

Made for Motion 

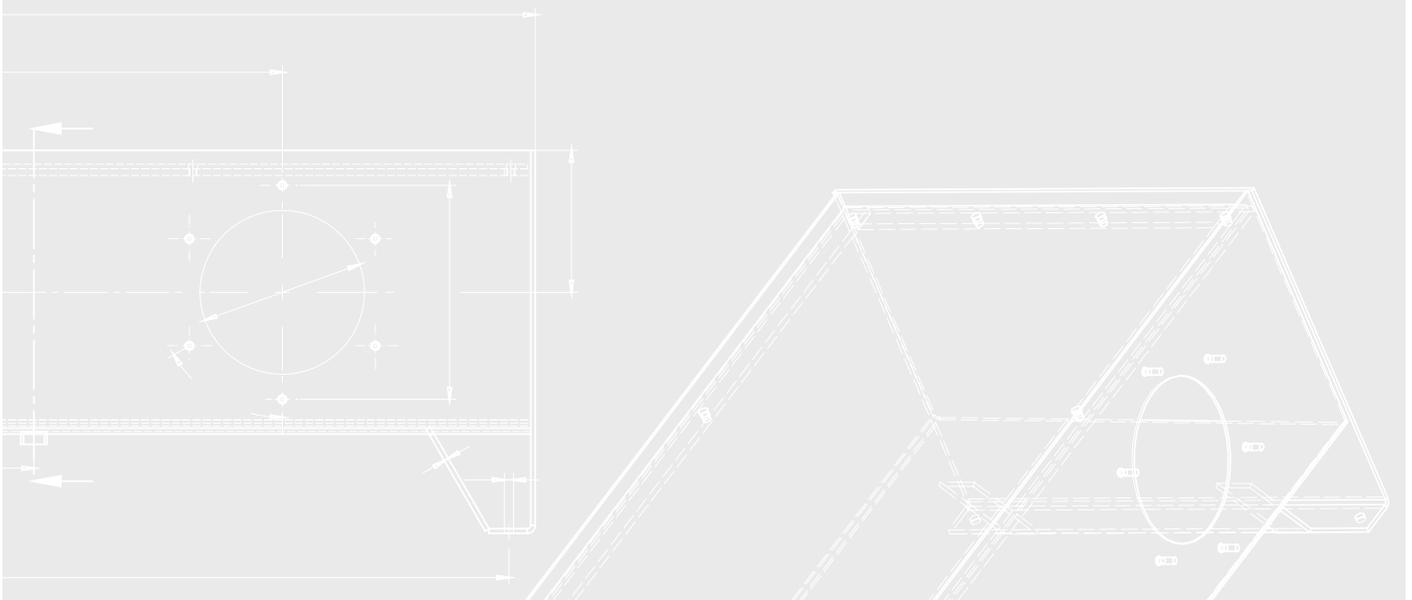


## Stronger thanks to joint forces

**KTR components – the result of systematic thinking**

Hydraulic systems can move mountains. Not only on land but at sea too, provided that suitable technology is at hand. At KTR, we have been fusing vision with precision and experience in the field of hydraulic systems for over five decades. And for over two, we have been marrying German expertise with Polish practicality. Furthermore we have recently expanded our hydraulic skills by further enlarging our production plants in Poland while increasing our sales team in Germany.

Just to make sure you reach your goals even more easily!



**Stronger thanks to joint forces –**  
KTR components – the result of systematic thinking

**Without hydraulic systems neither mining, tunnel construction, crane nor ocean-going technology function. And since the 60s, KTR has been steering developments in this field in the right direction. From our early days, hydraulic components have complemented our mechanical drive components core business. This second mainstay will now be of more importance and interest to you as we have expanded our production facilities in Poland and enlarged our sales team in Germany. This not only benefits you as a customer but helps you reach your targets faster.**

### **Multiple expertise from a single source**

Ambitious goals are only achieved when everyone works as one and pulls together. This is exactly what happens all the way from KTR headquarters in Rheine through to the tranquil, small Polish town of Ozimek. It was here in 1996 that KTR established its subsidiary KS Konstrukcje Stalowe. The choice of location was no coincidence – rather a stroke of luck: already in the mid-18th century, large deposits of bog iron ore were found in Ozimek, formerly known as Malapane in Prussian times. The discovery led to the building of the first state-run ironworks in Upper Silesia that helped fuel what became a rapidly growing industrial culture. Today the tradition and experience resulting from four centuries of 'hot iron' have helped forge part of the KTR subsidiary's manufacturing expertise. The prior premises of the royal smelting works are now home to KS and stretch over more than 12,500 square metres. The site is equipped with hydraulic guillotines, precision plasma torches, oxy-fuel cutting machines for thermal cutting, CNC press brakes with a pressing force of up to 630 tons and other diverse hardware. The new double-chamber painting plant delivers every design with the required corrosion protection, providing customers with exactly what they require, using airless technology for either normal or two-component coatings where the latter is performed in a special mixing and batching plant for two-component paints. Additional coating methods such as powder coating, hot-dip galvanizing and electroplating are available on request.



### **KS for king-sized standards**

Our skilled workforce numbering 200 transform every customer challenge into a positive solution. Depending on the purchaser's needs, this can take the form of steel tanks ranging up to 130,000 litre capacity weighing a maximum of 30 tons. This makes for very high construction requirements as these tanks have to be able to stay leak-proof – at any joint, under the highest pressure and over the long-term. So as to guarantee this, KS subjects every tank to the toughest quality controls. Each tank is very thoroughly checked for impermeability by means of fluorescent penetrant inspection testing. Depending on customer requirements, further tests such as hydrostatic testing at 0.5 bar, magnetic particle testing, crack testing or ultrasonic testing can be performed. Other products manufactured at KS, such as sumps, valve tables, silos and crane bridges, have to undergo the same tests before they can be used wherever in the world.

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**Certified not improvised**

KTR welding constructions made by KS meet all mandatory international quality management standards for welding. Furthermore KS is certified to comply with the new EN 1090 EXC3 standard for welding tanks and complex assemblies. To view these certificates please click [here](#).

**Monitored and coordinated by KTR**

Regardless whether it is a mobile or stationary hydraulic system, or one that is a standard or customized solution, KTR has the right components for each and every application, ranging from **bellhousings** to **coolers** through to **tank heaters**. In our new Power Transmission Center (PTC) in Rheine, hydraulic components are developed and optimized for worldwide use. To assure the highest quality, there are more than 25 hydraulic and electronic test benches. But before a product can be tested under real conditions, numerous construction stages have to be completed. To save searching and time, our **3D-SpaceCentre** supports you with your engineering work right from the start while our **online configurator** assists you in designing your hydraulic components. Just use our one-stop planning and one-stop shopping together for a multiple-resource solution yet from a single source.

**Both are here to help!**

Gunnar Ehlers and Klaus-Peter Sprödhuber recently teamed up with KTR with the result that we have two further experienced specialists offering KTR hydraulics expertise in this rapidly growing market where a large degree of consulting is necessary. Our new sales professionals will be happy to advise and help whenever you need and cater to your every wish!



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**Our steel tank production in Poland**

**Click here to see our steel construction in action**