



we shape it

*flexible*

*efficient*

*competent*

*creative*

*340 years of success and still going strong*

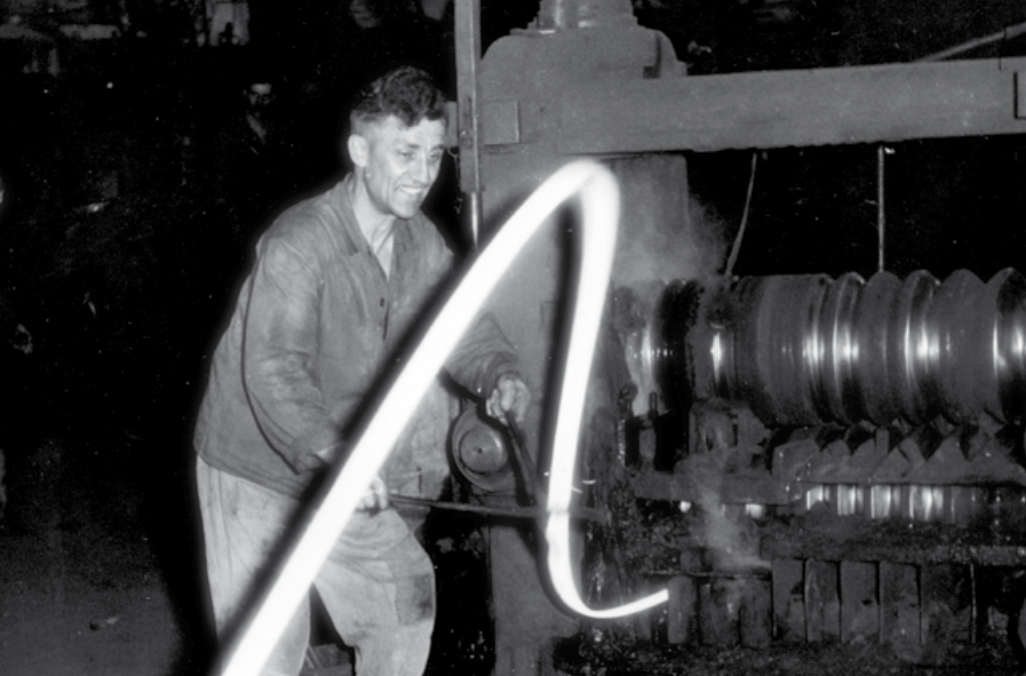
The Helbeck Hammer is founded

1675

Hot rolling mill built

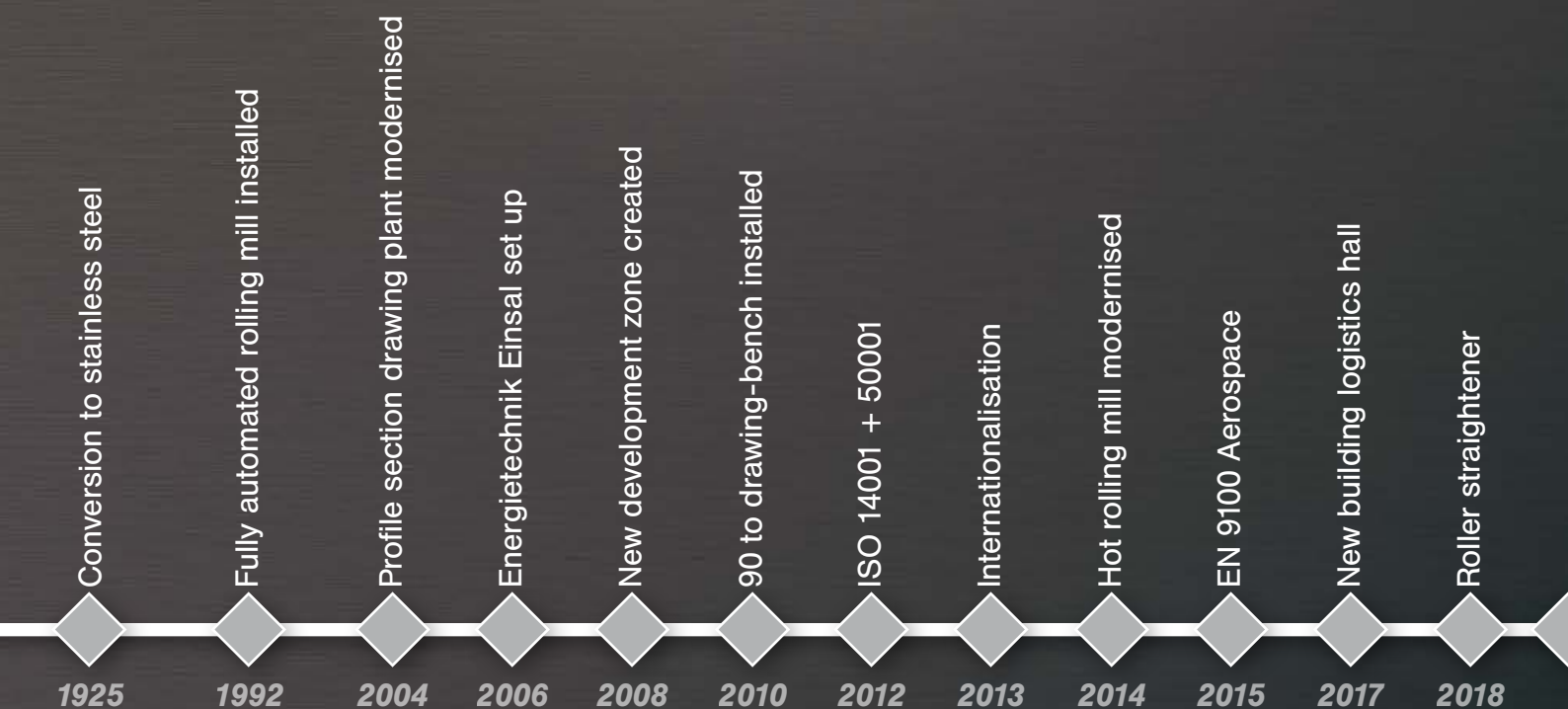
1856





## **Walzwerke Einsal and its origins** A 340-year success story

Helbeck Hammer, the foundations of the Walzwerke Einsal GmbH, was established in 1675. Since then, Einsal has continued to develop – with today's company the result of ongoing investment over the decades. Why not come and get to know us on the following pages? You are warmly invited.



*Walzwerke Einsal today*







## **300 employees** 25,000 tonnes annual output

Any company that can look back on such a long and successful history has always looked ahead and furthered developed. Creativity, efficiency and the willingness to venture something new have made Walzwerke Einsal – with its annual output of 25,000 tonnes – a leader for innovative solutions in the steel and stainless steel industry.

