

HULL + SUPERSTRUCTURE • ACCESS ARRANGEMENTS • HIGHLY POLISHED STAINLESS STEEL
POOL + JACUZZI SYSTEMS • DECK EQUIPMENT • INSTALLATION • WORLDWIDE SERVICE



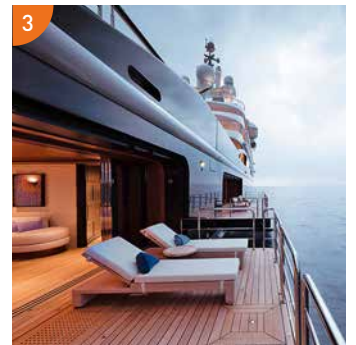
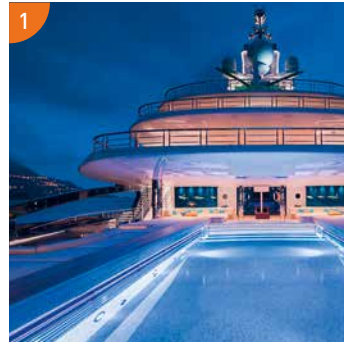
MEGA YACHTS

DESIGN BECOMES REALITY

KNOW-HOW FOR MEGA YACHTS

- HULL + SUPERSTRUCTURE
- ACCESS ARRANGEMENTS
- HIGHLY POLISHED STAINLESS STEEL
- POOL + JACUZZI SYSTEMS
- DECK EQUIPMENT
- INSTALLATION
- WORLDWIDE SERVICE





“It’s a never ending process to aquire and maintain knowledge of how **DESIGN BECOMES REALITY.** Our aim is to meet this challenge.”
 (Owner of the company group about the slogan)

HEINRICH RÖNNER GROUP

The HEINRICH RÖNNER GROUP is a family-run group of companies with strong ties to the sea and maritime sector. Headquartered in Bremerhaven, the group employs 1,200 employees at 18 sites in the north and north-east of Germany. The main scope of activity is the manufacturing of heavy steel constructions.

In the field of mega yacht construction, over the passage of time some of the group’s companies have become specialized. So they have plenty of highly skilled technical experts and well experienced fitters who are available for almost all kinds of requirements.

Image 1
 Outdoor pool of yacht “Luna”
 Source: Boat International

Image 2
 Yacht “Luna” in Bremerhaven

Image 3
 Side terraces of yacht “Luna”
 Source: Boat International

Image 4
 Staircase and railing construction of a private motor yacht

YACHT CONSTRUCTION

- HULL CONSTRUCTION
- FOUNDATION + PIPING
- BULBOUS BOW
- SUPERSTRUCTURE
- EQUIPMENT CARRIER
- MASTS





YACHT CONSTRUCTION

In terms of quality, on-time delivery and with a high degree of specialization, the group has earned a very good reputation in the ship and yacht building industry.

Work in this area will be carried out in accordance with the German shipbuilding standards (VSM). For this purpose, the group has the appropriately trained and qualified staff as well as the necessary welding licences issued by DNV-GL.

The maintenance and further improvement of our work processes is ensured by certified quality management system in accordance with the requirements of ISO 9001:2008.



Image 1
Yacht hull in production

Image 2
Hull out of steel + superstructure
out of aluminium

Image 3
Hull out of steel of yacht "Graceful"

Image 4
Lower mast part out of aluminium

ACCESS ARRANGEMENTS

- TENDER GARAGES
- BATHING PLATFORMS
- SHELL DOORS
- BULWARKS FOR HELI-DECKS
- RETRIEVAL SYSTEMS





ACCESS ARRANGEMENTS

Utilizing our experience with passenger and ro-ro vessels and technical knowledge of this type of equipment, we are successful in applying this technology to mega yachts. Because mega yacht projects demand exacting technical finesse and premium quality workmanship, our involvement from the very beginning is essential. Effective collaborations in the manufacturing of some of the world's largest yachts from the onset have yielded ease of installation and smooth operational performance.

Examples of products are:

- Tender garage doors
- Bathing platforms
- Various types of shell doors
- Hydraulically operated bulwarks for heli-decks
- Pleasure boat retrieval systems

The combination of our personal input and our skills leads to an exclusive product with a distinctive design. To date, we have finalized more than 160 access arrangements for mega yachts of all types and sizes.



