DAMEN OFFSHORE FOCUS

SURVEY & EXPLORATION  INSTALLATION  PRODUCTION SUPPORT  FACILITY UPGRADE

REPAIR & CONVERSION
The global energy outlook for the coming decades is as challenging as it is promising. The world's population is expected to increase to 9 billion by 2040, with consequent economic growth expected to drive demand for energy up by 35% in the next 30 years. In line with these developments oil will remain the number one global fuel meeting that energy need, while gas is expected to overtake coal to become number two. In the constant search for new reserves, offshore oil & gas production already accounts for one-third of the total oil & gas stream and represents 20% of global energy production.
Damen recognises the offshore market as an important growth market in which we are active and developing our offshore portfolio. Our ambition is to strengthen the market position of Damen by continuously providing reliable and innovative vessels, acknowledging main drivers as cost & delivery time.

Central to our offshore portfolio is its modular approach to design and construction forming the basis to deliver high quality vessels. Damen focuses very much on standardisation in terms of vessels, yard processes and standardised parts. This concept has been pivotal in the Damen success story since its adoption in 1969. Standardisation and keeping vessels in stock leads to short delivery times, low ‘total cost of ownership’, high resale value and strong performance.

Every project within Damen is treated with this philosophy, in which aspects like, project management, planning and cost control are highly valued and necessary for the successful finalisation of our projects.

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**STANDARDISATION**

**KEY TO SUCCESS**

- Reliability, proven and tested technology
- Continuous product development
- Interchangeability of ships, crew and spares
- Fast response to customer requests
- Competitive pricing
- Benchmark for the industry
- Co-maker relationship

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**DAMEN’S STANDARD APPROACH**

- Reliability, proven and tested technology
- Continuous product development
- Interchangeability of ships, crew and spares
- Fast response to customer requests
- Competitive pricing
- Benchmark for the industry
- Co-maker relationship

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**STANDARD OR CUSTOM BUILD**

For a number of Offshore vessels Damen has developed a full range incorporating a high level of standardisation yet meeting customer requirements.

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**PLATFORM SUPPLY VESSELS**

- PSV 6000
- PSV 5000
- PSV 4000
- PSV 3300
- PSV 2500
- PSV 1600

**LENGTH IN M**

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<thead>
<tr>
<th>PSV 6000</th>
<th>PSV 5000</th>
<th>PSV 4000</th>
<th>PSV 3300</th>
<th>PSV 2500</th>
<th>PSV 1600</th>
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Even complex vessels with a high level of functionality are no exception for Damen. This contributes to our level of knowledge and supports our aim to continuously improve our standard designs.
The Damen standard offers all functionality and high quality finish as you would expect from us.

To support the offshore industry, we offer a range of standard platforms meeting the most challenging specifications, yet taking advantage of proven technology, lean building and timely delivery.

For example, our new multi-purpose Damen Offshore Carrier (DOC), Anchor Handler, Platform Supply Vessel and Fast Crew Supply designs are available in a variety of sizes with equipment arrangements suiting specific operational requirements. We are always ready to start from scratch, but we believe Damen designs stand comparison to any custom-built ship.
As offshore developments become more remote, support vessels spend longer at sea. Increasingly, a more comfortable working environment is required for extended stays at sea raising the luxury and amenity level for the crew. From first design principles to outfitting the vessel, Damen prioritises safety and comfort. Our new Sea-Axe design for example significantly reduces the vertical accelerations. Our ability to ensure increased comfort levels is based on the knowledge and experience of our yacht specialist Amels.

We design and engineer our vessels in full 3D, allowing Damen to efficiently plan and execute ship construction. This process facilitates fine tuning to ensure each vessel is virtually fitted out, so the performance can be assessed, weight savings can be identified and layouts optimised. We can draw on our Research & Development departments, TU Delft, MARIN and TNO, providing our clients with well designed, thoroughly tested vessels which offer highly rated technology.

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Damen’s extensive R&D Department represents a powerful force, especially when combined with the Dutch maritime technology cluster.

