

# NAVAL SOLUTIONS



N·V·L

NAVAL SOLUTIONS

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October 2021

OUR VISION

**“WE STRIVE TO BE THE  
FIRST PORT OF CALL FOR  
NAVIES AND MARITIME  
CUSTOMERS ACROSS ALL  
THE SEVEN SEAS.”**

OUR MISSION

## KEEPING YOU MISSION-READY

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At NVL Group, we consistently provide tailored, smart and cost-effective naval solutions, keeping navies and maritime customers worldwide mission-ready.

We passionately focus on each project and our customers. Our experienced and qualified teams work closely together across our shipyards, exceeding customer expectations by listening carefully to their ideas, understanding their specific requirements, and delivering high-quality new build vessels as well as comprehensive services throughout the entire life cycle of their fleets. We work in trusted partnerships with our customers, providing infrastructure support where needed, and transfer our knowledge and technology to customers around the globe.

As a group of renowned shipyards based on outstanding German engineering and craftsmanship, we take pride in our heritage and continuously strive to remain pioneers of innovative solutions while combining product quality and affordability. We value our employees and take responsibility for the ecological and economical sustainability and the efficient use of resources of our planet – because we care!

Outstanding people with experience and courage, trust, performance and innovation build our DNA – the DNA of shipbuilding.

A REPUTATION BASED ON SUCCESS

# OUR MILESTONES

## OUR HERITAGE

We take pride in our heritage and continuously strive to remain pioneers of innovative solutions while combining product quality and affordability. Since our beginnings in the late 1870s, we have launched more than 1,000 naval vessels and coast guard vessels at our shipyards and have built and repaired ships for both the German Navy and fleets in over 50 countries. The timeline below provides a brief selection of vessels completed at our new build shipyards Blohm+Voss (Hamburg) and Peene-Werft (Wolgast), as well as our heritage shipyards of Fr. Lürssen Werft (Bremen), which today is dedicated solely to yachts.

### Fr. Lürssen Werft, Founded in 1875

								
1930 S1 Speedboat	1957 Jaguar class Patrol boats	1972 Tiger class Missile speedboats	1982 143A Gepard class Fast-attack crafts	1992 MJ332 Frankenthal class Mine countermeasure vessels	1998 FPB 57 Kiliç class Fast patrol boats	2002 BERLIN and FRANKFURT A. M. EGV type 702 Naval support vessels	2008 K130 (boats 1-5) Braunschweig class Corvettes	2010 OPV80 Darussalam class Offshore patrol vessels

### Blohm+Voss, Founded in 1877

								
1912 SMS GOEBEN Battlecruiser	1940 BISMARCK Battleship	1958 GORCH FOCK Three-mast barque	1982 MEKO 360 Frigate	1981 F122 Bremen class Frigates	1992 MEKO 200HN Hydra class Frigates	1994 F123 Brandenburg class Frigates	2002 F124 Sachsen class Frigates	2019 F125 Baden-Württemberg class, Frigates

### Peene-Werft, Founded in 1948

								
1957 Krake class, Mine countermeasure vessels	1964 Iltis class Torpedo speedboats	1969 Kondor class, Mine countermeasure vessels	1981 Parchim class Corvettes	1990 Sassnitz class Fast attack crafts	2012 Multipurpose coastal patrol boats	2013 BONN EGV type 702 Naval support vessel	2016 OPB40 Offshore patrol boats	2021 TS60 Coastal patrol boat

## OUR FUTURE

As we strive towards the future, we continue to build reliable naval vessels for customers around the globe. We take pride in our high quality standards and working together as a team with our customers and between our shipyards for best results. This is a selection of the vessels that are currently under construction within NVL Group.

**Whatever the requirement or the budget, we remain flexible and provide tailored naval solutions from a single source. The breadth of our expertise is demonstrated by our portfolio, ranging from fast patrol boats and offshore patrol vessels to corvettes, frigates, mine countermeasure vessels and logistic support ships.**