Image 1
Balcony platform of yacht "Siren"

Image 2
Shell door of yacht "Siren"

Image 3
Tender garage door of yacht "Siren"

Image 4
Yacht "Siren"

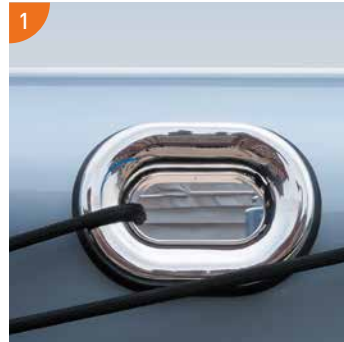
Source: Boat International

HIGHLY POLISHED STAINLESS STEEL

STRUCTURES

- ANCHOR POCKETS
- MOORING EQUIPMENT
- APPLICATIONS
- COVERING
- FENDER BARS
- MASTS





HIGHLY POLISHED STAINLESS STEEL STRUCTURES

Outfitting components for mega yachts must not only be useful, but all meet the highest visual requirements as well as being resistant to corrosion.

To fulfill this highest standard, highly experienced and skilled staff are available for planning, machining and processing of almost all kinds of stainless steel structures.

Examples of finished components are:

- Anchor pockets
- Hawses (incl. fairleads), cleats
- Capstans, mooring equipment
- Flagpoles
- Fender bars
- Stern covers
- Exhaust pipe coverings
- Deck pillars

Image 1
Hawse

Image 2
Polished stainless steel
with high gloss

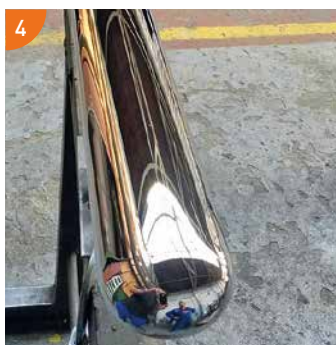
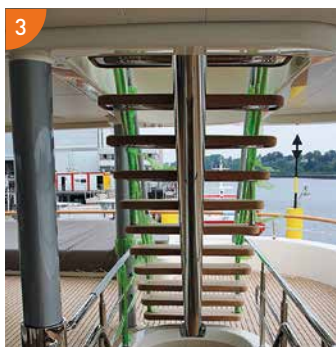
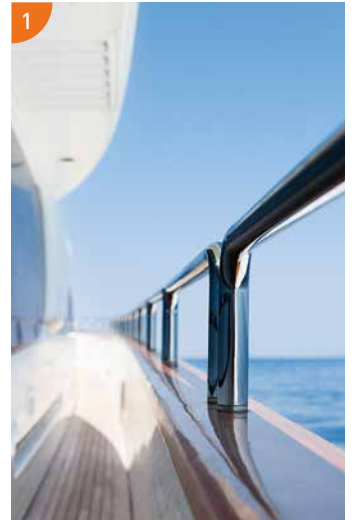
Image 3
Ventilation covers

Image 4
Dorade vent of sailing yacht



RAILING SYSTEMS

- RAILING
- HANDRAILS
- ACCESS + SECURE GATES
- SINGLE BEAM STAIRCASES
- OVAL TUBE HANDRAILS
- GLASS INLAYS



RAILING SYSTEMS OUT OF HIGHLY POLISHED STAINLESS STEEL

Because of the quality, our railing systems enjoy a high reputation in the mega-yacht sector. The surface of these highly polished parts shows the tiniest inaccuracy.

The alignment of the railing segments also plays an essential role for a precisely shaped contour.