All Damen vessels benefit from thorough R&D from their initial design, throughout the vessels entire lifetime. Our team is continuously improving our vessels, making them faster, quieter, more cost-efficient and more environmentally friendly.

Besides our consistency in vessel improvement we also consider the impact to the offshore operations and integrated into our designs and product development.
Damen’s innovations are based on close consultation with customers in the specialised markets we serve. We are proactive in our approach, identifying market trends as they emerge to ‘fit for purpose concepts’ as the need arises.

Damen also undertakes research that benefits all of our designs. New developments in the market are closely monitored in terms of new ideas from operators, new techniques or products by our suppliers but also other closely relating markets which we can learn from. Furthermore our broad experience, having built a large portfolio of vessels, provides the necessary know-how which we can rely on. It also gives us a broader perspective where out-of-the-box solutions, or cross-over designs can be beneficial to our customer.

Damen also carries out research into manufacturing aspects, further developing and optimising our building processes looking for improvements and reducing cost. This further facilitates our production friendly engineering.
We design build and test vessels and provide operational training for these vessels. We use A-class components, use proven designs and have a clear focus on reducing down time. This perspective involves fitting separate ship systems, having a close eye on interface large systems such as thrusters, power systems and mission equipment but also on smart, interchangeable spares. To succeed in these matters we have a lot of contact with our co-makers, helping us to realise these goals.

We also learn from our repair & conversion yards, who provides us with useful information and insight from ship owners on practicalities involved. This feedback improves our designs and gives us a better understanding about what the customer requires.

We provide maintenance, spare parts and repair for the complete lifecycle of the newly delivered vessel including our DAMOS software system, which helps you plan and execute your maintenance programmes in every detail.

Obtaining reliability in the way we handle our components, manage our supply chain, execute our yard processes and take care of our customer relations, is what Damen stands for.

Environmentally friendly – Efficient in operation – Economically feasible
Currently, the PSV 3300 has achieved Damen E3 status. At the end of its working life, we aim to ensure that our vessels can be easily recycled, through easy disassembly. This starts with smart design and careful selection of components and materials during construction and it allows us to trace hazardous materials to facilitate easier recycling.
HSEQ is absorbed in the way we design and build our vessels and is practise in all our operations and business processes. The Damen offshore portfolio is underpinned by its group-wide Total Quality Management (TQM) program, which covers every facet of Damen Shipyards operations.

The quality of the Damen Shipyards organisation and products is continuously maintained and upgraded. Damen Shipyards has been approved by Lloyd’s Register Quality Assurance Limited to the ISO 9001: 2008 standards, covering design, construction and delivery of ships, after-sales services and the delivery of prefabricated shipbuilding packages.

Damen Shipyards Gorinchem has also been approved by Lloyd’s Register Quality Assurance to the ISO 14001: 2004 standards. Using our Supplier Code of Conduct, we advocate best practices in all of our building locations. In addition, we provide training on how to use Damen vessels safely and efficiently.
Damen already delivered a number of survey vessels for both commercial and coast guard applications. In this known segment Damen can offer customised functionality to support the inspection, construction and installation of infrastructures.
For locating oil & gas fields our offshore portfolio supports survey and exploration activities with a wide range of vessels including Utility Vessels, Survey Vessels, Fast Crew Suppliers and ROV Support Vessels.

Witnessing the requirements for survey and exploration vessels operating in remote locations and increasing water depth we recognise the challenges. Damen is active in this sector and has delivered a number of different vessels and we continuously strive to improve our designs, in particular from an operational perspective.

