Damen Shiprepair & Conversion has established a global sales network with dedicated area managers and product group managers. This means our customers will have dedicated contact persons helping them with all their requirements.

We appreciate our customers feedback, enabling our ambition to improve our performance continuously and set a new standard in the repair and conversion of ships. By cooperating on a large scale we are able to streamline our activities and realise objectives such as safe working conditions, competitive prices, short lead times, high quality workmanship and an overall reliability in our service.

Damen Shiprepair & Conversion operates more than 38 dry docks and synchrolifts. We offer a full range of services in maintenance, repair, refit and conversion of vessels and offshore constructions of all sizes.

We are looking forward to welcome you at one of our yards!
1. **Damen Oskarshamn**
   - Location: Oskarshamn, Sweden
   - Length: 315 m
   - Beam: 75 x 15 x 5 m
   - Depth: 100 x 30 m
   - Capacity: 5 > 65 t

2. **Damen Shiprepair Harlingen**
   - Location: Harlingen, The Netherlands
   - Length: 790 m
   - Beam: 4,300 t
   - Depth: 60 x 140 m
   - Capacity: 4 x 20 t

3. **Damen Shipyards Den Helder**
   - Location: Den Helder, The Netherlands
   - Length: 260 m
   - Beam: 110 x 18.5 x 5.3 m
   - Depth: 30 x 115 m
   - Capacity: 25 m

4. **Damen Shiprepair Amsterdam**
   - Location: Amsterdam, The Netherlands
   - Length: 1,170 m
   - Beam: 140 > 250 m
   - Depth: 15 > 90 t

5. **Damen Shiprepair Oranjewerf**
   - Location: Amsterdam, The Netherlands
   - Length: 522 m
   - Beam: 135 x 23 x 8 m
   - Depth: 105 x 12 m

6. **Damen Shiprepair Rotterdam**
   - Location: Schiedam, The Netherlands
   - Length: 940 m
   - Beam: 216 x 307 m
   - Depth: 216 x 28.3 x 8.9 m
   - Airdraft: 160 > 175 m
   - Capacity: 12 > 200 t

7. **Damen Shiprepair Van Brink Rotterdam**
   - Location: Rotterdam, The Netherlands
   - Length: 620 m
   - Beam: 103 x 217 m
   - Depth: 5 > 30 t

8. **Damen Shipyards Maastricht**
   - Location: Stellendam, The Netherlands
   - Length: 500 m
   - Beam: 97 x 43 m
   - Depth: 10 x 21 m

9. **Damen Shiprepair Vlissingen**
   - Location: Vlissingen, The Netherlands
   - Length: 925 m
   - Beam: 175 x 25.3 x 7.7 m
   - Depth: 215 x 29.8 x 8.7 m
   - Airdraft: 229 x 36 x 7 m
   - Capacity: 12 > 150 t

10. **Damen Shiprepair Dunkerque**
    - Location: Dunkerque, France
    - Length: 840 m
    - Beam: 107 x 310 m
    - Depth: 180 x 29 x 6.8 m
    - Capacity: 12.5 > 50 t

11. **Damen Shiprepair Brest**
    - Location: Brest, France
    - Length: 1,570 m
    - Beam: 220 x 430 m
    - Depth: 30 x 150 t
    - Capacity: 45 > 150 t

---

**Europe**
ALBWARDY MARINE ENGINEERING
DUBAI / FUJAIRAH, U.A.E
2,900 m
4 x 345 > 6,000 t net
5 > 500 t

DAMEN SHIPYARDS SHARJAH
DUBAI, U.A.E
1,200 m
5,200 t net
5 > 500 t

DAMEN SHIPYARDS CAPE TOWN
CAPE TOWN, SOUTH AFRICA
437 m
152 x 21 x 8 m
350 x 38 x 14 m
5 x 1,778 t
15 > 50 t
200 t

DAMEN SHIPYARDS SINGAPORE
SINGAPORE
MAX 7 VESSELS
> 200 t

WORLDWIDE FACILITIES

> 13,000 m of BERTHS
18 FLOATING DOCKS up to 229 m
4 SLIPWAYS up to 100 m
13 GRAVING DOCKS up to 420 m
2 COVERED GRAVING DOCKS up to 216 m
AIRDRAFT up to 51 m
10 SYNCHROLIFTS up to 6,000 t
1 COVERED SLIPWAY up to 40 m
AIRDRAFT up to 10 m
2 COVERED REPAIR FACILITIES
1 REPAIR PLATFORM

CRANES
FLOATING CRANE
MOBILE CRANES

MIDDLE EAST
AFRICA
ASIA
Damen Shiprepair & Conversion is committed to a safe and healthy workplace, everyday, everywhere. At our yards there are people welding, lifting, painting, installing, building and cleaning all at the same time. The combination of these activities demands the active implementation of comprehensive HSEQ policies. It protects our employees and minimises the impact of our ecological footprint.

**IMPLEMENTATION**

Damen Shiprepair & Conversion has an HSEQ committee which oversees all HSEQ matters. This committee establishes procedures and guiding principles according to the company's HSEQ policy. All Damen Shiprepair & Conversion yards are part of an auditing program to monitor if the methodology is consistent with the HSEQ policy.

