



## **Evolution of Technology**

Customised technology for pharmaceutical and biotechnological plants



### **The Greek letter ZETA**

is a symbol of tradition and perfection of a pioneering alphabetic writing for us. For the first time, it enabled people to render a language in all its facets in writing – it has shaped the relationship of thinking, speaking and writing with a lasting effect.

## Cooperation on the Highest Level

**Together with our customers, we shape the future.  
We realise technology.**

Established in Austria in 1989, Zeta started out to develop production plants for the biotechnological and pharmaceutical industries at the highest level. Today the Zeta Group supplies full-service solutions for plant engineering and construction, automation and installation world-wide – with a constantly increasing market share.

Zeta banks on the benefits of the decision quality of an owner-operated company. We aspire to guarantee our customers cost effectiveness, safety and sustainability by means of

- **an integrated understanding of our customers' requirements and needs**
- **integrated methods/process engineering solutions based on our multidisciplinary competencies and experience**
- **function- and application-oriented design and manufacturing of our process systems**
- **demanding project realisation times kept by means of efficient technological solutions and tightly organised project management**
- **maximum financial and technical project safety**



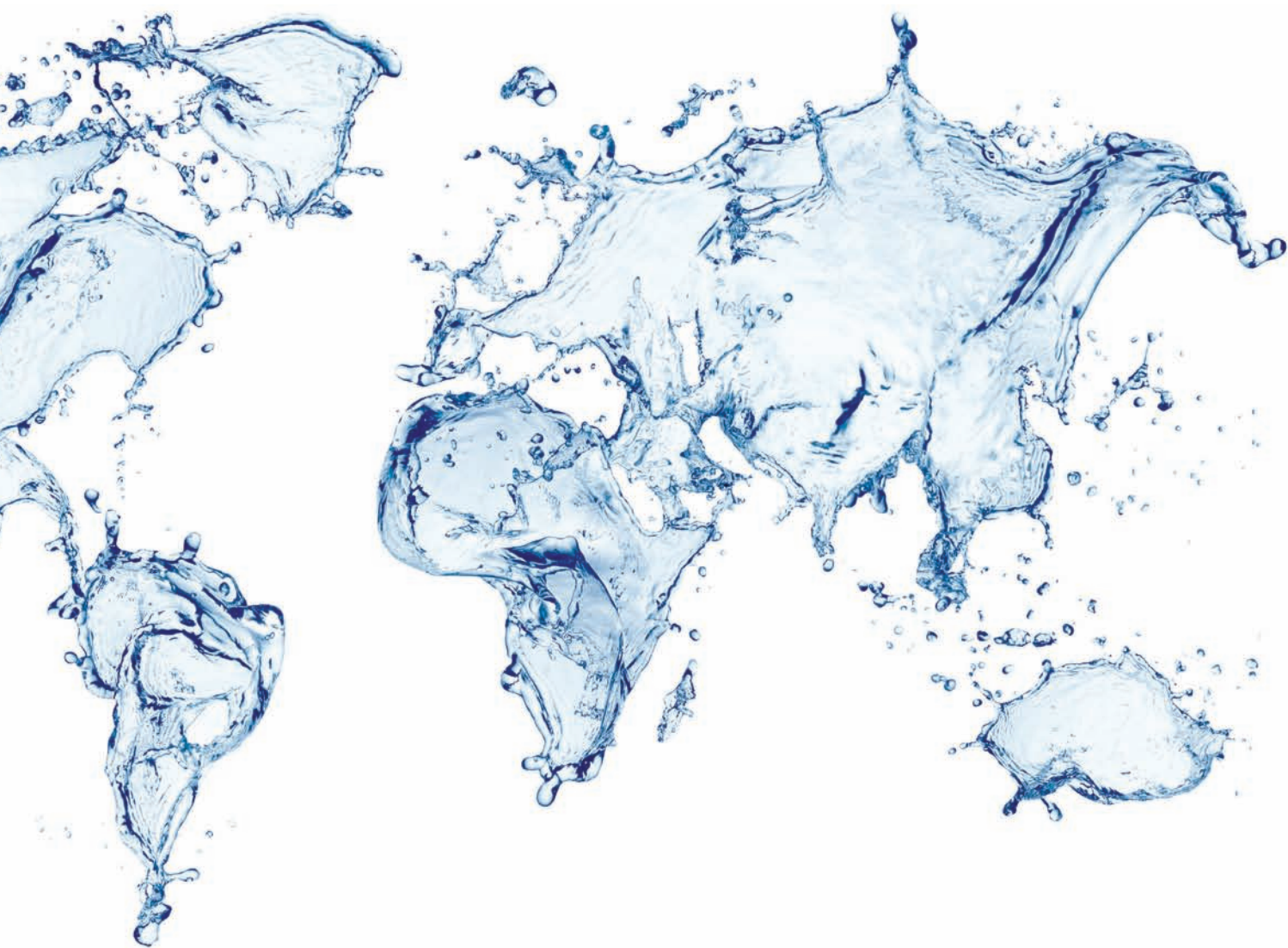
Alfred Marchler  
Managing Director



Andreas Marchler  
Managing Director



Karl-Franz Maier  
Managing Director



**Zeta:**

Zeta Biopharma GmbH, Lieboch/Graz, Austria  
Zeta Biopharma GmbH, Vienna, Austria  
Zeta Automation GmbH, Freising, Germany  
Zeta Automation GmbH, Aesch, Switzerland  
Zeta Alro AG, Rapperswil, Switzerland  
Zeta Biopharma s.r.o., Úvaly, Czech Republic  
Zeta OOO, Moscow, Russia

**Zeta sales partners:**

MERVERS BENELUX N.V., Belgium  
Nordic Engineering ApS, Denmark  
CPI Technology Ltd., Ireland, UK  
IGE Ingenieros sl, Spain  
PharmAseptic, USA  
Rieckermann, Near and Middle East  
Grupa Pharmatech Sp. z.o.o., Poland  
Andgel Industrial (Shanghai) Co., Ltd., China  
Yunsung F&C Co. Ltd., South Korea

## Online with Our Customers World-Wide

### **The Zeta Group serves its customers world-wide: Development, realisation and service from a single source.**

The partnership-based cooperation with our customers begins in the development and realisation phase and continues after the completion of the project. We regard it as our responsibility to offer a professional service for the plants supplied by us over their entire life cycle.