Breaking the mould is Damen’s business, reason why we also focus on vessel designs which can be utilised in environmentally sensitive areas including new frontiers like the Arctic. To safeguard these sensitive areas, as well as the personnel working there, we ensure we are at the forefront of the very latest developments in vessel and equipment design.
SURVEY & EXPLORATION - Exploring new oil & gas fields at more remote locations demands cost efficient and reliable vessels such as our Survey vessels, ROV support vessels, Utility vessels but also our new line of PSV’s and AHTS’s.
SURVEY VESSEL CHARACTERISTICS

- Optimised deck layout & work flow, throughout vessel
- Full functionality including crane, deep water winches and A-frame
- Designed to minimise noise & vibrations
- Slender hull design for high transit speed
- Excellent station keeping capabilities
Jumbo Offshore successfully performs a number of installation projects with these heavy lift vessels. Damen built four of these versatile DP vessels proving that we can deliver and support this offshore range.
Damen offers a broad range of construction vessel options to meet even the most challenging duties. Transport barge construction goes back to 1979. Our Stan Pontoons and sea going tugs can be combined to transport pipes, risers, modules, and we also have many years of experience when it comes to submersible pontoons, pipe-laying barges and accommodation barges. Furthermore the range of DP heavy lift vessels delivered to Jumbo are a good example of the extent of our experience in this challenging field.

**INSTALLATION**

In a continuous drive to develop better products for increasing offshore challenges Damen generated a new platform being the Damen Offshore Carrier (DOC). This is the answer to having a standard platform ready which can be utilised for several operations having a strong focus on installation and transport activities. This versatile vessel has been setup from a standard perspective having a distinctive look, sleek bow and slender hull which enables the vessel to sustain its speed and course in head seas.

Furthermore, the DOC reduces fuel consumption, vertical accelerations and slamming, the latter improving comfort and safety. The first customers for the DOC include Van Oord and Maersk Supply Service. This new vessel highlights Damen’s effort to develop its portfolio to support installation segment.
INSTALLATION - For the offshore installation sector Damen’s experience can be seen in Damen Offshore Carrier Platform, Construction support vessels, PSV’s, AHTS’s or infield cable layers, each covering their specific work scope during cable lay and Subsea, Umbilicals Risers & Flowlines- (SURF) installation activities.
The distinctive design has been developed to cater for a high level of functionality and provides high operability in harsh environments. This focuses on an optimised tank arrangement, offshore AHC crane, ROV spread, deep water winch spread and helicopter facilities. It also has an advanced level of comfort in the accommodation and a reduction in vertical accelerations during transit or at the location, which is beneficial for the crew. This vessel sets a new standard.

Having a standard platform in mind, while at the same time meeting purpose-specific demands suiting specific operations was the idea behind establishing this new concept. This challenge was taken up and due to continuous R&D efforts, aiming for flexibility in our design, the DOC was born. The DOC offers a flexible approach for both transport and offshore installation work. The capabilities are very much in line with the current market requirements in terms of regulations, sea keeping, transit conditions and personnel comfort.

We build a standardised range of heavy deck cargo barges for stock. We are able to deliver fast and worldwide. The bigger pontoons (beam ≥ 24m) have everything needed to be used in offshore projects like an extensive towing- and mooring arrangement, a ballast system, a course stable and efficient hull shape, wear & tear extra heavy deck and off course high safety precautions.
This Oil Recovery Vessel is a dedicated design according to specific customer requirements. Besides inflatable containment booms and an accompanying skimmer system, the vessel also incorporates all the required clean-up and detection services as well as A-frame, several cranes and rescue facilities.

The range of Fast Crew Support Vessels is based on our successful Sea-Axe design which has proven itself and is well-known for its seakeeping characteristics at high speed. The particular hull shape results in fewer vertical accelerations and hull slamming, making it much more comfortable for the passengers and crew.

For each type of vessel Damen has developed a full standard range providing comfort, performance and quality.
In order to give immediate response in case of an oil spill or potential leakage the OSRV is fully equipped to provide support minimising the environmental impact. The vessel has a dedicated design where by means of a detection system, dispersant system, skimmer system and inflatable booms a swift cleaning operation can be performed.

The accommodation support vessel is designed for a total of 52 persons all with private cabins and own private sanitary facilities. It furthermore has recreations rooms, mess rooms, offices, a gymnasium, a conference room, a library, a treatment room, stores and workspaces. It can optionally be provided with an offshore crane and access system for offshore support activities.

