

innovative. individual. reliable.



**WEHRLE**



Energy Technology

Environmental Technology

Manufacturing

#### The Executive Board of WEHRLE f. l. t. r.:

**Dr. Bernd Fitzke** (Head of Division Environmental Technology), **Robert Körner** (Head of Division Marketing and Strategic Sales), **Sabine Gleichauf** (Head of Division Human Resources), **Heiner Steinberg** (CEO), **Michael Kloke** (Head of Division Controlling and Purchasing), **Wolfgang Schumacher** (Head of Division Manufacturing)



## WEHRLE's tailor-made solutions for waste and wastewater treatment

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### Innovation and Experience – combined for the Benefit of the Customer

The treatment of special waste and complex wastewater is our competence and strength. WEHRLE plants contribute to environmental protection on five continents – reliably, every day. For this purpose, we offer our customers the complete portfolio: From independent consultancy, engineering, construction and manufacturing of large components in our own factory halls to customized plant construction and tried & tested services.

**This range of solutions offers unique advantages, e.g. for industrial companies:**

- Reduction of the CO<sub>2</sub> footprint by producing sustainable energy with thermal utilization of production waste or conversion to biogas on site
- Reduction of the water footprint with smart concepts and technologies for industrial effluent treatment, enhanced with reuse of production wastewater or even water management systems tailored for the entire factory
- Recovery of materials from industrial effluents or by dry ashing of production waste

Due to their vast experience and constant drive for innovation, the business divisions Energy Technology, Environmental Technology and Manufacturing create individual solutions for waste and wastewater treatment for the international growth markets and produce large components for regional mechanical and plant manufacturers.

**This is WEHRLE since 1860, today and in the future!**

Foundation of Wilhelm Wehrle's mechanical workshop in Emmendingen in the South-West of Germany

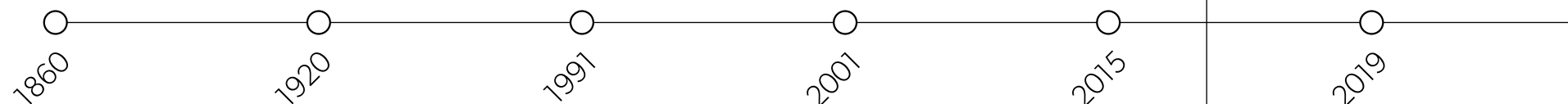
Conversion from a single-owned into a family-owned company: WEHRLE-WERK AG

Commissioning of the first Membrane Bioreactor worldwide treating hazardous liquid waste

First turnkey incineration plant (biomass)

Addition of fluidized-bed combustion into the WEHRLE product portfolio

Additional incineration technology: grate firing







## The family-owned company in Emmendingen, Germany

### **WEHRLE's local roots and international activities – an Employer and Supplier with Responsibility, Sustainability and Commitment in mind**

Our company is 100% owned by the 5<sup>th</sup>, 6<sup>th</sup> and 7<sup>th</sup> generation of the founding family, being not only the manifestation but also the source of our corporate resilience. With over 200 employees, we feel a special responsibility and commitment to our region and the people living and working here.