K130 (boats, 6-10)  
Köln class  
Corvettes  
Under construction



SEA 1180  
Arafura class  
Offshore patrol vessels  
Under construction



MMPV90  
Corvettes  
Under construction



MBV 707  
Fleet tankers  
Under construction



F126  
Frigates (as subcontractor)  
Under construction

COOPERATING FOR THE BEST RESULTS

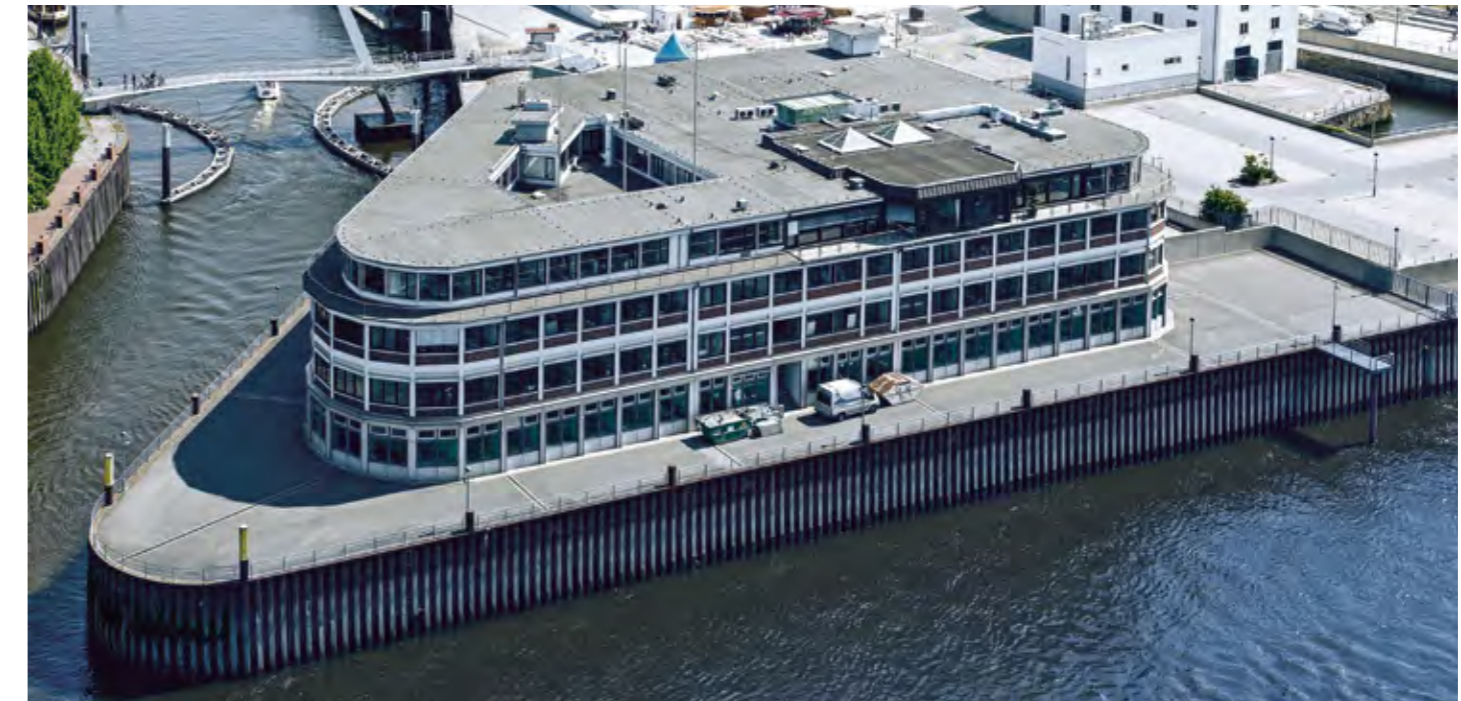
# OUR SHIPYARDS AND INTERNATIONAL OPERATIONS



ABOUT US

## WELCOME TO NVL GROUP

NVL stands for Naval Vessels Lürssen and is an independent, privately owned group of renowned Northern German shipyards and related companies, formerly known as Lürssen Defence. The new build of naval vessels and coast guard vessels is what we do at NVL Group – and that’s not all. Whatever your requirement, we build high-quality ships that provide superior levels of performance – and then sustain this performance throughout their life cycle with the expertise of NVL Services. They ensure your ships are in good shape for deployment when you give the command. Our new build and repair shipyards are strategically located at the North Sea, the Baltic Sea and the Port of Hamburg. As a group of shipyards, we always find the ideal location for your project. When it comes to complex projects, we work together to leverage our full strength and flexibility. Construction at our network of shipyards is supplemented by licensed manufacture at customer facilities around the world under technology transfer arrangements.



WOLGAST

# PEENE-WERFT

As a state-of-the-art shipyard of NVL Group, Peene-Werft is specialised in the new build and repairs of naval vessels and coast guard vessels of all shapes and sizes.