**PRODUCTION SUPPORT**

Damen-built vessels play a central role in offshore production at locations around the world. Our PSV’s, Safety Standby Vessels, Fast Crew Suppliers, Oil Spill Response Vessels, barge range and the new Walk2Walk vessel are designed for a high level of performance in their field of operations. Damen focuses on efficiency and reliability for each vessel having a positive effect on the day rate.

Whatever the specific requirement, Damen has tailor-made vessels suitable for the transport of personnel, transport of equipment, risers and drill pipes but also for subsea work using ROVs, offshore cranes, A-frames or deep water winches. Our vessels provide a well-balanced dynamic positioning system and enhanced station keeping. These features combined with optimised manoeuvrability offer a stable platform even when vessels are in harsh environments.

This can be underpinned by our high-speed craft which provide a high level of comfort for people on board during transport to the production facilities. Due to the Sea-axe design the vessel characteristics are improved significantly which ensures that the personnel are safe, and ready and fit for work. We learn from our customers as well from our repair & conversion yards, taking this into account we can offer a top quality as well as reliable vessels for this segment.
PRODUCTION SUPPORT - Damen’s extensive range of vessels used during production support includes Fast Crew Suppliers, Oil Spill Response vessels, PSV’s, Standby Vessels and Walk2Work vessels.
DEEP WATER WINCH PACKAGE
- AH/towing drums: 2 x 400 ton at 10 m/min pull, 450 ton brake - 2x 3000 m 87 mm wire
- Special handling drum: 1 x 400 ton at 10 m/min pull, 450 ton brake - 1 x 7000 m 87 mm wire
- Secondary winches: 2 x 140 ton at 10 m/min pull, 140 ton brake - 2 x 1600 m 208 mm rope
- Storage winch: 1 x 20 ton pull, 23 ton brake - 2 x 2300 m 208 mm rope
WELL STIMULATION VESSEL

MULTIPURPOSE - DIVING SUPPORT VESSEL

CONSTRUCTION SUPPORT VESSEL
New finds in deeper waters and more remote locations lead the current offshore vessel market, but the fact is that mature offshore fields also offer Life Of-Field (LOF) extension potential, whether through expansion, upgrades or the emergence of new independent producers. Even maintaining production at existing levels can require substantial refurbishment and upgrade work or can it lead to tie-in work.

Wherever LOF extension opportunities and challenges exist, Damen can offer its PSV’s, AHTS vessels, Heavy Lift, Construction or Multi-Purpose Vessels to match the customer’s needs. Deep water developments may also require ROV support where the subsea infrastructure is too deep to deploy divers.

Besides these vessels Damen has created a well stimulation concept incorporating our Damen distinctive hull and accompanying advantages, ready for a client-specific well stimulation spread.

The driver in this segment is to reduce cost and make an oil or gas field economically viable by upgrading the capacity of the well or tie-in satellite wells enhancing the facility’s output. Damen recognises this need to be cost effective and hence our vessels are designed to minimise operational costs.
PSV 5000 IN IRM EXECUTION
(UNDER CONSTRUCTION)

FACILITY UPGRADE - Vessel activities ranging from well stimulation, Inspection Repair & Maintenance to tie-in of satellite platforms, in short; life-of-field extension.
The Damen Fast Inspection Repair & Maintenance Vessel is a new development which underpins our aim of setting up a new line of innovative offshore vessels. This vessel is specifically designed to achieve high mobilisation speeds in combination with a high functionality level with respect to repair & maintenance activities.

A dedicated roll reduction system will optimise sea keeping behavior at zero-speed while the special Sea-axe bow reduces the vertical accelerations and increases comfort levels at high speed.

