Post-combustion plants, metallurgy operations, industrial furnace construction, and exhaust air technology and air-conditioning systems rely on throttle valves from OHL Gutermuth. The valves are used in the plant engineering, chemical and environmental technology industries as well as in natural gas and refinery gas desulphurisation plants.

## WIDE PRODUCT RANGE

**In order to be able to provide the appropriate products for the many industries served, OHL Gutermuth has a wide product range. Some of the valves are designed for nominal sizes of up to DN 4000, pressures of up to over 200 bar and temperatures of -196°C to + 1300°C. The extensive product range includes throttle valves, butterfly valves, other types of valves and valves for special applications.**

The triple-eccentric valve KX Safeflex is used in sectors such as power plants, steel mills, remote heating systems, solar plants and desulphurisation plants, as well as in the pulp and paper, chemical, petrochemical and sugar industries. The triple-eccentric butterfly and control valve is a fully metal sealing valve. It combines properties, features and a wide range of applications that make it especially cost-efficient. At the same time, KX Safeflex delivers the highest standards in operational safety and durability at high pressures and temperatures, and with dynamic loads. The excellent sealing properties in a range of conditions from “very hot“ to “very cold“ are guaranteed.

The disc seal is a solid, rotationally symmetrical sealing ring made of stainless steel. A frictionless release of the metallic sealing ring through immediate lifting from the seat guarantees a maximum of operational safety and long-term durability.

## CONTROL VALVES & SHUT-OFF VALVES

**The DKK/ DAK control valve with a centrally mounted disc is used in steelworks, coking plants, furnace construction and exhaust air technology for combustion air, hot gas and exhaust air. The DKK/ DAK type series has been used successfully for over 75 years now - with only minor modifications over the years.**
The heavy-duty components and lubricated bearings make the control valve robust and indestructible when used in even the most extreme conditions. CAM/ CBM/CCM/CDM shut-off valves are highly sought after by the petrochemical industry and for natural gas desulphurisation and gas purification. These shut-off valves are suitable for Claus plants, among others. The tried-and-tested design has been used in over 150 reference plants throughout the world since 1970. According to OHL Gutermuth, many of the valves installed over 40 years ago are still in use today. The CHM mixing valve for hot gases is used when combining a hot gas from the combustion chamber with a cold gas at a defined temperature. A special lining of the valve enables it to be used at high temperatures. The application areas for the mixing valve include refineries, desulphurisation plants and all other applications where hot gases have to be mixed to a defined temperature.

## THE HEADQUARTERS

**The site on which OHL Gutermuth‘s headquarters in Altenstadt is located has a total area of 20,000 square metres.**
OHL Gutermuth also has an office in Beijing. Here, the company has access to a huge and increasingly important market. OHL Gutermuth has also had a branch office in Moscow since 2012:

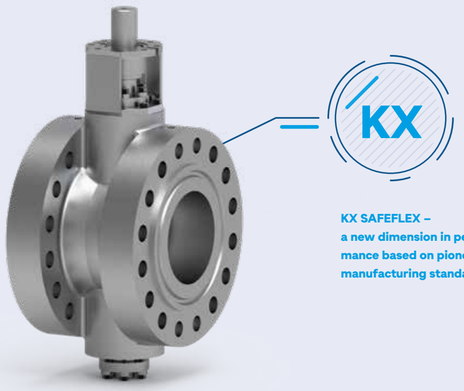
000 OHL-Gutermuth Moscow
Dorogobughskaja 14
Bld. 6, office 2, 2A
121 354 Moscow

## WOLFGANG RÖHRIG

**Wolfgang Röhrig, born in 1963 in Birkenfeld/Nahe, is a graduate engineer with a degree in process engineering.** After working for ten years in international sales at a valve manufacturer in Düsseldorf, he joined OHL Gutermuth in 1999 and became Managing Director in 2000. Today, Wolfgang Röhrig is the sole managing partner.

FEATURED PRODUCT

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




**KX 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. KX SAFEFLEX offers 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.

**BENEFITS**

1. **The sealing ring is rotationally symmetrical and solid. No flushing out possible in contrast to lamellar seals. The sealing ring is easy to replace because it is rotationally symmetrical.**
2. **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.**
3. **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.**
4. **No breakaway torque when opening, and therefore also ideal for use as a control valve.**
5. **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.**
6. **The valve is fire-safe in accordance with API 6FA / BS 6755 with a blow-out-proof shaft and can be used in temperatures as low as -198°C and as high as +850°C.**
7. **Up to Δ p 150 bar depending on the nominal size.**

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# OHL REPORT 2021

## OHL GUTERMUTH – A GUARANTEE FOR QUALITY AND EXPERTISE WORLDWIDE

**ohl-gutermuth.de**

OHL Gutermuth Industrial Valves GmbH

## A SPECIALIST COMPANY
## OHL GUTERMUTH INDUSTRIAL VALVES

**Wherever especially high safety standards are essential, perfect solutions are required for shut-off and regulation.**

OHL Gutermuth Industrial Valves has made a name for itself across the globe with tailor-made valves for specific industrial applications. The combined expertise and decades of experience of two well-established specialist companies, combined with a strong commitment to quality and a high level of personal dedication, are the best prerequisites for mastering future tasks with ease.