A total of 300 highly skilled and committed employees represent a significant part of that success. As an independent non-affiliated company proud of its small-to-medium enterprise flexibility, conditions are ideal for facing tomorrow's challenges today. Discover our full service package for yourself!

*flexible*

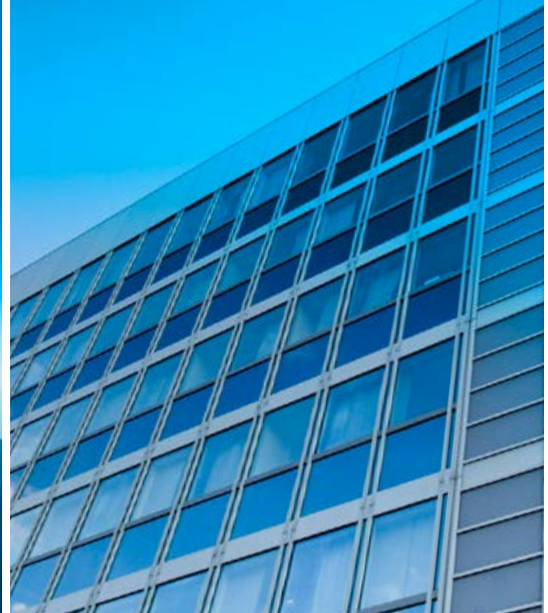
*efficient*

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# *Einsal products in operation*



## **Benefit from our experience**

A series of specific applications have led to the development of special solutions. Productive dialogue with our customers and modern manufacturing technologies lead to optimally tailored products. Here, typical for many other uses, are some challenging areas of application currently served by Einsal products:

Mechanical engineering · environmental technologies · power plant construction · offshore drilling · building industry · chemical industry · medical technology · automotive manufacturing · aerospace · electrical engineering · defence ... and many more.

