



GLOBAL NETWORK

The company headquarters in Altenstadt alone covers an area of more than 20,000 square metres, but OHL Guter-muth also has several international offices and a comprehensive network of partners.

As the global market leader for the production of special valves for natural gas desulphurisation, the company works with numerous customers from around China and has a branch office in Beijing. OHL Guter-muth supplies industries throughout the world, such as the chemical and petrochemical industries, the marine industry, steel production, mining and plant construction. In the solar industry, OHL Guter-muth is one of the world's most sought-after suppliers

of special valves and has now realised around 50 innovative large-scale projects worldwide.

SHUT-OFF DEVICES FOR EXTREME TEMPERATURES

For many years now, OHL Guter-muth has been supplying valves that are used as control devices and special safety shut-off devices on turbines, compressors and engine test stands.

Here, extremely fast actuating times of up to 0.1 seconds can be achieved. The OHL Guter-muth valves are ideally suited for the temperature ranges of around 650°C that prevail in these processes, but OHL has also successfully produced

special valves for special cases with extremely high temperatures of around 2000°C, that are stable under load as well as dimensionally stable.



ABOUT

WOLFGANG RÖHRIG

Professional engineer Wolfgang Röhrig (born in 1963 in Birkenfeld/Nahe) grew up in Saarland, studied process engineering in Bingen and worked from 1990 to 1999 in the international sales team of a well-known valve manufacturer in Düsseldorf.

Wolfgang Röhrig has been the Managing Director of OHL Guter-muth since 2000 and is now the sole managing partner. Wolfgang Röhrig places particular importance on the training and promotion of qualified professionals, both at the company's premises in Altenstadt and via international partnerships.



OHL REPORT 2022

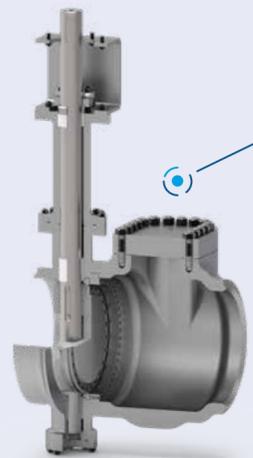


THE EXPERT FOR THE MOST DEMANDING SECURITY REQUIREMENTS – WORLDWIDE

ohl-guter-muth.de



KXT SAFEFLEX A NEW DIMENSION IN PERFORMANCE FOR METAL-SEALED VALVES.



KXT SAFEFLEX – a new dimension in performance based on pioneering manufacturing standards.

This valve offers a combination of properties, functions and versatility that is both unique and highly cost-effective. KXT SAFEFLEX ensures the highest standards in operational safety and durability at high pressures and temperatures and with dynamic loads.

Outstanding tightness in a range of conditions from "very hot" to "very cold" is always guaranteed. SAFEFLEX: impressive technology for shut-off and regulation – safe and cost-effective.

FEATURED PRODUCT

BENEFITS

1. The valve is equipped with welding ends and can also be fitted with pipe sections. The complete sealing system can be replaced in its installed state via a side flange
2. The valve is fitted with a standard extension and can be used in temperatures down to -196°C
3. The material of the sealing ring is adapted to the respective medium as regards temperature and corrosion. The seat material is stainless steel or stellite
4. Completely frictionless shut-off thanks to a stopper disc in the housing seat and a round, non-oval seat geometry as well as extremely high kv-values. This ensures that there is no wear
5. No breakaway torque when opening, and therefore also ideal for use as a control valve
6. The shaft has three bearings: two inner and one outer bearing. This ensures the long-term functional reliability of the packing, which is particularly important for high switching cycles
7. The valve is certified as firesafe in accordance with API 6FA and BS 6755
8. Available up to 60" 600#

AN INTERNATIONAL SUCCESS STORY

QUALITY "MADE IN GERMANY" IS NOT JUST A SLOGAN FOR OHL GUTERMUTH, BUT HAS BEEN A KEY COMPONENT OF ALL ITS PRODUCTS AND INNOVATIONS FROM THE DAYS OF THE COMPANY'S FOUNDING IN 1867 RIGHT UP TO THE PRESENT DAY. TO GUARANTEE THE HIGH QUALITY OF EACH INDIVIDUAL VALVE, THE COMPANY RELIES ON ITS OWN PRODUCTION FACILITIES AND THE IN-DEPTH SPECIALIST KNOWLEDGE OF ITS TEAM OF EMPLOYEES.