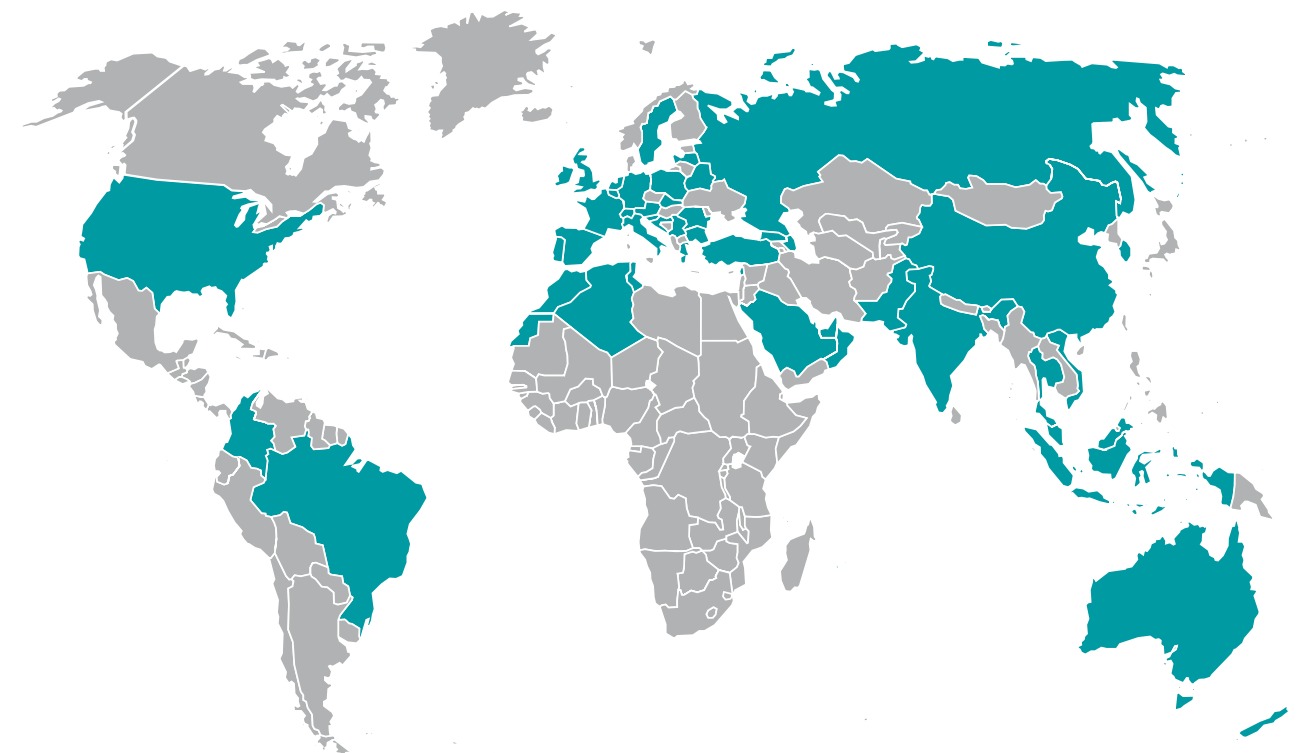
In practice, this relation becomes alive in our social commitment, especially in our *WEHRLE-WERK Foundation for Care and Nursing Support*. Moreover, as well-established Green-Tech company, we contribute to environmental protection and use 100% green power for our factory halls, two thirds of which are produced by our own solar power plant.

This sense of responsibility is also the basis for our cooperation with regional and international partners, suppliers and customers: communication on equal terms as well as openness and sustainability are our priorities.

Advanced solutions, customer-oriented project support as well as excellent service during the entire lifetime of our products are our recipe for success.

Our customers express their trust by giving us top ratings for quality, reliability and partnership.

### **WEHRLE plants in over 45 countries**





# Incineration technology – Boiler construction – Plant service

**From Boiler and Incineration components to complete small plants for decentralized thermal utilization of different waste types – all “Made in Germany” and supported by our first-class service team**

Over 100 years of experience in the construction of steam and water tube boilers, supplemented by well-established grate firing and fluidized-bed combustion technologies and build as complete plants: From feed to flue gas cleaning and ducts, WEHRLE is your competent expert for incineration plants.

**WEHRLE’s robust boilers and boiler components** have proven their reliability over years in numerous waste incineration plants and are known in the industry for their quality and longevity.

For factories, waste management companies or local authorities, our **K<sup>3</sup> fluidized-bed technology** provides solutions for decentralized disposal of difficult waste, e.g. sewage sludge, refuse-derived fuels (RDF), screen overflows, biomass or hazardous waste. The plants offer high fuel flexibility and,

depending on the application, may also be optimized for energy production and the recovery of phosphorus.