Einsal products for...

aerospace

environmental

electrical engineering

mechanical

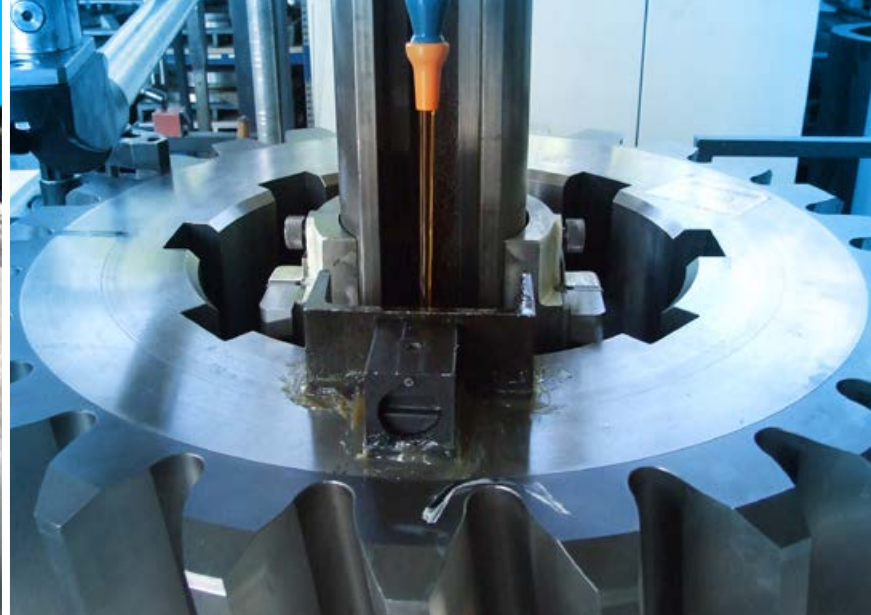
building industry

automotive

power plant

chemical industry



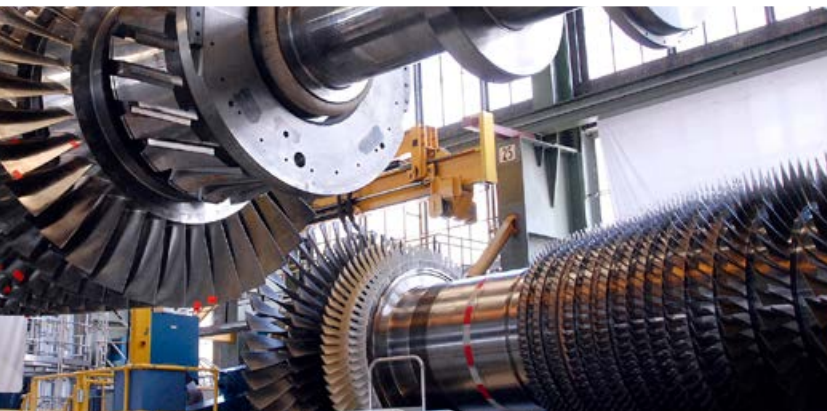


try  
tech  
cal  
on  
onshore drilling  
medical technology  
defence





*Einsal products in operation*



automotive  
aerospace  
environmental technology



offshore drilling  
building industry  
power plant  
chemical industry





# Facts instead of phrases

## flexible

**Wide choice of application-oriented material** · more than 400 possible qualities

**Ind. consulting service** · customer focused support service based on global experience

**Intelligent logistics** · comprehensive supply strategies from input material to finished product

**Appointment flexibility** · short turnaround times also with special needs:  
3,000 tonnes of raw materials always available