**FAST INSPECTION & MAINTENANCE VESSEL**

- High transit speed: 22kn
- AHC offshore crane
- Launch & Recovery system
- Moonpool functionality
- Oil spill recovery system
- Optional dive support system
DAMEN SERVICE SUPPORT VESSELS

Damen is able to deliver vessels from straightforward suppliers with the best price-quality ratio, to ultra-silent, fishery research vessels and Fast Crew Suppliers. With many years of ship building practice Damen has the know-how to design and build complex vessels to support specialist tasks, particular important in the offshore sector.

We have already built an extensive number of vessels, barges and pontoons with similar complexity operating in close relating sectors. These vessels are utilised in dredging- or civil projects, performing coastal- and harbour activities but also supporting the coast guard, effecting the security of offshore assets and performing coastal transport. Therein lies the strength of Damen to understand our customer and build these one-off vessels based on our very broad experience.
The layout and functionality of the W2W vessel has been designed to get offshore maintenance engineers quickly and safely on-site. It features a motion-compensated gangway for maintenance crew transfer and guarantees unrivalled availability. The W2W vessel will support maintenance crews in comfort for sustained periods at sea, reflecting this shift further from shore.

By optimising the hull form and positioning accommodation amidships, vertical accelerations have been reduced by 30%. Internal spaces have also been mapped to optimise workflow and storage, while accommodation areas have been designed to create a high level of comfort.

For years Damen has been active in the offshore industry by creating new designs and delivering vessels, whether standardised or custom-built. To satisfy our customers and better understand their specific needs we are in constant contact with the oil majors, ship owners and operators, defining trends, reviewing current innovations and investigating which improvements can be incorporated in our designs. These activities together with our extensive vessel knowledge have resulted in a number of new developments such as the Walk 2 Work, Fast Crew Supplier and Fast Inspection Repair & Maintenance concepts.
Damen Shipyards developed a range of Anchor Handling Tug Supply vessels as a response to the AHTS’s market demand. With a distinctive design these versatile vessels range from 75 ton bollard pull up to 200 ton bollard pull. The latter version is specifically meant to serve deep water offshore operations with a current maximum depth of 3,000m. The 200 ton BP vessel has a large working deck, an extensive winch lay-out, state-of-the-art deck equipment as well as ROV functionality. It provides a suitable platform for additional features such as FiFi, oil recovery, diving support and potentially subsea construction.

The propulsion installation may be either Diesel-Direct, Diesel electric or Hybrid, depending on the anticipated operational profile of the vessel. The carefully modelled hull lines together with a dedicated propulsion design and power generation system are tuned to reduce fuel consumption.
Via the Wilson, Sons yard in Brazil more than 80 vessels have been delivered over the last 20 years. Our track-record in Brazil comprises of 16 delivered PSV’s, 2 OSRV’s and 1 ROV Support Vessel under construction and further 2 PSV’s 5000 on-order. This relationship shows how Damen can anticipate on the ever increasing local content requirements in key oil & gas growth markets by using the DTC business model which is applicable anywhere in the world.

This PSV 5000 is the latest example of the high level of cooperation between Damen and Wilson, Sons where Wilson, Sons builds vessels on-site using our Damen design, engineering and material package through DTC. This unique concept provides the opportunity to build Damen vessels on-site anywhere in the world. Damen will provide you with a prefabricated shipbuilding kit and can, on request, combine this with technical assistance, training and back-up. It’s possible to make a custom-built design, fulfilling any specific local requirements while still using standardised components. This cost-efficient technique can be applied to the full-range of Damen vessels across a wide variety of marine operations.
Currently, one in five Damen vessels is built on-site with support of Damen Technical Cooperation (DTC). In addition, customers can take the design-only option and have the vessel built by a shipyard of their choice. The degree of involvement of DTC is geared towards the customers preferences and local requirements.

Back in 1976, Damen was the first yard starting to build their own designs adapted to local requirements on local yards. Geographical restrictions (e.g. inland lakes) but especially increasing Governmental restrictions (e.g. import restrictions and local content regulations) are the drivers behind this unique business model. The DTC portfolio ranges from license agreements, enabling shipyards to use Damen designs, to delivery of complete or partial shipbuilding kits including on-site building assistance. Other services of DTC are preparation of feasibility studies, consultancy on yard investment plans and local turn-key projects. The flexibility of the DTC business model assures that Damen can anticipate on the increasing local content guidelines in upcoming offshore oil & gas markets regarding local construction and components.