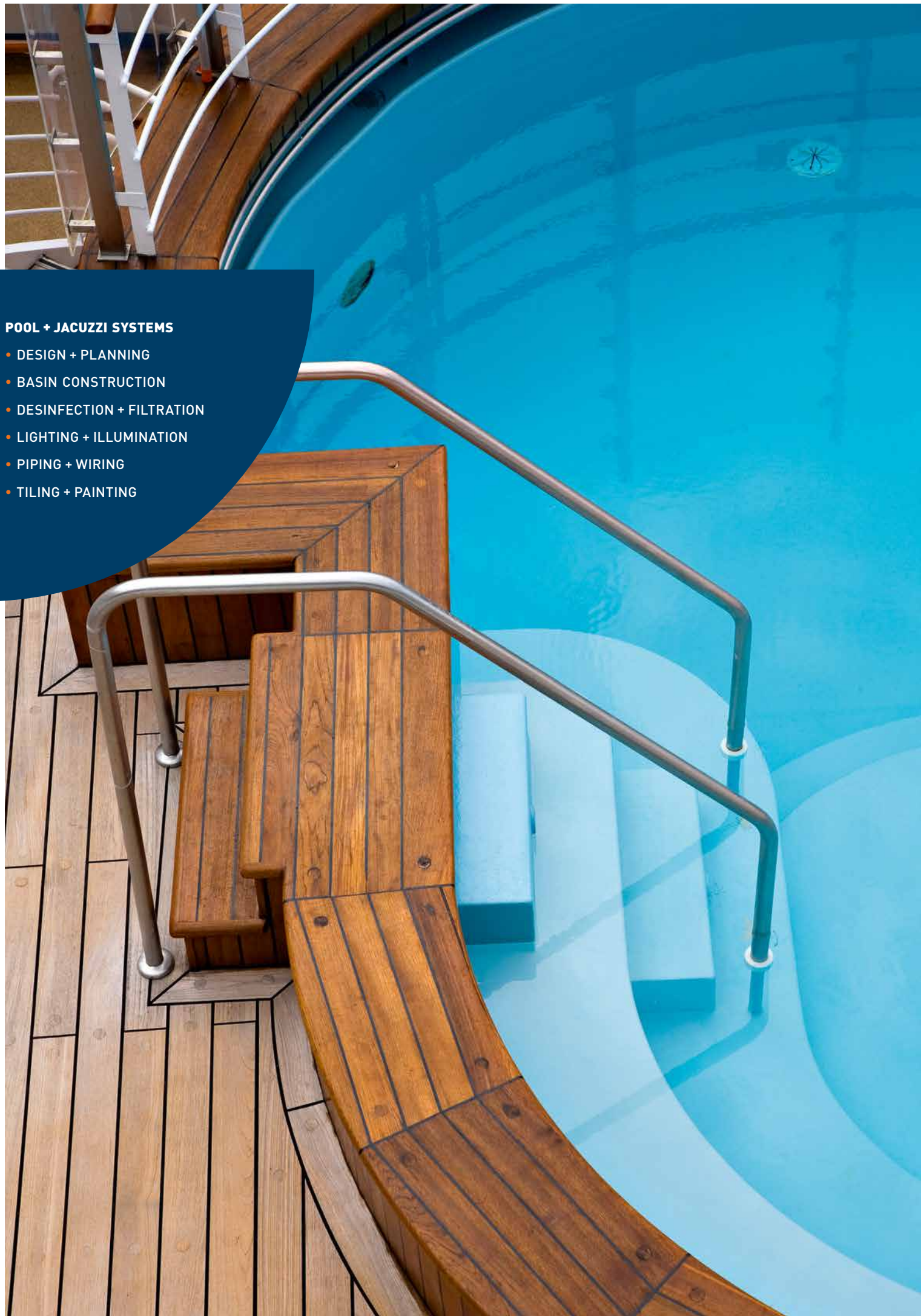
Due to the growing demand for oval shaped handrails, the manufacturing of these special kind of oval tubes in various dimensions are executed in our production.

Image 1
Bulwark railing

Image 2
Staircase railing

Image 3
Staircase railing

Image 4
Handrail out of oval tube



POOL + JACUZZI SYSTEMS

- DESIGN + PLANNING
- BASIN CONSTRUCTION
- DESINFECTION + FILTRATION
- LIGHTING + ILLUMINATION
- PIPING + WIRING
- TILING + PAINTING



Image 1
Pool with waterfall

Image 2
Jacuzzi with shower

Image 3
Oval + round jacuzzis

Image 4
Jacuzzi with teak border

Image 5
Pools + integrated jacuzzi features

POOL + JACUZZI SYSTEMS

Since 1999, a lot of various pool and jacuzzi systems have been planned and implemented. So our know-how has constantly been improved over time.

The pool basins are mostly a combination out of inner stainless steel shell and outer steel structure, which is integrated into the ship's structure. For the construction of Jacuzzis, GRP or stainless steel is used.

For simple integration and installation, the complete water treatment system is manufactured in a modular system. The water is heated by means of heat exchangers with electric heating elements. Shorter heating times can be realized. Heater stages provide up to 1 MW electric power.

On customer's requests special features like showers, massage tables or even waterfalls can be provided. For construction of GRP parts, lighting and tiling, we work together as a team of experts with highly specialized German companies.

LIFTABLE POOL FLOORS

- PLANNING + IMPLEMENTATION
- SAFETY TECHNOLOGY
- ENVIRONMENTALLY FRIENDLY
- CHOICE OF FLOOR COVERINGS
- CORROSION RESISTANT
- SPECIAL FEATURES





LIFTABLE POOL FLOORS

Some swimming pools on the largest mega yachts are equipped with our liftable pool floor systems. The systems operate water-hydraulically or electromechanically, so that contamination of the pool water and the environment is ruled out.

In developing and planning, great importance is given to the safety, reliability and operability of the system. Also with regards to its maintenance and upkeep with special attention is given to corrosion resistance.