## efficient

**Operation-optimised geometries** · ready to use with the tightest of tolerances

**Resource efficiency** · save material and time via individual dimensions

**Tailor-made processes** · perfectly combined from several different methods

**Bespoke batch sizes** · orders from 500 kg possible

## competent

**German production** · well-trained specialists and inland engineering

**Combined reshaping methods** · hot rolling · cold rolling · drawing

**Reproducible quality** · we develop, define and validate processes

**Diverse process technology** · reshaping · heat treatment · adjustment · acceptance testing

## creative

**Product development** · creating novel solutions through close dialogue with the customer

**Development partnerships** · working to target-oriented requirements, tapping new markets

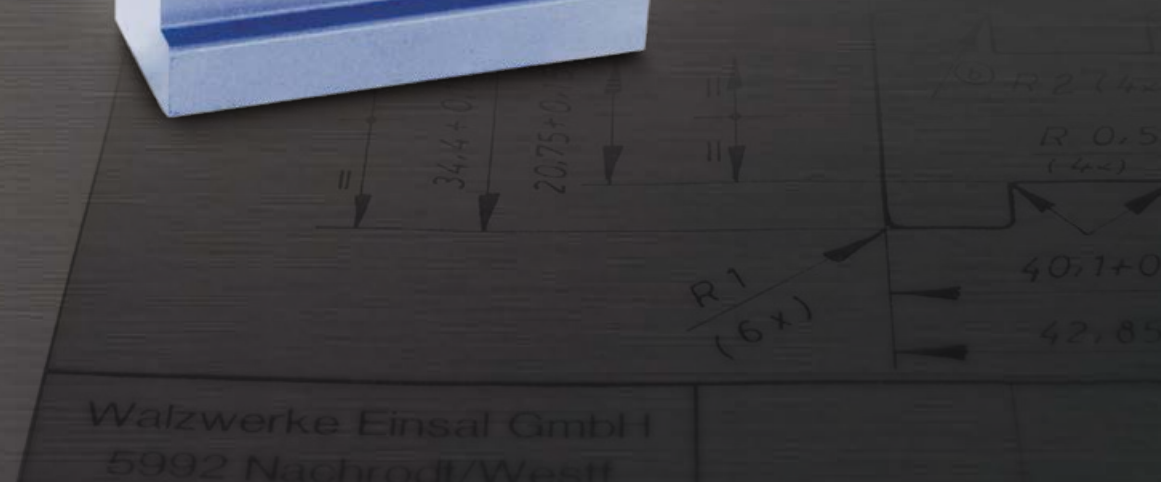
**Metallurgical know-how** · proofed in over 50,000 product variants





# What Einsal stands for ... Flexibility, efficiency, competence and creativity

It's the overall performance package that makes a complete solution out of our products.  
Einsal's uniquely varied range of technical capabilities means that the customers get an  
optimal efficiency for reaching their own objectives and goals.



*The hot rolling mill*







## The hot rolling mill

# The possibilities

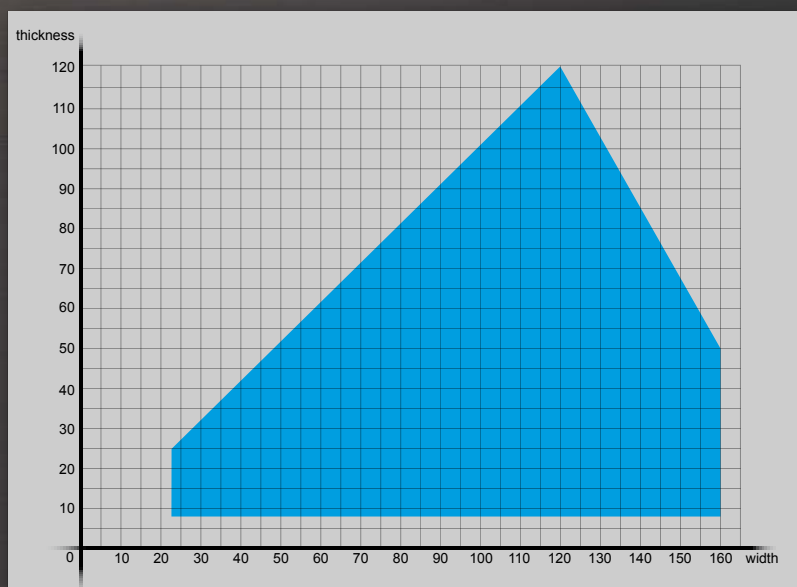
In hot rolling, Walzwerke Einsal can offer different options. Our fully automated rolling mill manufactures rectangular geometries according to customer specifications and, on request, with special tolerances or special mechanical properties as well. For the production of special geometries according to customer's drawings, an integrated section rolling mill is also available.