Since its beginnings in 1948, the shipyard has successfully developed tailored solutions, various projects in small series, and production of a series in large quantities. Our breadth of manufacturing possibilities makes Peene-Werft a varied shipyard ready to take on any project.

Located in a small town in the north-east of Germany, the shipyard benefits from its close access to the Baltic Sea.

## WHAT MAKES US STAND OUT

- State-of-the-art shipyard at the Baltic Sea for the full range of new build and repairs of naval and coast guard vessels
- Deep manufacturing breadth, specialised in various working materials like aluminium, non-magnetic materials, stainless steel and more
- Multigenerational team backed by a state-of-the-art apprenticeship programme
- Close cooperation with sister shipyards within NVL Group to ensure the best results for your individual project





HAMBURG

## BLOHM+VOSS

Since its beginnings in 1877, Blohm+Voss has been located in the heart of the Port of Hamburg, Europe's third-largest port and an important and respected centre of shipbuilding excellence.

With hundreds of new builds to date, over the years this shipyard has forged shipbuilding history and set standards in technology and design. Today, more than ever, Blohm+Voss is a leading provider of innovative and customised solutions for the new build of naval vessels.

The shipyard is equipped with vast dock capacities and highly advanced technologies, including multiple floating docks and one of the largest dry docks in Northern Europe.

### WHAT MAKES US STAND OUT

- Several different types of docks to cater to all shapes and sizes of naval vessels and commercial vessels
- Management capabilities to execute complex new build projects
- Highly qualified team with a strong heritage and a passion for innovative ideas
- Close cooperation with sister shipyards within NVL Group to ensure the best results for your individual project

HAMBURG

# NORDERWERFT

Norderwerft has been part of the Port of Hamburg for more than 100 years. To this day, this fully integrated shipyard is renowned for its promptness, flexibility and high quality, offering shipbuilding expertise down to the very last detail.

As a key repair shipyard of NVL Group, Norderwerft is responsible for repairs and conversions, modernisations, upgrades and the maintenance of naval vessels and commercial vessels such as container ships up to 200 metres in length. In addition, the shipyard offers services for other types of vessels such as historical boats, tugboats, dredgers and research vessels.

## WHAT MAKES US STAND OUT

- Repair shipyard with a long history in the Port of Hamburg and docks that hold naval and commercial vessels of up to 200 metres in length
- Specialised in ship repairs, refits, modernisations and upgrades, as well as the maintenance of all kinds of vessels
- Personal and passionate 24/7 service anywhere in the world by our highly qualified, flexible and experienced team
- Close cooperation with sister shipyards within NVL Group to ensure the best results for your individual project







WILHELMSHAVEN

## NEUE JADEWERFT

Founded in 1947, Neue Jadewerft serves NVL Group as a state-of-the-art repair shipyard, specifically designed to handle the full range of repair, refit, overhaul and maintenance of large naval vessels up to 150 metres in length. The shipyard also offers these services for civil ships such as tankers, excavators, container ships, tugboats and more.

Neue Jadewerft is located in the deep-water and tide-free Port of Wilhelmshaven. Thanks to this location, the routes from the main trade lanes in the North Sea to the shipyard are some of the shortest in Germany.

### WHAT MAKES US STAND OUT

- State-of-the-art facilities, uniquely located at the deep-water Port of Wilhelmshaven, independent of tides
- Specialised in the repair, refit, overhaul and maintenance of large naval vessels and auxiliary ships of up to 150 metres
- Strong customer focus from our tight-knit team to provide quality and efficiency, everywhere in the world, 24/7
- Close cooperation with our sister shipyards within NVL Group to ensure the best results for your individual project



# MAKING THE DIFFERENCE



## SYSTEM INTEGRATION DELIVERING A FULLY INTEGRATED SHIP

The integration of onboard systems – including command and control equipment, weapons and sensors – is an important part of our project execution. We focus on the effective interaction of each individual system within a design's overall architecture to ensure seamless operations. At NVL Group, we also make certain that your vessel will interoperate with existing fleet assets, as well as with ships from other navies during joint operations.



## QUALITY MANAGEMENT SOLID CRAFTSMANSHIP

Every naval vessel and coast guard vessel delivered from our shipyards has been inspected down to the finest detail and will comply fully with all relevant industry standards.