After the successful production and installation of the plants, we are at our customer's disposal for qualification and commissioning. Maintenance, servicing and troubleshooting are performed by our in-house service staff.



### **Our service team offers our customers:**

- Ongoing maintenance and servicing
- Spare parts management
- Service hotline
- Regular calibration
- Software upgrades
- Cleaning/passivation
- Detailed service and maintenance documentation

## Tailor-made Production Plants

As a technology supplier, we are the partner of our customers in the biotechnological and pharmaceutical industries. We realise integrated system solutions for liquids in the field of sterile and aseptic processes.

The increasingly more exacting requirements for modern production plants require solutions with a high degree of innovation, safety and quality. All modular skids manufactured in our company are subjected to a static and dynamic FAT with ultra-pure media (ultra-pure steam, PW and WFI) before delivery.

### Systems & products

- Upstream processing
- Downstream processing
- Preparation & formulation systems
- CIP/SIP & media systems
- Process equipment
- evolution®
- Agitation and mixing technology
- Freeze & thaw systems

### Our services:

- Project management
- Engineering /  
Process engineering
- Production
- Installation
- Automation
- Qualification
- Service



INNOVATION  
SAFETY  
QUALITY

## Cost Effectiveness and Adherence to Deadlines

Factors such as cost effectiveness and adherence to deadlines decide on the success of projects to be realised.

### **One-stop shop**

We supply our customers with all process and operation relevant services and key components for professional project execution from a single source. Our specialists who dispose of many years of experience in all necessary disciplines work on the systematic implementation of customer specifications and project targets derived from them.

### **Use of state-of-the art technologies**

The use of state-of-the art technologies in combination with our tried and tested project management system enables the successful processing of the tasks to be carried out. For Zeta, compliance with national and international norms and standards and fulfilment of the requirements according to GMP and FDA directives are taken for granted.



# AUTOMATION

## “Panta rhei” – Everything Flows!

### Manufacturer-independent, turnkey automation solutions for processing plants.

Automation technology is much more than programming and electrical engineering. In addition to automation technology know-how, this technology requires a qualified understanding of process engineering processes and process plants and extensive experience in the implementation of the requirements.