In addition to design and shape aspects, we provide appropriate heat-treatment and surface-treatment options that enhance the capabilities of each material.

Fast rolling speeds, along with adequate stocks of raw materials and low minimum quantities, produce a high degree of flexibility that generates for our customers the best-possible delivery times and thus a high degree of responsiveness to the requirements of a particular market.

This is the optimal basis for successful and long-lasting partnerships!

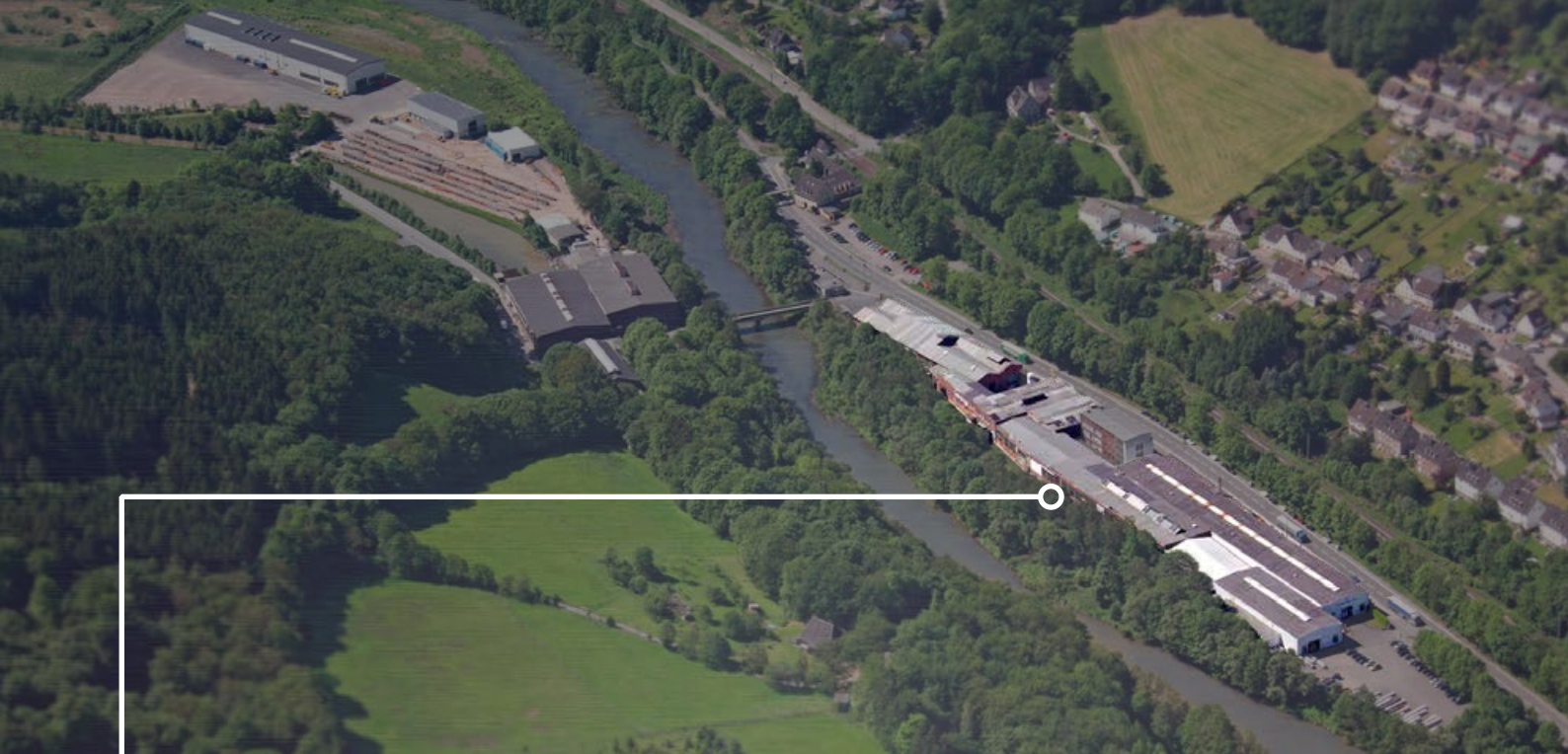
- Special profiles according to customer's drawing
- Steel bars to DIN EN 10058 and EN 10059
- Individual dimensions
- Special tolerances
- Thermodynamic rolling
- Short delivery times
- Small batch sizes



