

# Service Station

BREMERHAVEN, GERMANY



**TTS**

# A COMPLETE RANGE OF SERVICES

Strategically located in Bremerhaven, TTS offers the highest level of support to the marine industry. Our years of experience ensure that we offer the most innovative and practical solutions to reduce your risk and protect against downtime.

Bremerhaven is geared to carry out service and in-transit repairs to all types of hatch covers, Ro-Ro equipment, cranes, winches and davits.

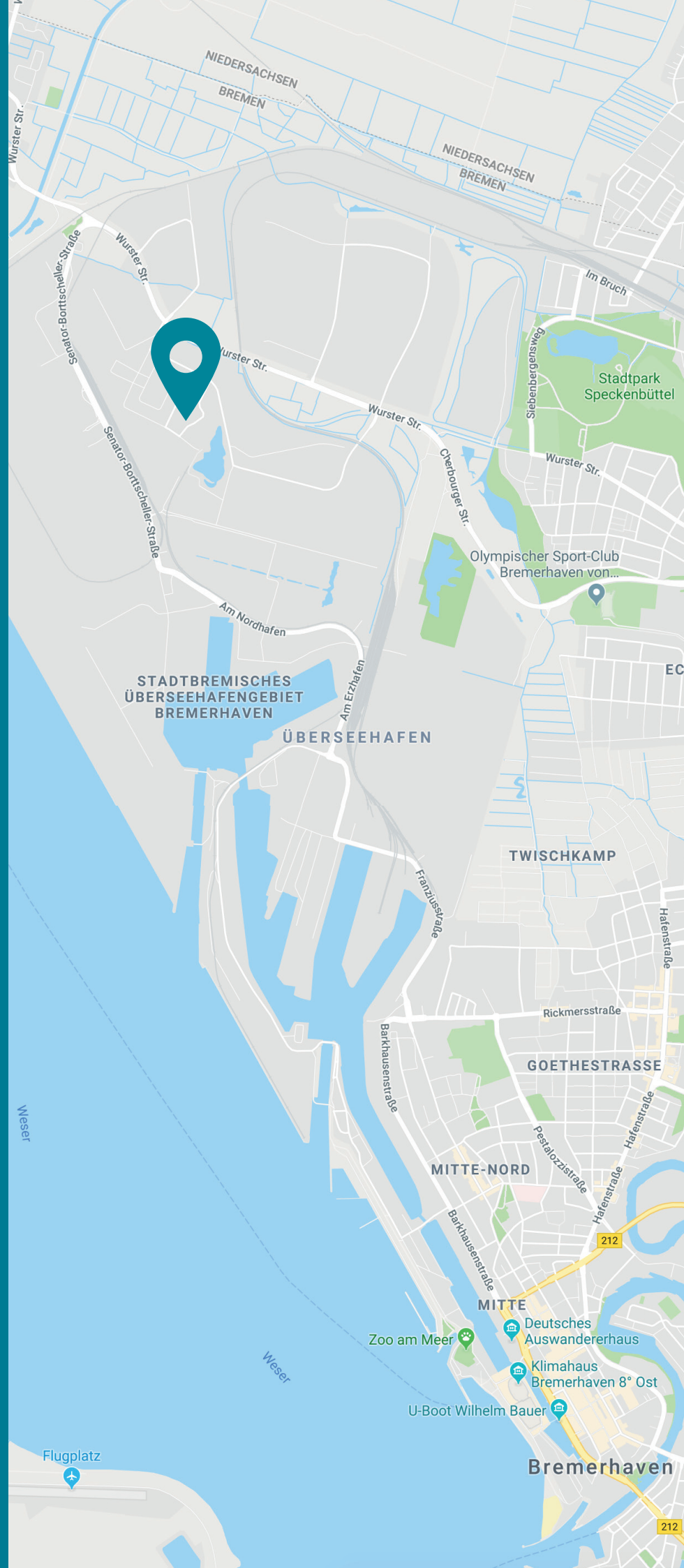
We also offer boiler systems repairs, as well as any type of shipbuilding repairs to both merchant vessels and mega yachts.

Bremerhaven is the largest service station in the TTS network with its own electrical, mechanical and hydraulic workshop, plus rubber production. We enable custom-made high quality spare parts production at very short notice.

We offer a complete range of service work on all aspects of equipment, such as steelwork, sealing components and hydraulic/electrical systems.

All our activities in Bremerhaven are backed up by our global service network and product companies around the world.

Wherever you sail,  
TTS is right there with you.



## STEEL

TTS designs, manufactures and installs steel and stainless steel structures according to customer specifications. We work on short notice, anywhere in the world. TTS is able to meet such demanding requirements by optimizing and coordinating all of our processes, from planning, design and manufacture to installation, maintenance and repair. All of these are carried out according to customers' exact specifications. We have a classified welding workshop (GL/DNV/TÜV), providing the specialist services required to maintain safety and performance.



## MECHANICAL WORKSHOP

We are proud to combine technical sophistication with elegance and reliability. From our mechanical workshop, we offer both spare part production and production and repair for internal and external customers.