**BEST VALVES
MADE IN GERMANY
SINCE 1867**

## THE IDEAL VALVES FOR SPECIAL APPLICATIONS AS WELL

**The ideal valve for every customer - a task that OHL Gutermuth reliably accomplishes each and every day.**

The company, with its headquarters in Altenstadt, in the German state of Hesse, also manufactures valves for use in special applications. Here, OHL Gutermuth works to stringent criteria and pays particular attention to effective quality control. This ensures that the products always meet the most diverse and exacting requirements. OHL Gutermuth offers perfect solutions for shut-off and regulation with quality products made in Germany – also for applications that are subject to the highest safety standards. The quality for which the company is renowned is the result of a variety of factors. These include, for example, many decades of experience that have resulted in consolidated expertise: The company’s roots go back to the year 1867, when OHL was founded in Limburg. In 1923, Gutermuth was founded in Frankfurt. Over many decades, both companies have accumulated an exceptional wealth of experience, which was finally pooled in 1992. The merger of the two companies resulted in the creation of OHL Gutermuth Industrial Valves GmbH as a single company based in Altenstadt. As a result, the comprehensive expertise of two established specialist companies has been successfully brought together.

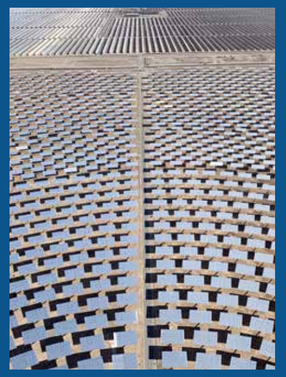
# SAFETY ON A GLOBAL SCALE WITH INDUSTRIAL VALVES FROM OHL GUTERMUTH.

## CONTRACTS WITH THE SOLAR INDUSTRY

**Among the many sectors that OHL Gutermuth supplies with its valves is the solar industry. And this has been the case for many years now – while other manufacturers only became aware of this industry at a much later stage.**
In recent years, the company has received orders for numerous projects for example in Spain, including the solar power plants Andasol 1, 2, 3; Extresol 1, 2 and Manchasol 1, 2. Each project was worth between 0.5 and two million euros.

### OVER 50 REFERENCES!

OHL Gutermuth now has around 50 references for solar plants, mostly in Spain, but also in North and South Africa, UAE, North and Central America.

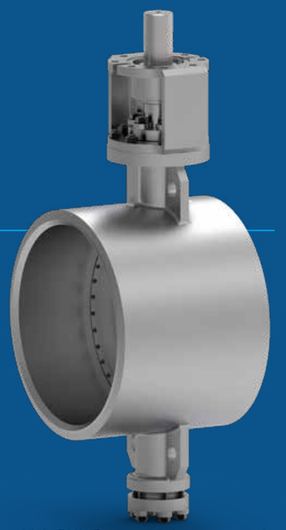


Special control and shut-off valves for thermal oil and Molten Salt up to 800°C and 160 bar pressure

## PARTNER OF THE CONCENTRATED SOLAR POWER INDUSTRY

**OHL Gutermuth has strengthened its leading position in the supply of high-pressure valves for Concentrated Solar Power (CSP).**

The world's largest operating plant is located near Marrakech in Morocco. The 3 plants generate an output of 1000 MW and are equipped with hundreds of high-pressure valves from OHL Gutermuth with nominal sizes up to 56" 600#. An even larger plant is currently being built in Dubai, for which OHL Gutermuth has once again been awarded the contract.



Here it is planned to generate 1100 MW of energy and hundreds of special valves from OHL Gutermuth will again be used in the pipelines, which are up to 64" 600# in size.

## SPECIAL SOLUTIONS FOR MARITIME APPLICATIONS

**Currently supplies are being made to various ship projects for military applications. OHL Gutermuth has been supplying special valves made of titanium and Inconel for frigates, corvettes and also for exclusive private yachts for around 20 years now.**

There is no question about it, it is always best to work with OHL Gutermuth - even Russian oligarchs agree.

### A 170 METRE-LONG PRIVATE YACHT

The company from Altenstadt manufactured innovative special valves for the 170-metre-long private yacht of a Russian oil billionaire. OHL Gutermuth is simply a company for every possible requirement.