NVL Group's reputation for quality stems from our lengthy shipbuilding expertise, outstanding engineering skills, carefully selected supplier network and the commitment that we devote to each and every ship. Our focus on quality assurance commences right at the start of each project and continues throughout all building phases and along all interfaces – until the vessel is completed. Thereafter, we continue to support our customers' requirements throughout the ship's entire life cycle with the assistance of NVL Services.



## TRANSFER OF KNOWLEDGE AND TECHNOLOGY PLACING EXPERTISE IN YOUR HANDS

Sharing our broad expertise in shipbuilding, support and sustainment for our customers' enduring benefit is one of NVL Group's key business objectives. We look to work in partnership with you to understand and fulfil your particular objectives: whether they relate to developing local construction capabilities, improving shipyard infrastructure or enhancing the skills of your shipbuilding workforce. We aim to further enhance your capabilities, providing you with cutting-edge tools and techniques for lasting success.



SECURING THE WORLD'S SEAS

# NVL NAVAL VESSELS

Our objective at NVL Group is to supply high-quality naval vessels that can be relied upon to deliver superior levels of performance throughout their working lives. Drawing on decades of shipbuilding knowledge, our skilled workforce uses the latest shipbuilding technology and modular design techniques to equip your fleet to achieve mission success.

Proven in service with navies across the globe, our naval vessels combine sturdy construction with state-of-the-art equipment to excel on even the most demanding deployments.

With a vast portfolio of naval vessels, and a wide range of service and support options available through NVL Services, we can deliver a ship that meets your exact needs.

## WHAT MAKES US STAND OUT

- Combine the benefits of lengthy experience and cutting-edge technology
- Draw on the knowledge of Germany's entire naval sector
- Flexible designs permit system customisation when required
- Trusted to perform by navies at home and abroad

FRIGATES

# SUPERIOR PERFORMANCE ACROSS THE WORLD'S OCEANS

NVL Frigates are designed to deploy anywhere in the world to achieve maritime superiority in the face of the most intensive dangers. Compliant with current NATO standards and proven in German Navy service, they benefit from the German naval shipbuilding sector's proficiency. All are constructed from high-quality materials and incorporate the latest technology. They are built to provide dependable service over a long life cycle.

Our frigates are able to perform demanding missions in challenging environments. A modular design approach expands equipment options and ensures a true multirole performance. Robust construction is combined with fully redundant systems to enhance survivability. Whatever the requirement, an NVL Frigate is equipped for the task.

### WHAT MAKES US STAND OUT

- Utilise the full extent of German shipbuilding expertise
- Modular design approach supports multiple equipment options
- Incorporate a wide range of advanced weapons systems
- Established designs proven in German Navy service





## CORVETTES

# PROVEN COMBAT MISSION SUCCESS

NVL Corvettes use advanced technology to provide potent capability at an affordable price. Optimised for high-intensity combat, their modular design ensures they can perform a wide range of duties.

Our corvettes are designed to be agile and manoeuvrable, benefitting from tested and proven hull forms. They incorporate generous margins to assist periodic upgrades. Flexible and resilient, NVL Corvettes represent a powerful addition to your fleet.

### WHAT MAKES US STAND OUT

- Effective performance at an affordable price
- Modular design for operational flexibility and ease of upgrade
- Incorporate high levels of survivability
- High accommodation standards
- Design validated by repeat German Navy orders



OFFSHORE PATROL VESSELS

# MULTI-MISSION PERFORMANCE

NVL Offshore Patrol Vessels maintain security in a fast-changing maritime environment. Equally at home in confined coastal waters or in the vast expanses of an EEZ, our OPVs are robust, reliable vessels proven in worldwide service. All can be readily adapted for a variety of demanding duties through the integration of a mission deck with containerised systems. Easy to operate and economical to maintain, NVL Offshore Patrol Vessels use state-of-the-art technology to keep your waters safe.

## WHAT MAKES US STAND OUT

- Proven through service with navies worldwide
- Integration of mission modules for operational flexibility
- Adaptable configurations, such as a stern ramp for fast interceptors
- An optimum balance of naval and commercial standards





## FAST PATROL BOATS

# PROVIDING A RAPID NAVAL RESPONSE

NVL Fast Patrol Boats are optimised for ensuring the safety of littoral seas and coastal infrastructure. Combining high speed with excellent seakeeping abilities, they are based on mission-proven designs that have been refined with the benefit of lengthy real-world experience. Constructed by experts for experts, our fast patrol boats provide you with a powerful yet nimble means of conducting naval operations in littoral waters.