Since establishing DTC over 1,000 vessels have been built locally in more than 70 countries worldwide.
In addition to shipbuilding and ship design Damen offers a network of 15 repair and conversion yards worldwide, with dry docks up to 420 x 80 m. Conversion projects range from adapting vessels to today’s requirements and regulations to the complete conversion of large offshore structures.

DAMEN SHIPREPAIR & CONVERSION
YOUR PARTNER IN OFFSHORE AND CONVERSION

Damen Shiprepair & Conversion handles 1,500 repair and maintenance jobs annually. We have yards in northwestern Europe as well as in Singapore, South Africa and the U.A.E. Combined, the group has over 38 dry docks and synchrolifts, including one of the largest dry docks in Europe. Damen Shiprepair & Conversion has a global network of dedicated product and area managers, ensuring that you always have a fixed contact person, whatever your request might be.

With 15 yards, the group has a unique advantage for you as a client: with one offer you can dock at any of the yards, whichever is most convenient for you. This minimizes deviation, saves costs and increases your flexibility.
ABOUT DAMEN SHIPREPAIR & CONVERSION

- We offer a network of 15 repair and conversion yards worldwide
- We operate 40 dry docks of all types and sizes (largest one 420 x 80 m)
- We work with highly skilled teams to carry out the most challenging and complex projects
- Safety is priority at our yards. We comply with offshore industry HSEQ standards
- We have partnerships with renowned topside manufacturers
- Many of our yards are located in or nearby petrochemical industry clusters

MAINTENANCE

Damen Shirepair & Conversion is a preferred supplier of maintenance to an extensive variety of vessels from around the world. Whether it concerns blasting, hull conservation and surveys, it’s all in a day’s work at our yards.

REPAIR

A vessel’s breakdown is always inconvenient. However, due to the wide spread of Damen Shirepair & Conversion yards we are never far away. This comes at a great advantage to you, as your vessel will be back in business as soon as possible. Damen Shirepair & Conversion is able to restore any kind of damage whether it concerns fire, steel, water or engine damages.

CONVERSION

During the lifetime of a vessel, its purpose might change. Damen Shirepair & Conversion is well-fitted to take on every conversion from start to finish. With a strong design and engineering team, we are able to assist you at your earliest convenience. The group has an extensive network of suppliers, ensuring that we are a ‘one-stop-shop’ for all your needs.

REFIT

After years of service, a vessel might require a lifetime extension or second youth. Damen Shirepair & Conversion is readily available to assist you in designing, engineering and carrying out of the required refit. The group has built up an extensive track record of refits for major players in, for example, the offshore industry.
 The Rowan Viking is one of the largest rigs of the Keppel Fels ‘N’ class drilling rigs. The rig had to be prepared for a job in the deep Norwegian waters for which it needed a leg extension. The legs were lengthened with 10 metres to an impressive 180 metres at the quayside of Damen Shiprepair Vlissingen.

The project was supervised by Damen Shiprepair and Conversion’s special task force ‘Offshore & Conversion’. Thanks to the methods chosen by the task force a lot of work was carried out simultaneously, drastically shortening the turnaround time.

**TYPES OF WORKS DONE FOR THIS PROJECT:**
- Special Periodic Survey (certification extension)
- Acknowledgement of Compliance Scope (safety modifications in accordance with Norwegian law)
- Leg Extension Scope (the 170-metre legs have been extended to 180 metres to be able to work in the deeper Norwegian waters).

The offshore support vessel Relume moored alongside at ship repair and conversion yard Damen Shiprepair Rotterdam at the beginning of 2014. With her second special survey due later in 2014 her owner, MENAS Marine Services Ltd (MMSL), decided that it was also time to upgrade the vessel after extensive research and detailed discussions with charterers and contractors, decided that it is also time to upgrade the vessel.