Lifting and lowering is usually done by means of scissor designs, which are driven by water hydraulic cylinders. So that the floor can withstand the load carrying strain of a normal deck and can be used for example as a dance floor. The floor is also waterhydraulically interlocked. Between the upper and lower end-position, the floors can be continuously adjusted.

If the sides or the bottom of the pool are fitted with viewing windows, there is a sophisticated alternative driving system: Motion nuts move on rotating vertically arranged spindles in niches within the pool walls. There only remains a vertical slot visible in the pool wall.

The floor plate itself can be designed with different coverings and patterns, depending on the customer's wishes. For example tiles, teak, glass and acrylic glass. When selecting acrylic glass, it is also possible to illuminate evenly the plates with LED technology by using the entire RGB color spectrum.

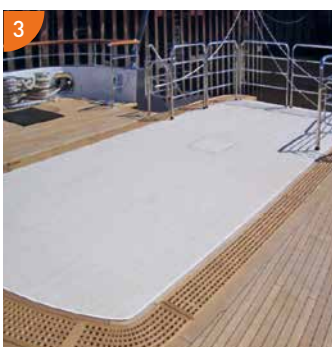


Image 1
Liftable indoor pool floor
Source: Boat International

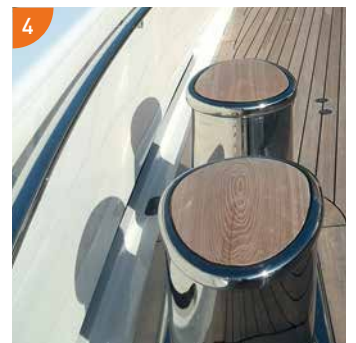
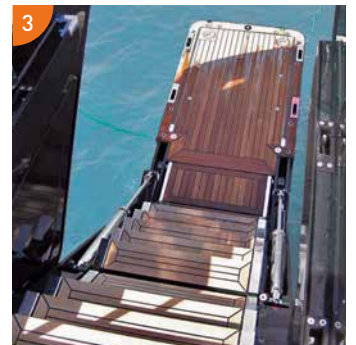
Image 2
Detail of liftable pool floor

Image 3
Liftable outdoor pool floor

DECK EQUIPMENT / OUTFITTING

- PROTOTYPING
- SPECIAL SOLUTIONS
- TEAK SURFACES
- CEILING PANELING





DECK EQUIPMENT / OUTFITTING

Special ships, special wishes ...

Based on many years of experience and exceptional versatility, we are able to deliver customized solutions in a suitable period of time. Our competencies are pooled from all fields, so that even in prototypes lasting functionality can be ensured.

Our own carpentry completes the range of services. Here are offered teak surfaces, exterior ceiling paneling as well as protection and transport devices.



Image 1
Hydraulically foldable rescue hatch

Image 2
Exterior furniture out of aluminium

Image 3
Foldable and rotatable teak stairs

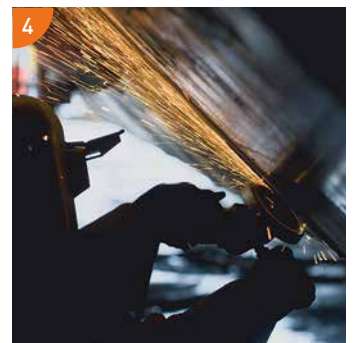
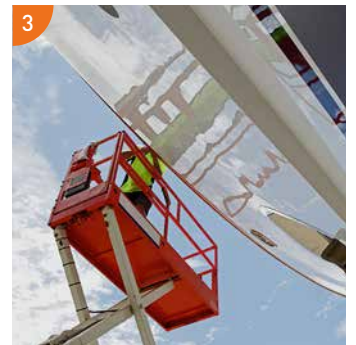
Image 4
Bollard with teak inlay

Image 5
Rotatable venetian blind system

SERVICE

- WORLDWIDE AFTER SALES
- INSTALLATION
- REPAIR + REFIT
- CONVERSION
- RETROFIT
- MAINTENANCE





SERVICE

For us, service starts with the assembly on site, so that the systems or components can be properly handed over to the complete satisfaction of the customer.

We regard worldwide after sales service as a matter of course and offer good staff availability. They are thoroughly familiar with the sensitive circumstances on board of a mega yacht.

If anything is to be changed, retrofitted or replaced to a new or higher standard, we are your reliable partners.

We also offer services at our German sites in Bremen, Bremerhaven und Cuxhaven. In addition to the use of our floating dock, there are several possibilities for berthing.

Image 1
Yacht "Luna" in Bremerhaven

Image 2
Floating dock in Cuxhaven,
Germany

Image 3
After sales services

Image 4
Maintenance work

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