# *Profile section drawing plant*







## Profile section drawing plant

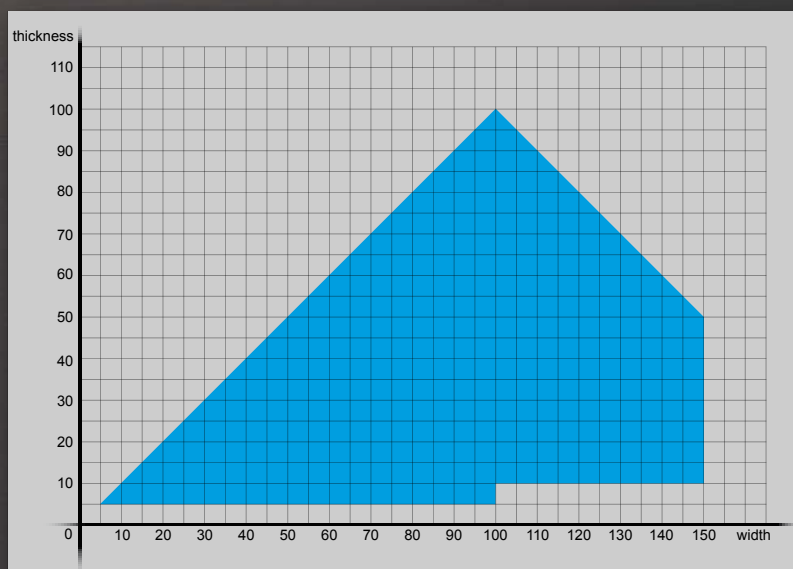
# The possibilities

Whether drawn or cold-rolled, in bar or in coil form, the exacting requirements as specified by the customers are our priority. In close consultation with you, the customer, we define the criteria and develop appropriate solutions.

Geometry, tolerances, surface-finish requirements, economy and a variety of other parameters make for a requirements catalogue which acts as the basis for successful developments, thus leading to satisfied customers and long-term partnerships.

We provide technical solutions for a wide range of industries and applications that couldn't be more different in their requirements!

- Special profile sections according to customer's drawing and, when necessary, with the tightest of tolerances
- Flat and square to DIN EN 10278
- Key steel as per DIN 6880
- Drawn and cold-rolled
- Bars or coil
- Individual heat treatment and surfaces





# Quality from the start

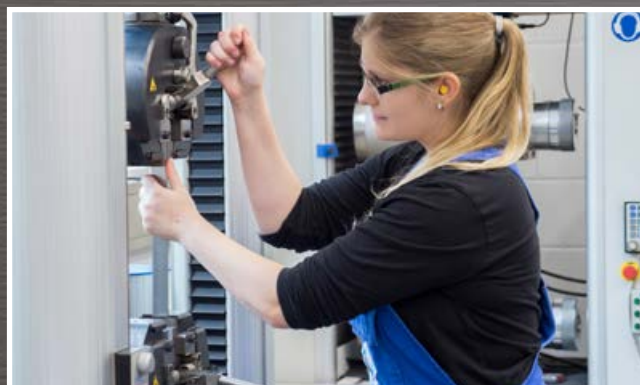


## Quality guaranteed Certified

At Einsal, genuine quality is factored in right from the start and not merely “achieved” at some later date. Quality, as Einsal understands it, is an ongoing process that means ever-smoother operations and less waste, a process that brings logistical advantages and cost savings. Ultimately, this quality leads to satisfied customers who are happy to return to Einsal.

- EN/AS 9100
- DIN EN ISO 9100
- DIN EN ISO 14001
- DIN EN ISO 50001

Extensive special approvals  
automotive manufacturing · aviation ·  
mechanical engineering · defence ·  
energy etc.