The company's history, which formed the foundation for its worldwide success, is particularly impressive. The organisation, which today employs 94 people and has a worldwide network, has its origins in two regional companies.

In 1867, OHL was founded in Limburg. In 1923, Guter-muth started its operations in Frankfurt. The two companies realised their joint potential and consolidated their expertise in 1992.

From this merger grew the current international success of OHL Guter-muth Industrial Valves GmbH, which has always kept its headquarters in Altenstadt, Hessen. From here, OHL Guter-muth manages the company's international business and has succeeded in establishing itself as a sought-after partner for special valves throughout the world. The company, which specialises in control and shut-off valves, has branches in Beijing and Moscow and is known for its commitment to quality and the highest safety standards.

OHL Guter-muth is proud of its many long-standing partnerships, and supplies its quality valves to major international projects in Europe, Russia, India, China, Africa, the United Arab Emirates and America. The company is constantly expanding its own innovative production capabilities in order to continue to meet the highest safety and quality standards now and in the future.

BEST VALVES MADE IN GERMANY SINCE 1867



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OHL GUTERMUTH – FROM ALTENSTADT TO ALL OVER THE WORLD

AN EXPERT IN HYDROGEN TECHNOLOGY

OHL Gutermuth supplies customers around the globe with valves for hydrogen plants, because the certified fittings, such as the triple-eccentric KX Safeflex, guarantee safety and durability.

The use of hydrogen as a source of energy for the future and the sustainable production of "green hydrogen" is of great interest to industry, investors and end users alike. The activities of the company, which supplies one of the global players in the industry in various countries such as Finland and Russia with butterfly valves for the field of hydrogen technologies, have always been geared towards future-oriented solutions, as Managing Director Wolfgang Röhrig points out: "Thanks to our many decades of experience, we realise individual solutions for our partners that ensure sustainable and long-lasting use."



DUBAI – SPECIAL VALVES FOR THE LARGEST CSP PROJECT IN THE WORLD

The world's largest concentrated solar power plant is currently being built in Dubai. OHL Gutermuth is providing on-site support for the Chinese plant manufacturer and is supplying hundreds of special valves for the project.

In 2020, OHL Gutermuth had already shipped special valves from Altenstadt to Dubai for insertion into the pipelines, which are up to 64" 600# in size. Managing Director Wolfgang Röhrig is regularly in Dubai and has been monitoring and supporting the construction progress of the CSP plant "Sheikh Mohammed Bin Rashid Solar Park" on site. The plant in Dubai with an energy output of 1100 MW will commence operations in spring 2022.

BRAZIL – A MAJOR MARITIME PROJECT

OHL Gutermuth is supplying special Inconel valves for a major international project in Brazil and will be providing support for the ship-building process over a period of five years.

As an expert in maritime applications, OHL Gutermuth is working under contract to one of the world's leading companies in the industry. The customer knows it can rely on the unique quality and innovative technology provided by OHL Gutermuth. The first major valve delivery is scheduled for summer 2022.



CANADA – DECADE-LONG PARTNERSHIPS

In North America, OHL Gutermuth provides support for some of the world's largest crude oil and natural gas producers in the realisation of major international projects.

In 2021 alone, OHL Gutermuth provided special valves for the plant construction operations of two well-known companies in Canada. The collaboration with the two global players in the industry is based on decade-long partnerships, because OHL Gutermuth has been supplying the companies with its products since 1970.



SPECIAL SOLUTIONS – PERFECTLY TAILORED TO INDIVIDUAL REQUIREMENTS

For OHL Gutermuth, the focus is always on solutions specially developed for the customers' individual safety requirements and the special features of their plants.