The Relume, which has a record of successful operations in the North Sea area, was designed and built by Damen, entering service in 2004. Over the ten years since delivery Damen Shiprepair & Conversion has undertaken her dry-dockings and surveys. In its role as ‘total service provider’ for the vessel, Damen was asked to create the upgrade plan for the Relume, and in December 2013 MMSL and Damen signed the contract for a turn-key project.

**THE MOST IMPORTANT IMPROVEMENTS WILL BE:**
- The installation of a heave compensated crane with 1,000 metres of drum capacity
- The provision of additional electrical power on the working deck for charterers’ equipment such as ROV systems
- More powerful bow thrusters
- Updating the Kongsberg DP system
- An increase in the number of berths to 67 and additional offices for the use of clients.
POLARCUS NAILA

3D Seismic Vessel Polarcus Naila underwent a propulsion upgrade and modification works at Shipdock Amsterdam. In order to be classified as a Special Purpose Ship the 3D Seismic Vessel Polarcus Naila underwent a propulsion upgrade and modification works at Shipdock Amsterdam. Furthermore, the scope of work included Ballast Water Treatment installation, installation of a new workboat and davits, relocation of the MOB and the 5-year special survey.

Pre-fabrication works on the two gondola’s, which need to be fitted to the vessel, have been done at Niron staal, also they were completely outfitted before arrival of the vessel at the yard. Niron Staal also part of Damen Shipyards Group, is a specialised steel construction and machining company located in the Port of Amsterdam on the premises of Shipdock. The vessel were at the yard in Amsterdam for a period of 35 days in which the conversion works were realized.

TYPES OF WORKS DONE FOR THIS PROJECT:
- Conversion
- Propulsion upgrade
- Modification works
- Ballast Water Treatment installation
- Installation of new workboat and davits
- Relocation of the MOB
- 5-year special survey

STANISLAV YUDIN

Damen Shipyards Rotterdam (DSR) did a major refit of the Stanislav Yudin, a 24,800 ton heavy crane vessel owned and operated by Seaway Heavy Lifting (SHL). DSR completed a complex refurbishment that included a complete upgrade of the accommodation - designed for 151 persons - and the underlying machinery spaces.

More than 15 companies were involved in the complex schedules of works, which were coordinated by a team of planners who ensured they operated alongside each other in the most efficient way possible. To aid this process the vessel was divided into four individual zones, each under the supervision of dedicated project managers from both DSR and SHL.

TYPES OF WORKS DONE FOR THIS PROJECT:
- Refit
- Complex refurbishment
- Upgrade of accommodation sections
- Upgrade machinery spaces
Being active in shipbuilding for over 85 years Damen shipyards has grown into a multinational shipbuilding group which embodies a large share of expertise, having delivered a wide range of vessels. In time Damen developed a standardisation philosophy while continuously committing to deliver innovation, quality and customer care resulting in a well-known name in the maritime industry.

Throughout the years our design- and build capabilities have grown where Damen yards are now located throughout the world. From our standardised design-concept we provide efficient solutions creating added value for the customer. In ever changing markets we keep on striving to improve our designs while aiming for cost-efficiency, safety, reliability, reduced downtime. Damen has a healthy ambition to increase market share in the offshore, this requires hard work and understanding the customer needs. This is supported by our Shiprepair and Service capabilities giving us the necessary feed back on operating a vessel in often harsh environments. It produces valuable information and data which feeds our new build & innovation skills and progresses our worldwide ship building practice.
GLOBAL PRESENCE
FOUNDED IN THE NETHERLANDS