### WHAT MAKES US STAND OUT

- Proven in naval and coast guard service worldwide
- Combine high speed with excellent stability
- Carefully designed hull forms optimise seagoing performance
- Designs refined through decades of operational experience
- Support throughout the vessel's lifetime available from NVL Services



LOGISTIC SUPPORT SHIPS

# SUSTAINING YOUR FLEET

NVL Logistic Support Ships sustain naval operations by ensuring that supplies and other services are always within easy reach. Designed to undertake a wide range of support functions, our logistic ships are built to classification society rules and incorporate military standards as appropriate. All comply with current environmental requirements. Our logistic support ships provide navies with the freedom to perform at distance from their home bases.

## WHAT MAKES US STAND OUT

- Incorporate military standards where appropriate
- A wide portfolio of designs built to classification society rules
- Optimised for safe and effective replenishment
- Able to deploy containerised mission modules
- Provide high standards of accommodation







## MINE COUNTERMEASURE VESSELS

# MASTERY IN MINE WARFARE

NVL Mine Countermeasure Vessels provide an effective and dependable way of combatting the threat posed by modern mine warfare. They combine minehunting, minesweeping, defensive minelaying and clearance diving support functions in a single, non-magnetic steel hull. All can deploy unmanned systems at a distance, but also operate safely within mined waters. Robust and survivable vessels, NVL Mine Countermeasure Vessels offer a proven means of eliminating the danger posed by naval mines.

### WHAT MAKES US STAND OUT

- NATO-proven designs using durable non-magnetic steel
- Superior magnetic and acoustic stealth performance
- Excellent levels of demonstrated shock resistance
- Multi-mission performance inside and outside the minefield
- High transit speeds for rapid deployment







PROTECTING YOUR MARITIME DOMAIN

# NVL COAST GUARD VESSELS

Our mission at NVL Group is to equip coast guards with reliable, versatile ships that provide an effective means of policing territorial seas. Working in partnership, we use our shipbuilding expertise to design vessels tailored to meet specific coast guard requirements. We sustain their readiness throughout their lengthy careers with the support of NVL Services.

Our constabulary vessels are built with the agility to deploy rapidly to the point of danger and with the stability and endurance required to sustain a persistent presence.

Our broad range of coast guard vessels provides a practical and affordable solution to the many challenges that threaten your maritime interests.

## WHAT MAKES US STAND OUT

- Proven with coast guards and maritime constabulary forces worldwide
- Designed to achieve excellent performance in adverse seas
- Provide high accommodation standards
- Built and sustained with the benefit of NVL Group's extensive expertise
- Easy to operate and efficient to maintain

## OFFSHORE PATROL VESSELS

# POLICING TERRITORIAL SEAS

NVL Offshore Patrol Vessels provide coast guards worldwide with a formidable means of policing coastal waters and the seas beyond. Balancing commercial and naval standards, they use modular designs for easy adaptation to meet specific customer needs. Innovative, dependable ships, our coast guard offshore patrol vessels are built to complete challenging missions in a cost-effective way.

### WHAT MAKES US STAND OUT

- Proven in service worldwide
- High performance in a wide range of seagoing environments
- Excellent stability and high crew comfort
- Modular systems include up to five mission containers
- Can deploy a fast interceptor via a stern ramp



## FAST PATROL BOATS

# READINESS IN LITTORAL WATERS

NVL Fast Patrol Boats offer coast guards a swift and potent means of maintaining littoral security. They combine exceptional seakeeping with high manoeuvrability to provide versatile performance across a broad spectrum of missions. Designed for efficient and reliable service, our compact NVL Fast Patrol Boats help safeguard your coastal seas.

