For the process management level, we have developed systems designed for recipe management, recording, balancing, visualization, etc.

The process control level is covered by our recipe metering systems and compact water mixing and metering units. These are used in batch and continuous operation.

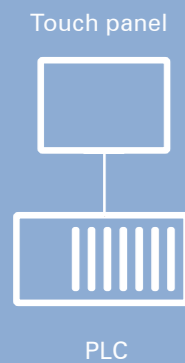
At the production level, our scale value digitizers as well as our compact measuring and evaluation units are used on conveying systems with measuring and controlling capability.

A multitude of positive developments

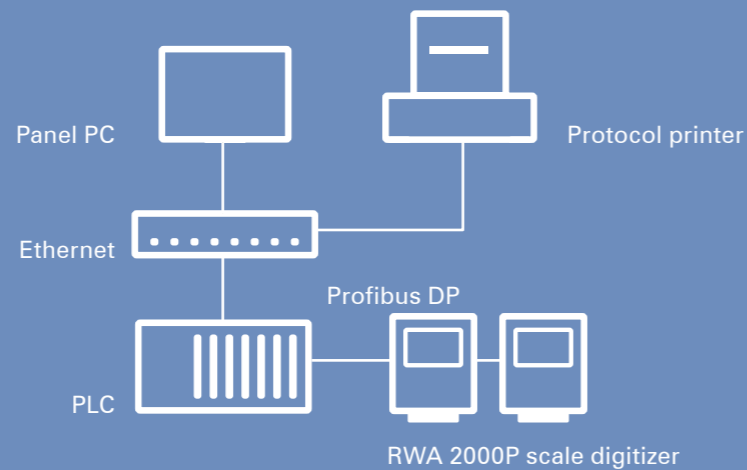
The in-house developments of Zeppelin Systems have a high reputation in the market. Here are three particularly positive examples out of a multitude of products:



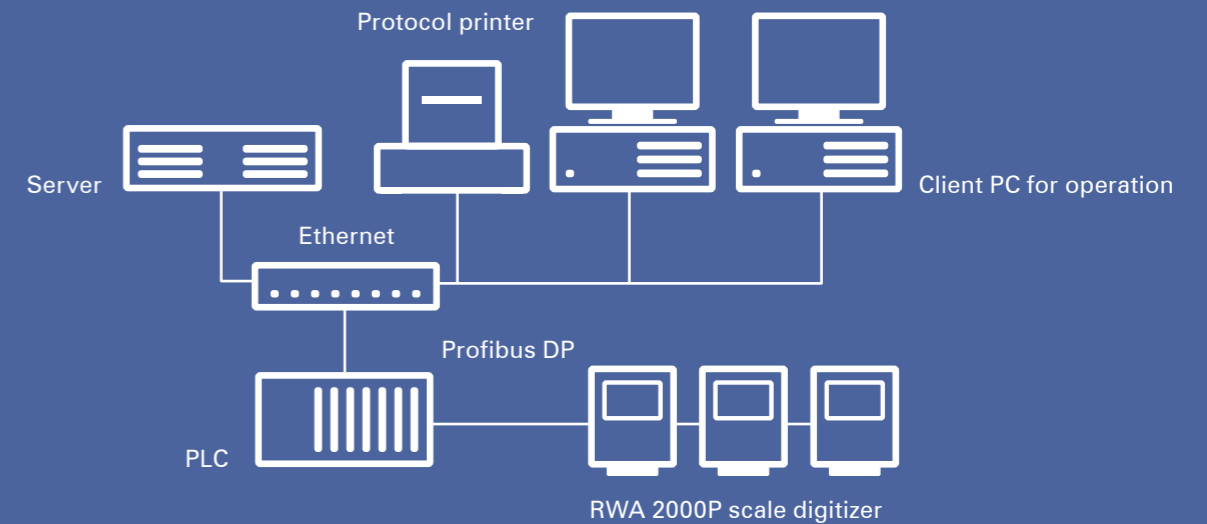
MINT 99



PrismaWEB PE



PrismaWEB² and visualization



Recipe metering control MINT 99

The user-friendly recipe metering control MINT 99 has been developed especially for small and medium-sized enterprises. This control unit serves for the management and weighing of dry and liquid raw materials in strict compliance with the recipe.

The recipe metering control MINT 99 can be integrated without problems and at low cost into the existing system; the individual machines and systems are networked with one another. The touch panel is easy and quick to operate thanks to the intuitive menu control, and individual ingredients or stored recipes

can be modified at any time. Something to rely on:

- » Management of up to 99 recipes
- » Integration and balancing of up to 99 manually added ingredients
- » Automatic dosing of water
- » Recording of all ingredients ensuring strict compliance with the recipe
- » Constant product quality
- » Quantities can be modified at the push of a button
- » Connection of two scales possible
- » Archiving of data on USB sticks

Batch management system PrismaWEB Panel Edition

PrismaWEB PE is a tool for planning, controlling and recording a sequence of individual batches in a production process. It provides optimum support from recipe preparation to the completed process report. PrismaWEB PE is based on the functionality of PrismaWEB² and has been developed exclusively for in situ applications. PrismaWEB PE is operated on a panel-type PC installed in the control cabinet door or from a control station, and allows access for up to two additional client PCs.

Batch management system PrismaWEB²

PrismaWEB² is a future-oriented batch management system developed on the basis of the latest Microsoft .net technology. Thanks to the use of open standards such as HTML, XML, OPC and SQL, it can be easily integrated into existing IT infrastructures.

The PrismaWEB² web-based batch management system pushes the limits of modern production controls. PrismaWEB² can do far more than usual standard systems and provides Manufacturing Execution System (MES) functions such as batch tracking and warehouse management. This total production process transparency has become a basic requirement in all industrial sectors for securing your position in the market.

Multi-level production processes are no challenge for PrismaWEB². Pre-mixes can be managed as separate recipes or as part of the main recipe, and manufactured in advance while keeping control of the total required quantity based on the production plan. PrismaWEB² supports the use of systems for the exact identification of raw materials and equipment such as bar code and RFID (Radio Frequency IDentification) technology to ensure traceability of raw materials and batches.

The data base allows direct evaluation of the collected data or transfer to higher level systems such as ERP systems (e.g. SAP) via individual interfaces.

Everything for our customers



Second to none technology
The people at Zeppelin



You can rely on Zeppelin Systems' first-class service.

Our job doesn't end with the design of your plant; we also carry out the assembly and commissioning – all over the world. We offer training for your personnel as well. This includes qualified instruction in process engineering, proper maintenance and reliable and safe operation of the control technology. You can also rely on us for the development of safety standards.

Maintenance work, inspections and repair as well as spare part delivery are naturally part of our scope of services.

Whether partner, supplier or entrepreneur – it's the people that make a difference. Zeppelin values teamwork within the global network, in collaboration with our customers or in one of many project groups that actively contribute to our common success.

Outstanding technology alone does not make you internationally successful in plant engineering. For that, you also need employees that are able to meet the local requirements and make use of our worldwide expertise.

Therefore you will find Zeppelin at any place where functionality and reliable operation are highly valued: in every corner of the world.

Global presence

- » Belgium
- » Brazil
- » China
- » France
- » Germany
- » Italy
- » India
- » Korea
- » Russia
- » Saudi Arabia
- » Singapore
- » United Kingdom
- » USA

**Zeppelin Systems GmbH
Automation**

Messenhäuser Str. 37-45
63322 Rödermark
Germany

Tel.: +49 6074 691-0
Fax: +49 6074 6031
Email: automation-systems@zeppelin.com
www.zeppelin-systems.com