## **Walzwerke Einsal – taking responsibility seriously**

# Environmental protection

Our dedicated environmental management system ensures that organisation at Einsal complies with all applicable environmental standards. Environment-friendly solutions are on our daily to-do list – to the benefit of our customers and for internal optimisation measures.

The steady increase in production efficiency and the further development of a standards-compliant energy management system also help us to reduce energy consumption. The local river, coupled with our own power generation system, supplies us with a significant part of our electricity needs on a CO<sub>2</sub>-neutral basis.

Our goal is to bring ecology and economy into harmony. After all is said and done, we need to keep air, soil and water clean and healthy for our descendants.

However, the company's most important resources are our employees. To ensure the specialists of years to come, Einsal is proud to invest in the next generation. In other words, we offer up to 20 young adults a year, the opportunity to start a career. Not only that: we run our own health management system, prevention courses and sporting facilities.

Our integrated IT-security management system combines safety, compliance and protection for both employee data and customer data.

Our basic framework for successful risk management ...

sustainability in production · corporate social responsibility · strong IT security



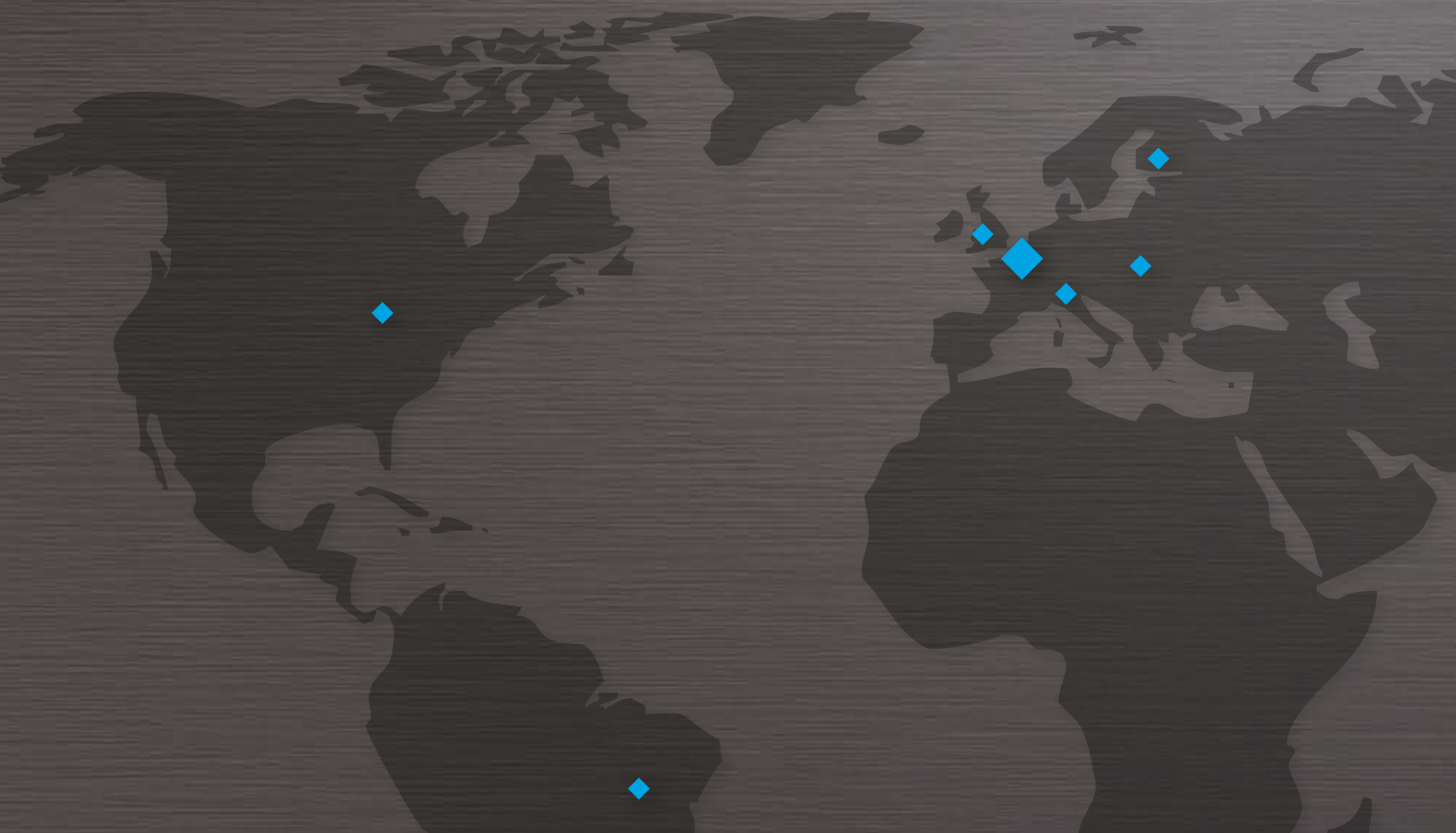