### WHAT MAKES US STAND OUT

- Proven in coast guard and naval service worldwide
- Lightweight construction and careful hull design
- Sustained seakeeping and comfort in rough seas
- Built by experienced professionals for experienced professionals
- Enduring readiness supported by NVL Services





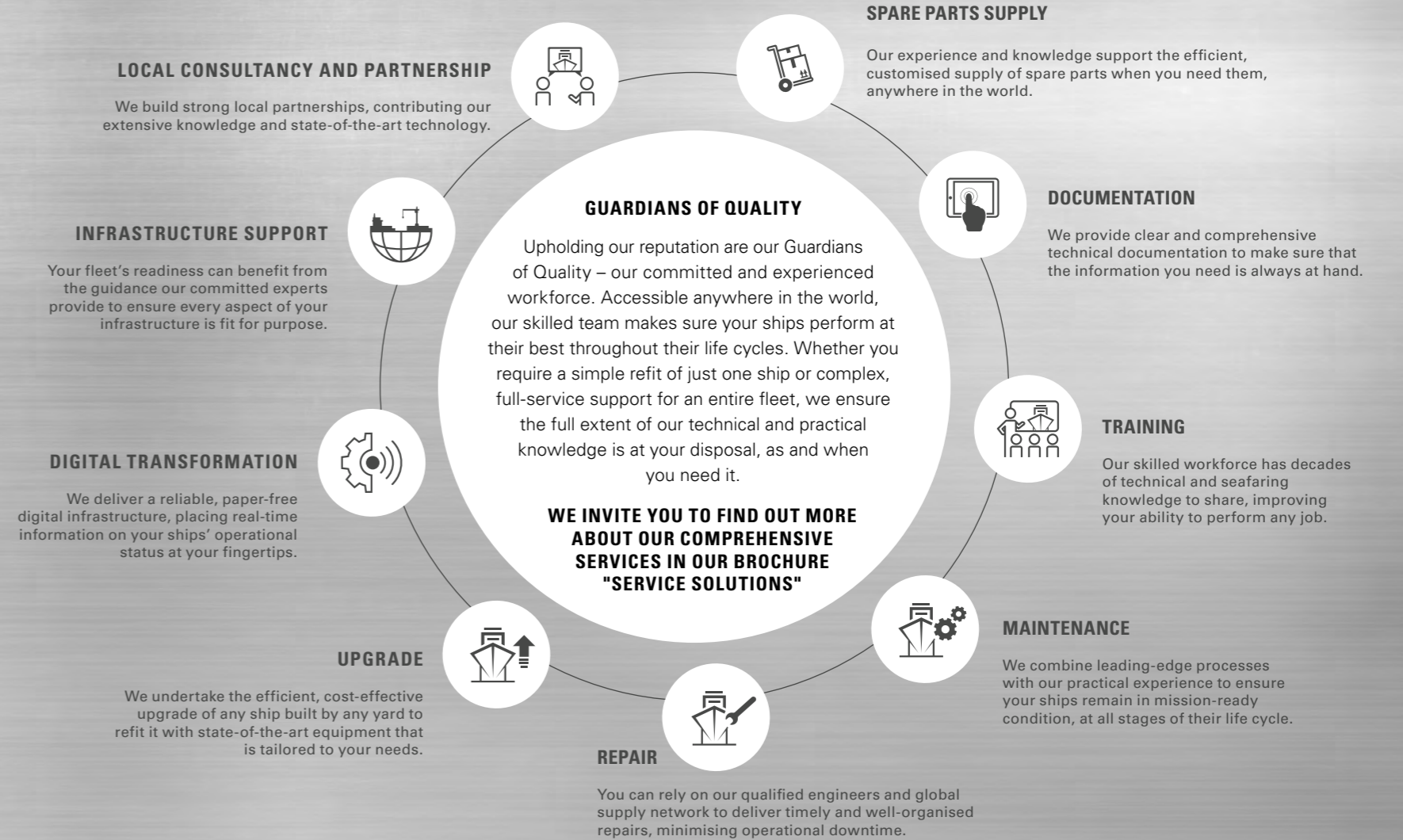
All of our shipyards at NVL Group have been leaders in quality and performance from their very beginnings. Today, our continued reputation for excellence is based both on the capability of the vessels we build and the comprehensive support services we provide to our customers around the world through NVL Services. As a privately owned company with a down-to-earth approach, we provide flexible support that is tailored to your specific needs. NVL Services are available both for vessels built by one of our own shipyards and for those constructed by other shipyards.

LIFE CYCLE SERVICES

# NVL SERVICES

FOR YOUR FLEET

## TAILORED AND COMPREHENSIVE SUPPORT



QUALITY. TRUST. RELIABILITY.

## AT YOUR SERVICE

At NVL Group, we are dedicated to our customers' ideas, committed to their individual requirements and driven by a fundamental difference: our DNA. The DNA of shipbuilding. To find out how we can help you with your specific project, please feel free to get in touch with us. We are at your service.

# NVL • THE DNA OF SHIPBUILDING



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