The wide range of equipment designed and manufactured by TTS also requires the ready availability of original spare parts. Our global sourcing power and own manufacturing of spare parts, combined with our strategically located warehouse in Bremerhaven ensures high availability of spare parts.



## HYDRAULIC WORKSHOP

TTS can deliver, repair and recondition/overhaul hydraulic valve blocks, power units, cylinders etc. for diverse drive functions like ramps, hatches, outer shell doors, platforms/terraces onboard luxury motor yacht and side and stern flaps for RoRo/PCTC vessels. We can also service, repair or recondition drives and control blocks for mooring and windlass winches, anchor falling devices and disk brakes as well as most other hydraulic components onboard a vessel. Our hydraulic workshop specialize in providing design, newbuilding and repair of control blocks, hydraulic cylinders, hydraulic piping, power packs and field installation. We repair and overhaul all types of hydraulic valve blocks, hydraulic motors, cylinder and power packs for any type of vessel. Our hydraulic service center has built up a complete service program offering inspections and maintenance services that helps to substantially extend the lifetime of hydraulic systems.



## MEGA YACHT SERVICES

The general layout of a modern yacht involves many highly technical and sophisticated systems. We have many years of experience in designing, manufacturing, supplying and servicing a wide range of specialist equipment found on yachts. Our tailor made solutions include modernizations, upgrades, conversions or retrofit.

## RUBBER WORKSHOP

With our own production of rubber seals and corners for hatch covers, we can deliver custom made rubber corners and profiles to customer specification. Due to the large quantities we handle and the internal processes of our large rubber store, TTS can deliver sealing profiles to any seagoing vessel regardless of what make of hatch covers are onboard.

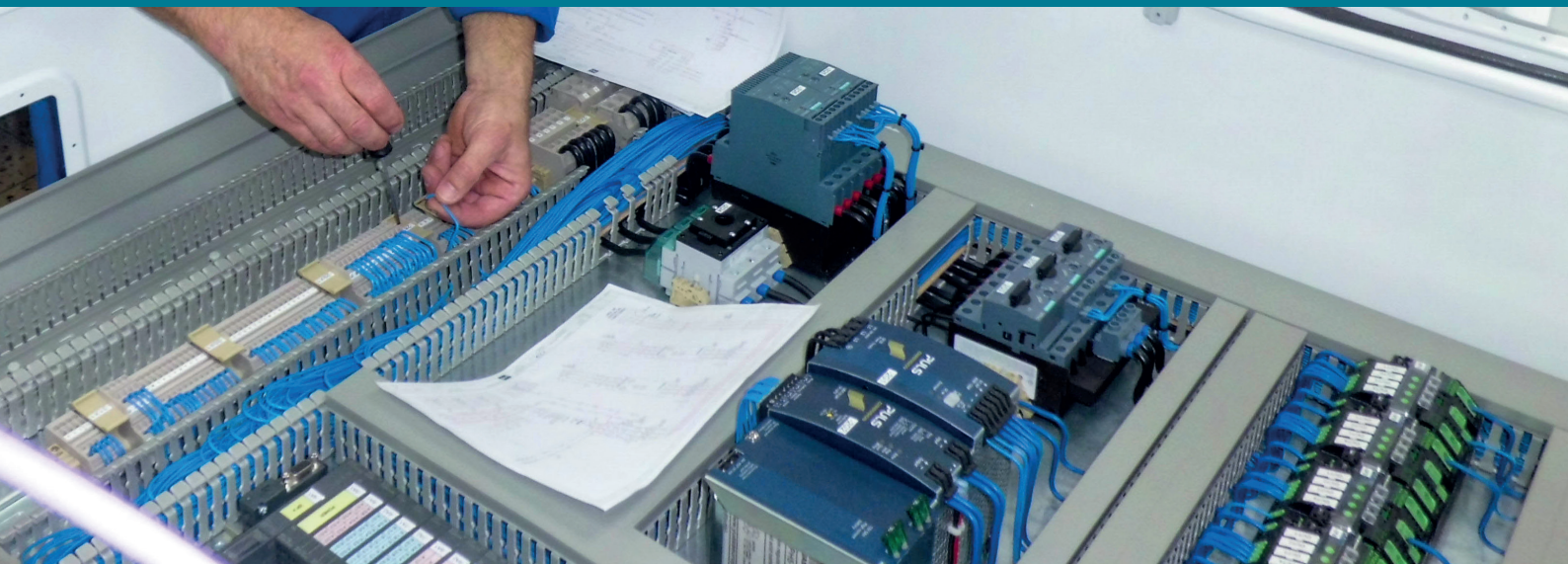
## HATCH COVER SERVICE

TTS carries out hatch cover repairs and conversions as well as certificated ultra-sonic weathertightness tests (GL, ABS, DNV, IACS U.R. Z.17) for all types of hatch covers, side doors and ramps. We have the skills and equipment to carry out a complete range of maintenance activities for steel, rubber and hydraulic systems. TTS also delivers all essential spare parts such as rubber, rubber corners, resting pads, guides, cleats, bolts, bearings, shafts, wheels, hydraulic cylinders, valves, blocks and seals. Large stocks of standard spare parts are available at short notice and can be delivered to anywhere in the world. We are able to stock customer-owned parts with the help of our spare parts management system.