## GLOBAL COMMITMENT - SUPPORTING STUDENTS IN CHINA

**In 2019, Managing Director Wolfgang Röhrig established with OHL Gutermuth the first ever foreign private foundation at a Chinese university. As a newly appointed honorary professor at the prestigious Zhejiang University in Hangzhou, he is delighted to be able to support young talents at this outstanding institute of education.**

The sustainable transformation of the energy supply is fully underway in China and the need for solutions to problems, for example in the field of solar energy and LNG, is particularly high. OHL Gutermuth is very active in this area in collaboration with the country's largest supplier, so talented new recruits are always very welcome. Wolfgang Röhrig comments: "We are delighted to be cooperating with Zhejiang University and see this exciting project as an excellent opportunity to further expand and intensify our long-standing relationship with China". This involvement in the Far East also underlines the global reputation of OHL Gutermuth: a guarantee for quality and expertise worldwide.

## NEW MACHINING CENTRES AND TEST STANDS

**With its new machining centres, OHL Gutermuth is now able to work even more efficiently. In the past, the company had to, for example, carry out at least four time-consuming set-ups on two machines in order to achieve the same result.** Thanks to the new centres, there is no need to change machines and at least two costly reclamping operations have been eliminated. The susceptibility to errors has been significantly reduced and the effort required for post-processing minimised. The main production time has been reduced by at least 30 percent.

## CERTIFIED QUALITY

**The high quality of OHL Gutermuth's products has been repeatedly documented.** They fulfil the quality management requirements certified by TÜV in accordance with: ISO 9001, ISO 14001, ISO 3834, Pressure Equipment Directive PED Module H. The valves are also certified in accordance with the Russian TRCU, TSG, CRN and API. In addition, OHL Gutermuth has official approval from Gazprom. The company also has, for example, the Fire Safe certificate in accordance with API 6FA and BS6755. This in turn offers greater safety and cost-effectiveness for future-oriented solutions. In fact, OHL Gutermuth was one of the first suppliers to meet the strict environmental requirements of TA Luft and ISO 15848. "The constructions we have developed all achieve exemplary results here" explains Managing Director Wolfgang Röhrig. Thanks to the numerous certifications, OHL Gutermuth is able to manufacture and also test most of the production programme independently. The company also has SIL certification for its metal and soft-seated butterfly valves, with the reliability determined by a long-term "proven in use" study in collaboration with a renowned university. In order to obtain the certifications, OHL Gutermuth sets high standards for itself. "Impressive technology and the highest level of quality are key elements that enable us to achieve this" says Wolfgang Röhrig. A strong commitment to quality is fundamental to the company's mission.

## INDIVIDUAL CONSULTATION

**Proven quality is a significant aspect of what OHL Gutermuth offers its customers.** However, customisation is another thing to which the company from Altenstadt attaches great importance. "Individual advice for our customers therefore always comes first and is at the centre of our activities." says Wolfgang Röhrig. As soon as it is known exactly what the customer wants, OHL Gutermuth goes on to successfully identify the ideal solution. If you want to survive in the market, you have to actively plan for the future. This is why OHL Gutermuth is constantly further developing its products. "The high-quality final products are subjected to continuous stress tests and are modified and enhanced on the basis of the latest findings" says the managing director of OHL Gutermuth. The company's extensive experience is also an important factor in delivering quality products every time. Numerous reference plants from all over the world provide the opportunity to specifically further develop products in line with the requirements and wishes of our customers. This ensures both a continuous optimisation of performance, and technical innovations. It is therefore only natural for OHL Gutermuth to make above-average investments in machinery, equipment and personnel.

## QUALIFIED SPECIALISTS

**The company also attaches great importance to its team.** "The basis for successfully addressing the manifold tasks and opportunities of the future is the above-average performance and responsible commitment of the individual" emphasises Wolfgang Röhrig. In order to remain a leader in the long-term in international quality competition, OHL Gutermuth invests significantly in the promotion and advanced training of specialists at all levels and in all areas. "Because well-qualified skilled workers are essential for sustainable success." The wealth of experience that the company is able to draw on is also invaluable. OHL Gutermuth has continuously acquired new insights from the numerous projects it has completed. "We have supplied special valves to more than 150 gas purification plants over the past 45 years, including the world's largest in Europe, Russia, Kazakhstan, Turkmenistan, India, China, the Middle East and North and South America.", says Wolfgang Röhrig. A wide variety of industries throughout the world place their trust in the products of OHL Gutermuth. The key industries here include chemicals, petrochemicals, environmental technology and sugar refineries. In addition, refrigeration technology and shipbuilding customers rely on the company's butterfly valves and throttle valves. Butterfly valves are also supplied to power stations and incineration plants.

Continued on the next page ➔

## NEW INVESTMENTS

**A recent new investment involved the installation of innovative welding robots that can be used to armour housings weighing up to 15 tonnes using an innovative welding process.**

## QUALIFIED SUPPLIER OF SAFETY VALVES FOR COMPRESSOR AND TURBINE SYSTEMS

**Many compressors and turbine systems are currently being equipped with safety valves from OHL Gutermuth.** These valves are hydraulically operated and have a high-speed (100 ms) closing function.

## 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.