THE NETHERLANDS
Damen Shipyards Gorinchem
Damen Marine Services
Damen Trading
Damen Schelde Naval Shipbuilding
Damen Schelde Gears
Damen Schelde Marine Services Vlissingen Amels
Bodewes Binnenvaart Millingen
Damen Dredging Equipment
Damen Marine Components
Damen Anchor & Chain Factory
Damen Shipyards Bergum
Damen Shipyards Den Helder
Damen Shipyards Hardinxveld
Maaskant Shipyards Stellendam
Damen Shipyard Rotterdam
Damen Shipyard Vlissingen
Oranjewerf Amsterdam
Shipdock Amsterdam
Shipdock Harlingen
Van Brink Rotterdam

FRANCE
Damen Shiprepair Brest
Damen Shiprepair Dunkerque

POLAND
Damen Shipyards Gdynia
Damen Shipyards Kozle
Damen Marine Components Gdansk

ROMANIA
Damen Shipyards Galati

SWEDEN
Damen Oskarshamnsvarvet

TURKEY
Damen Shipyards Antalya

UNITED KINGDOM
Brixham Marine Services

BRAZIL
Wilson, Sons**

CUBA
Damen*

QATAR
Nakilat Damen Shipyards Qatar*

SOUTH AFRICA
Damen Shipyards Cape Town

U.A.E.
Allwardy Marine Engineering*
Damen Shipyards Sharjah (FZE)*

AUSTRALIA
Damen Services Brisbane Pty Ltd***

CHINA
Damen Marine Components Suzhou
Damen Trading Suzhou
Damen Yichang Shipyard*
Damen Shipyards Changde
Afai Southern Shipyard**

INDONESIA
PT Dumas**
PT Pal**
PT Steadfast Marine**

SINGAPORE
Damen Shipyards Singapore
Damen Schelde Marine Services Singapore

VIETNAM
Damen Song Cam Shipyard
Song Cam Shipyard**
Song Thu Shipyard**
189 Shipyard**

* Joint venture  ** Business cooperation  *** Damen Service Hub
Damen offers a wide-ranging portfolio of customer support services, covering the complete vessel’s lifecycle; from start-up, through deployment to lifetime extension.

We help our customers achieve their goals in terms of uptime, reliability and costs. By working closely with the customer, Damen Services is able to develop and improve its portfolio to meet any specific requirements.

If a ship is unable to sail to a Damen Ship Repair & Conversion yard, then Damen Repair & Conversion, in cooperation with Damen Services, is capable of executing maintenance and repair activities on a location indicated by the customer.
Damen Shipyards Group puts every effort into presenting the correct information in its brochures and publications. As circumstances (incl. regulations, vessel designs etc.) are susceptible to change, Damen is not responsible for any deviations as to complete, correct and up-to-date information.

If you have any comments on our brochures, please let us know: info@damen.nl
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TOP ROW, LEFT TO RIGHT
STAN PONTOON B32
SHOALBUSTER 2709 & STAN PONTOON 8916
FAST CREW SUPPLIER 3009
PLATFORM SUPPLY VESSEL 3300
CONSTRUCTION SUPPORT VESSEL 8019 (NOT AWARDED)
FAST INSPECTION & MAINTENANCE VESSEL (NOT AWARDED)

SECOND ROW, LEFT TO RIGHT
LOR BARGE
RESEARCH VESSEL 3609
PURPOSE VESSEL 8116
DAMEN OFFSHORE CARRIER 8500
WALK 2 WORK VESSEL (NOT AWARDED)

THIRD ROW, LEFT TO RIGHT
PIPE LAY BARGE 10129
BUOY LAYING VESSEL 8317
OIL RECOVERY VESSEL 6797
ANCHOR HANDLING TUG SUPPLIER 130
ARCTIC MODULE SUPPLY TUG VESSEL (NOT AWARDED)

BOTTOM ROW, LEFT TO RIGHT
SAFETY STANDBY VESSEL 4711
JUMBO HEAVY LIFT VESSEL 1800
FAST CREW SUPPLIER 2610
ROV SUPPORT VESSEL 8318
OIL SPILL RESPONSE VESSEL 1050
INFIELD CABLE LAY VESSEL (NOT AWARDED)

COLOPHON

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editor Damen PR department
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