OHL Gutermuth's team of specialists has been supplying well-known international clients for decades and is an experienced partner in sectors such as chemicals, petrochemicals, environmental technology, the sugar industry, the paper industry and air and air-conditioning systems. The experts from OHL have in-depth technical expertise, and provide support for customers right from the planning phase to the installation on site, always finding a tailor-made solution for every situation. This expertise, based on decades of experience in the industry and the modern production facilities in Altenstadt, is used to create special valves that are both highly efficient and future-oriented. Whether special lengths or custom configurations, the individual customer service and first-class technical equipment in the company's own state-of-the-art machine park ensure innovative solutions that are perfectly tailored to the customer's individual requirements.

GROWTH DESPITE CORONA

Despite the Corona crisis, the company has not laid off any of its staff, but instead has strengthened its team with additional skilled specialists.

OHL Gutermuth's success is the result of the dedication and professional expertise of its team of employees. The company's most important concern was therefore to safeguard all jobs during the Corona crisis. As part of the corona measures, staff started working from home, and the production workplaces were also flexibly adapted to meet the new hygiene regulations. Although international market conditions became more difficult last year, OHL was able to expand its production capacities and create new jobs. The company currently has a workforce of 94 and is continuing to grow: as one of the largest employers in the region, OHL offers apprenticeships and provides training in both technical and commercial professions.

awards, has developed a process that uses pyrolysis to break down car tyres into their constituent parts in order to recover raw materials that can be returned to the recyclable materials cycle. OHL Gutermuth is continuing to invest in the success of the recycling company, which went public on the Oslo Stock Exchange in 2021.



CERTIFICATES AND ENVIRONMENTAL AWARENESS

For OHL Gutermuth, outstanding quality and environmental awareness are integral elements of the corporate culture. This is also reflected in the company's numerous awards.

Along with the quality standards that are common in the industry, for example TÜV certification in accordance with ISO 9001 and DGRL 2014/68/EU Module H, as well as Russian approvals such as GOST, RTN and official approval from Gazprom, the company portfolio also includes certifications relating to environmental management in accordance with ISO 14001 and occupational health and safety management. In addition, OHL was one of the first manufacturers of industrial valves to meet the environmental requirements of TA-Luft, the main rule set for reducing emissions and ambient air pollution. OHL makes use of all resource-saving opportunities to optimise production

processes and protect the health of both humans and nature. For Managing Director Wolfgang Röhrig, strict quality requirements and sustainable actions are of fundamental importance: "Our valves are used in all parts of the world, so it goes without saying that we always comply with all international rules, regulations and certifications. Our products are subjected to the most rigorous testing, because our customers rely on the high safety standards of the valves we produce in Altenstadt. We also strive to think and act sustainably on the basis of our environmental certifications, and take responsibility for resource-saving production methods."



NEW OFFICES AND DIGITAL MEASURING EQUIPMENT

In 2021, OHL Gutermuth once again invested in the company's state-of-the-art facilities and opened new offices for inspections and product acceptance tests at the testing stations for cryogenic applications. In addition, OHL invested in new digital measuring equipment to further optimise product quality.

MILESTONES SINCE 1867

1867 OHL, the older of the two parent companies, is founded in Limburg.

1923 Foundation of the second parent company, Gutermuth, in Frankfurt.

1992 The two companies pool their expertise and industry experience gained over more than 100 years, and merge to form the company OHL Gutermuth Industrial Valves GmbH in Altenstadt.

2000 Professional engineer Wolfgang Röhrig becomes Managing Director of OHL Gutermuth Industrial Valves GmbH. Wolfgang Röhrig is now the sole managing partner of the company.

2012 An officially licensed partner of Gazprom, OHL Gutermuth opens an office in Moscow.

2013 Construction of a new production hall with a crane capacity of 30 tons. The building is used for the assembly and testing of large-scale valves, including cryogenic and hot gas tests, and has a height of 13 metres.

2014 Production capacity is expanded with the purchase of new turning and milling centres. A new test stand for valves with welding ends is commissioned – with a capacity of up to 48" 2,500#.

2017 150th anniversary of the company.

2018 Installation of the first innovative welding robots for armouring.

2019 In Hangzhou, OHL Gutermuth establishes the first ever foreign private foundation at a Chinese university. Wolfgang Röhrig is appointed honorary professor at Zhejiang University.

2020 OHL Gutermuth supplies butterfly valves for the construction of the world's largest CSP plant in Dubai.