We offer our customers the entire range of project services ranging from technical clarification and preparing of the functional specification to accompanied production, training and support from a single source:



#### Systems & products

- Process control systems
- Operating systems
- Batch- SCADA server
- PLC controls
- Client server systems
- FreezeController
- Switch cabinet construction

#### Our services:

- Project organisation
- Demand analysis & conception
- Engineering
- Switchgear & electrical installation
- Functional tests
- Commissioning & verification
- Life cycle management
- Service & maintenance



## Automation Made to Measure

### For the pharmaceutical industry

Zeta supplies automation solutions for the entire process chain of modern production plants, from upstream to downstream, from stand-alone single station systems (skid units) to complex central process management systems.

### For the food industry

The diverse processes, for example in a creamery, are customised and tailored for the production of the different dairy products. Consequently the automation of these processes is just as diverse and varied.

### evolution®

For the requirements regarding the automation of production plants, Zeta developed the operation and control concept (process control software) “evolution®”.



# INSTALLATION

## The Experts in Stainless Steel Piping Construction

### Competent specialists guarantee consistent implementation.

Piping installation using high-quality materials demand high standards with regard to quality, especially in the pharmaceutical, biotechnological, food and chemical industries.

Perfect organisation, many years of experience, state-of-the-art equipment and the continuous optimisation of different welding techniques are fundamental prerequisites for the successful handling of a project. We have made it our business to guarantee our customers fulfilment of these requirements by means of highly qualified specialists.



### The portfolio of installation comprises:

- Installation planning
- Piping installation
- Quality control/documentation
- Commissioning service
- Calibration

## Full Service Installation

### Planning and manufacturing of stainless steel components.

The customers take centre stage in all our activities. The portfolio of services comprises the planning, coordination, realisation and documentation of the assembly of process systems as well as quality inspection and commissioning.

In addition to stainless steel structures, frames and special components, we also supply our customers with completely pre-built skids. We assume the organisation of suitable packaging and transportation as well, if required.

At Zeta, highly qualified specialists with many years of experience and an efficient workflow management guarantee the timely and consistent implementation of customer requirements.

#### Lines of business:

- Pharmaceutical & biotech
- Food & beverage industries
- Chemical industry





**As a technology supplier of the biotechnological and pharmaceutical industry, we design, manufacture and install customised solutions for renowned companies around the world.**

- Biopharmaceutical systems
- Preparation and formulation systems
- CIP/SIP- and media systems
- Process equipment
- Sterile plant installation
- Automation solutions
- Agitation and mixing technology
- Freeze & thaw systems

#### **Zeta Holding GmbH**

A-8501 Lieboch/Graz, Zetaplatz 1  
 Phone +43 3136 / 90 10 - 0  
 Fax +43 3136 / 90 10 - 9100  
 eMail office@zeta.com

#### **Zeta Biopharma GmbH**

A-8501 Lieboch/Graz, Zetaplatz 1  
 Phone +43 3136 / 90 10 - 0  
 Fax +43 3136 / 90 10 - 9100  
 eMail office@zeta.com

A-1150 Wien, Graumanngasse 7/B4-2  
 Phone +43 1 / 908 10 00

#### **Zeta Automation GmbH**

D-85354 Freising, Münchner Straße 8  
 Phone +49 8161 / 99 21 - 0  
 Fax +49 8161 / 99 21 - 44  
 eMail info.automation@zeta.com

CH-4147 Aesch, Bruggfeldweg 1  
 Phone +41 61 / 702 11 11

#### **Zeta Alro AG**

CH-5102 Rapperswil, Suhrhardweg 6  
 Phone +41 56 / 624 30 00  
 Fax +41 56 / 566 52 59  
 eMail office-schweiz@zeta.com

#### **Zeta Biopharma s.r.o.**

CZ-25082 Úvaly, Riegerova 12  
 Phone +420 281 / 866 807  
 Fax +420 281 / 866 813  
 eMail office@zeta.com

#### **Zeta OOO**

RU-129626 Moscow  
 Prospekt Mira, 104, Bld. 2, Office 30  
 Phone +7 495 / 721 39 41  
 eMail russia@zeta.com