**WEHRLE’s new grate firing service** ensures long periods between inspections and particularly short revision times.

The experienced **WEHRLE service team** is your general contractor for supervision and restructuring, making sure all deadlines are met. The direct access to our inhouse process engineering, design and manufacturing departments with their large material stores guarantees the quick production of spare components and reduces your revision and downtime periods.

**WEHRLE Energy Technology:** robust and long-lasting incineration technology with high economic efficiency.



Boiler assembly by the WEHRLE team



Boiler service team in action: replacement of a boiler wall







## The Experts for the Treatment of Complex Wastewater

### A firm grip on Water as a Production Factor – tailor-made plant Construction and Services for your requirements

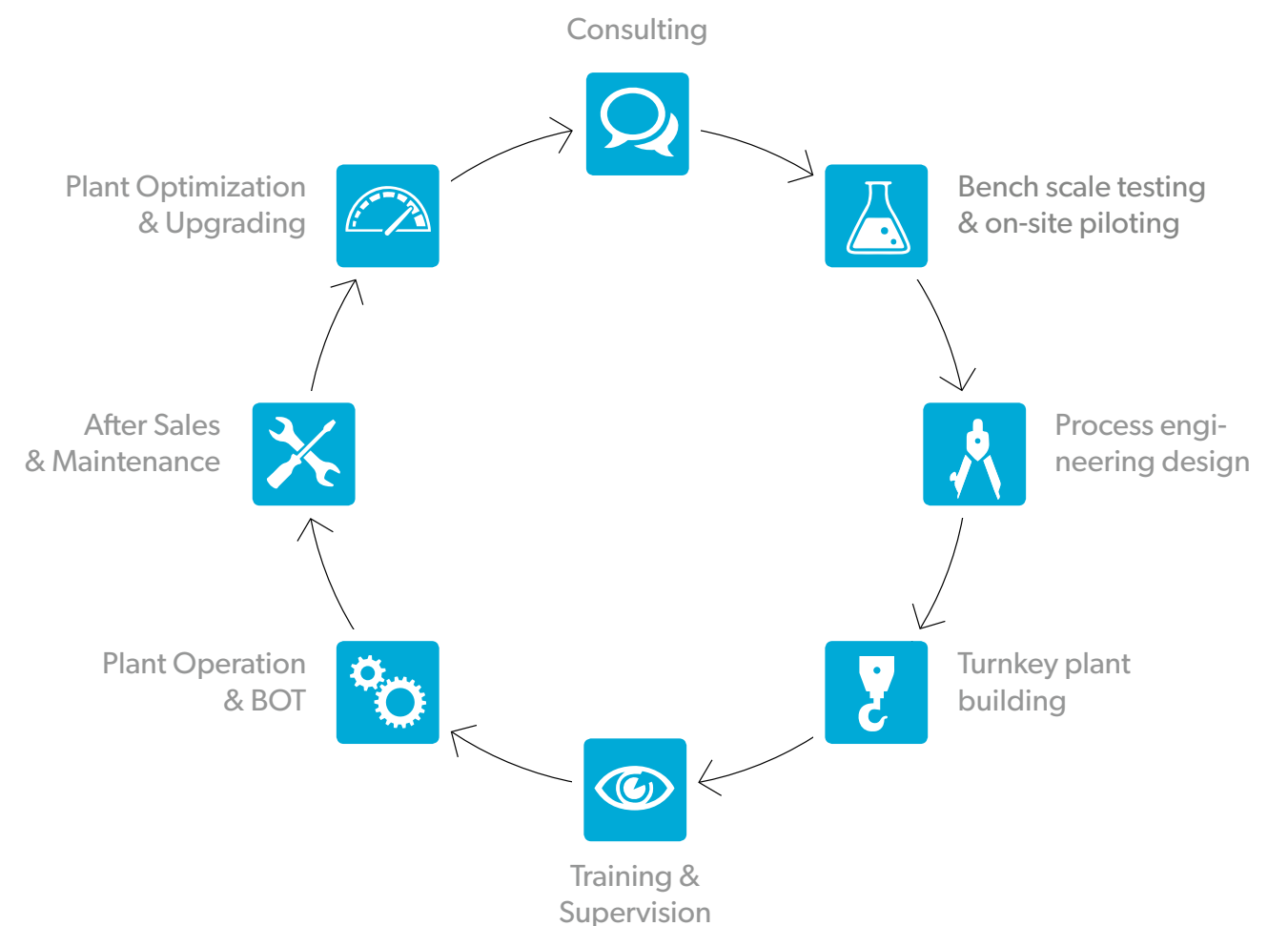
Smart solutions from one source: Our plants cover a spectrum ranging from the treatment of highly loaded landfill leachate to industrial water reuse. By combining modular and easily extendable process technologies, we safely and reliably achieve the required effluent qualities, even in case of strong variations of the wastewater characteristics. We cover a wide range of services for your plant, from dimensioning and construction to commissioning and beyond.