## WE & ETE Partners in power

Energietechnik Einsal (Energy Technology / ETE) was founded in 2006 by Walzwerke Einsal (WE) as the logical consequence of years of doing business in the field of power generation. As a result, production for the energy sector at the parent company was stepped up significantly so that ETE & WE today are approved suppliers for all major energy system manufacturers.



In recent years, we have also gradually expanded our international distribution network and are now represented on almost every continent.







*competent*



*creative*

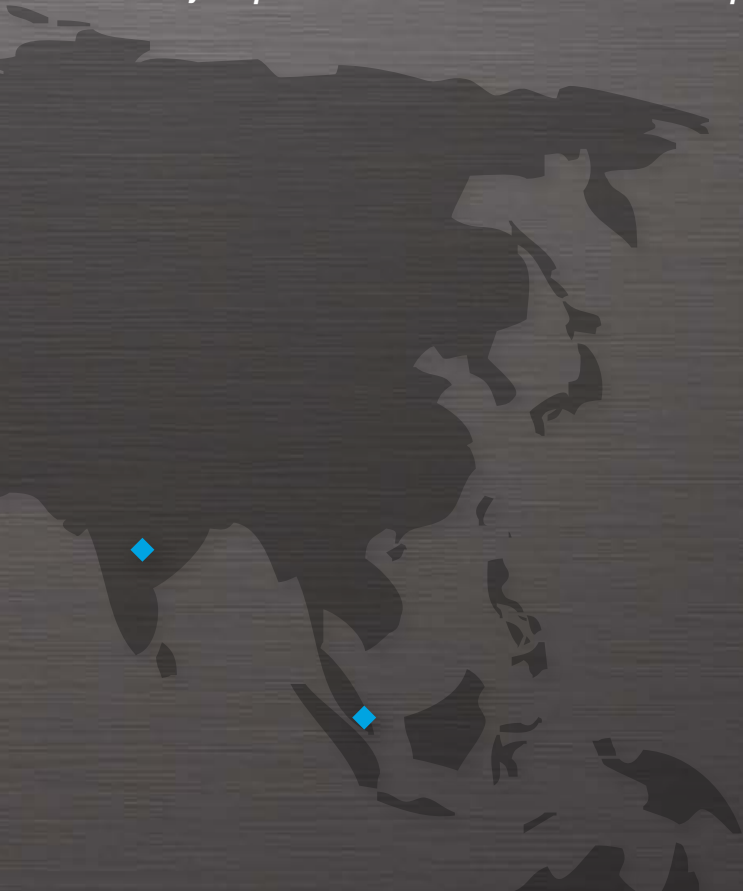
## Dialogue TO SUCCESS

Our advertising does not just claim that our advice service is customer-oriented: we live it! Which is why we firmly believe that technical development worth the name is only possible working together with the customers in direct dialogue. Our highly knowledgeable and approachable contact persons are the people to turn to when it comes to expert advice.

Listening to the queries and registering exactly what the needs of the consumers are ... those are the essentials for successful solutions and satisfied customers.

Einsal is pleased to offer the services of competent contact persons in all technical and commercial matters. We value direct dialogue and we are always available. As our customers, you will get a solution that is perfectly tailored to your requirements. We are never content with anything less – and that's being so for 340 years now.

***Why not put us to the test? We look forward to a productive dialogue.***





**Walzwerke Einsal**  
*we shape it*

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