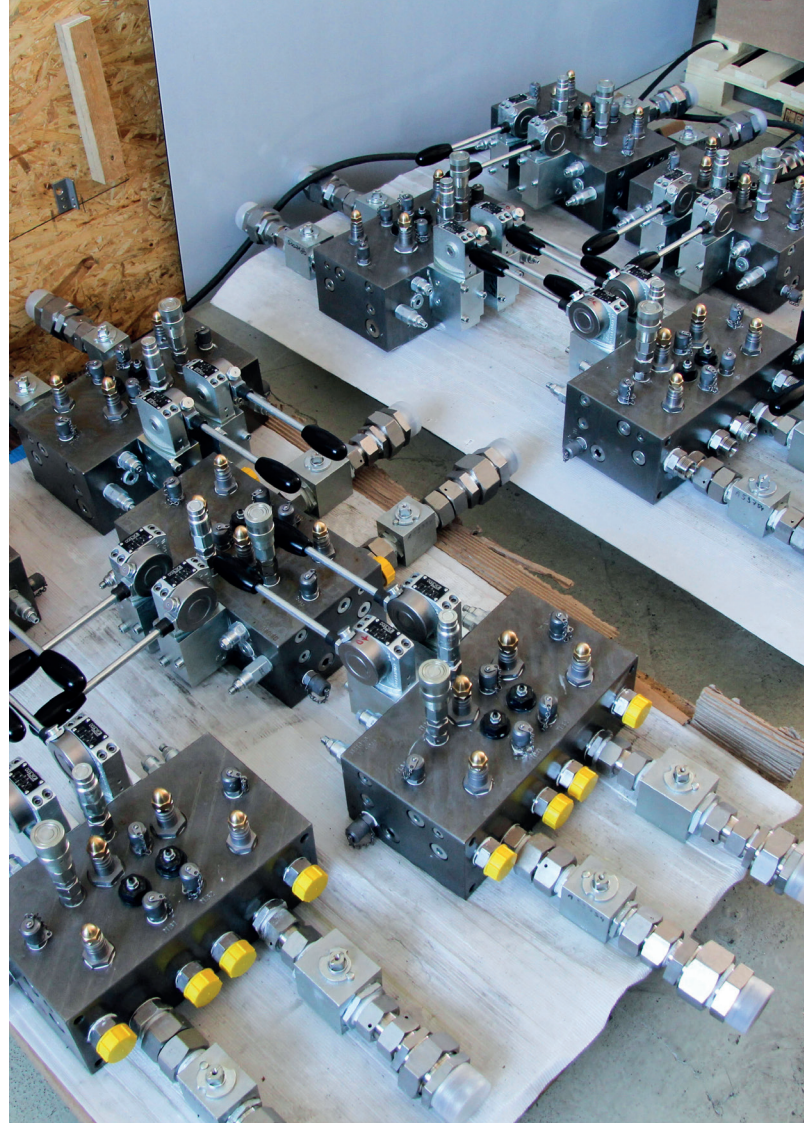
## ELECTRIC WORKSHOP

Electrical systems/units and scope include planning, programming, assembly of switch panels, field installation, commissioning and inspections. Modern CAD software (EPLAN) is used for planning and drawing purposes, such as circuit diagrams, hardware drawings, terminal plan, part lists and spares lists. On request, the drawings and documents can be presented in different languages. For process diagnosis we are using modern display systems. We design our systems to meet customers' specific requirements, taking special care of ergonomic aspects and easy operation. These services are tailored to meet customers' wishes and can be provided at any time.



## RECONDITIONING AND EXCHANGE

Reconditioning can often be a more cost effective than buying new replacement components. Within our workshop we can recondition many items such as cylinders, hydraulic motors, valve blocks, etc. We can also take on major reconditioning of complete equipment like cranes, hatch cover, winches etc. On customer request we implement exchange programs.



## SPARE PARTS WAREHOUSE

TTS also have a large warehouse of spare parts and can manufacture bespoke spare parts to drawing on customer request. Our spare parts stock consist of a large range of generic parts and TTS original spare parts.

## BOILER REPAIRS

TTS carries out worldwide maintenance and repairs on smoke economizers, heat exchanger and other pressure vessels. Repair procedures, including welding sequences, are based on our many years of experience and are undertaken in accordance with the rules of the given Classification Society. Our range of expertise includes re-tubing boilers, exchange of tube plates, repairs on boiler shell, repair of flame tubes, delivery of boiler tubes, flame tubes, boiler valves, gaskets etc. We also undertake prefabrication of tube plates, studs, shell plates, tube plugs, turning chambers, entrance doors etc. TTS also delivers and installs refurbished burner muffles.



## PIPING/INDUSTRIAL WORKSHOP

In our piping/industrial workshop we offer design and pre-fabrication, repair and conversion, pipe welding, boiler service, pressure vessel building and repair and offshore steel production.

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