We support you during the plant operation and in the adaptation of entire systems or individual process stages – always optimized for your current requirements.

Due to our in-house know-how and our future-oriented development activities in cooperation with research institutes and universities, we create intelligent solutions. Different process technologies are combined in a smart way to create designs to cater for individual demands as well as for the various types of wastewater and respective treatment objectives. Many industrial sectors can thus reduce their water footprint and increase their efficiency and sustainability.

**WEHRLE Environmental Technology:** the world's technology leader for the treatment of complex wastewater.

### Range of services for the entire plant lifetime







# Your partner for Individual Processing of Large Parts and Components

## With exceptional machinery and first-class welding – Precision and Reliability

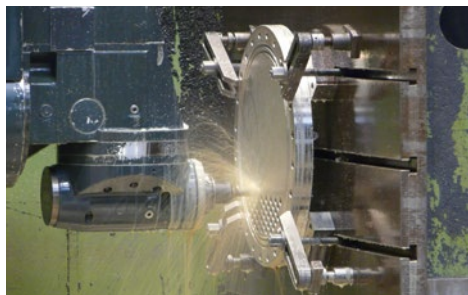
Whether for high-quality machines or for rough use in process applications: We manufacture your individual large parts with expertise and quality "Made in Germany". With our core competences welding technology, mechanical processing and surface treatment, we offer you a combination of different manufacturing processes from one source.

In our factory halls with 30,000 m<sup>2</sup>, we manufacture tailor-made components weighing up to 40 tons. Our highly

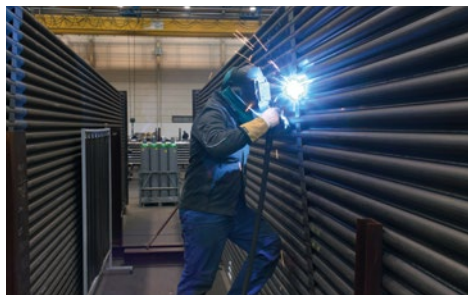
qualified and experienced experts pay special attention to precise processing and flawless material quality, including quality control through non-destructive testing and verified dimensional accuracy. Our welders are among the best in Germany, having already won numerous awards.

**WEHRLE Manufacturing:** mechanical processing, welded structures & surface treatment for large parts in demanding applications.

## Due to our versatile machinery and wide manufacturing portfolio, we offer an exceptional range of services:



Mechanical processing



Welded structures



Surface technology





**> 160**  
Years



**> 45**  
Countries



**> 200**  
Employees



**100 %**  
Family ownership in  
5<sup>th</sup>, 6<sup>th</sup> and 7<sup>th</sup> generation



**50 %**  
Equity ratio



**40 Mio. €/a**  
Turnover



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Thermal use of waste, sewage sludge, refuse-derived fuels, etc.  
& boiler and grate firing service



Treatment of leachate, industrial effluent  
& water reuse



Large-part manufacturing, mechanical processing, welded structures,  
surface technology, boiler and grate construction & design engineering