**LEGISLATION AND RISK MANAGEMENT**

We operate globally and every country has its own legislation. As a minimum all Damen Shiprepair & Conversion yards comply with all applicable laws and regulations in the countries of operation. Furthermore all our yards are obliged to maintain the repair groups HSEQ policy. In this way our clients are ensured they will always be in a safe and controlled working environment whichever Damen yard they choose. We strive to mitigate the impact of any foreseeable and unforeseeable hazards, which may endanger health, safety and environment. We achieve this through risk assessments, individual training, evaluations and a lessons learned system.
SUSTAINABILITY
INVESTING IN OUR FUTURE

We believe that protecting and conserving our environment should be a joint effort between client and contractor. Our aim is to provide quality within budget, in combination with a mutual focus on preserving our world for future generations. Damen Shiprepair & Conversion plays a leading role within the European ship repair sector, protecting the environment and working according to the latest techniques.

RESEARCH PROGRAMS

Currently, Damen Shiprepair & Conversion is actively engaged in research programs on Ballast Water Treatment systems (both on-board and land-based) and, due to tightening international environmental regulations (SECA), emission reducing systems. In addition, and perhaps even more important to shipowners, we are finding ways to install these systems in older vessels at the lowest possible cost, for example by introducing methods where the installation can be done afloat.

MANAGEMENT RESPONSIBILITIES

The management teams of the Damen Shiprepair & Conversion yards have an active role in protecting employees, assets and the environment in accordance with our policy. They ensure that the prevention of injuries, illnesses and pollution have a high priority during projects. We maintain our management systems to ISO 9001 and/or ISO 14001. Almost every Damen Shiprepair & Conversion yard is equipped with a professional fire brigade, including a professional fire engine and oxygen rescue team.
Sea going vessels need regular maintenance in order to meet their operational requirements and to comply with regulations. Furthermore, during the vessel’s lifetime improvements and upgrades are carried out frequently.

Damen Shiprepair & Conversion yards are strategically located and always have capacity to facilitate every request. We service over 1,500 ships annually and are experienced in blasting and conservation work, maintenance on propulsion systems, engine works, (bow) thrusters, rudders, valves, hatches, piping, cleaning, winches and generators.

Our project managers are trained to manage the most complicated and challenging projects and are able to advise and assist you on any subject in order to get you back on your way as soon as possible.
MOST CHALLENGING PROJECTS

With our knowledge and decades of experience in the maintenance of seagoing vessels, we are able to take on the most challenging maintenance projects in the shortest possible time schedules. Our well-trained employees, in combination with our experienced and reliable project management teams, are able to execute planned and unplanned maintenance work on board of your vessels. The scope of which is established in line with customer requirements. This takes place within a fixed time schedule, with the highest quality standards and according to budget.
It is always inconvenient when your vessel sustains damages. Time is of the essence, and in many cases insurance companies are involved. Our reputation in damage repair is built on solid communication between the client, the insurance company and the yard. We are characterized by short lead times, high quality work and, consequently, minimal vessel downtime.

With our highly skilled teams and years of knowledge we are able to repair all kinds of damages. Whether it concerns collisions, engine failure, fire or water damages or the malfunctioning of systems such as rudders, tail shafts, (bow) thrusters, etc.

We also provide a 24/7 mobile repair service. Harbour and Voyage repair provides service, wherever you need us. With crews and necessary equipment on standby we can help you back on your way.
repair of a damaged rudderstock along side

Harbour & Voyage Repair

Repair of a Damaged Rudderstock Along Side
Fast, safe and reliable
Our yards’ craftsmanship and experience ensures you a fast, safe and reliable service. We have been working with almost all certification companies, underwriters and insurance companies. Our extensive network of suppliers is capable of delivering all equipment and materials necessary for a quick repair of your vessel.
Damen Shiprepair & Conversion has been carrying out conversions for over 30 years. Over this time period we have gathered extensive knowledge and experience with regards to all kinds of conversions. We have executed various conversions: from cable-laying into pipe-laying vessels, conversions from containerships into wind farm construction vessels, from jack-up drilling rig into an accommodation platform, from single hull tanker to double hull tanker and from accommodation ship into flexible pipe-laying vessel.

Within the Damen Group we have sufficient engineering and project management capacity in order to assist you with the design, engineering and planning of your project. Whether it concerns a harbour tug or FPSO, we have the facilities and capacities available to fulfill all your needs.
CONVERSION OF A SEMI-SUBMERSIBLE SUBMARINE CARRIER
Damen Shiprepair & Conversion converted the ‘M/V Agile’ into a high-tech flexible Pipe Lay Support Vessel (PLSV). The converted ‘Agile’ is serving on a 5 year contract for Petrobras in Brazilian waters, laying flexible pipes up to a depth of 2,000 meters. The ‘Agile’, originally a 1977 Russian built ice-classed semi-submersible heavy load carrier, was initially used for the transportation of submarines.

The modifications, amongst others, included:
- Installation of sponsons to increase stability.
- Installation of a 200 m A-frame for flexible pipe deployment.
- Installation of new cranes as well as fabrication and installation of crane pedestals.
- Installation of required Abandon and Recovery (A&R) systems.
- Installation of the equipment and systems associated with the lay operations.
- Construction of a new ROV (Remote Operated Vehicle) platform including necessary equipment.
- Installation of an additional thruster to improve DP-capabilities.
- Expansion of power generation systems by adding a new generator room with 2 new diesel generator sets.
- Complete renovation of the bridge and accommodations.
- All tanks cleaned, blasted and coated.

‘Polar Queen’
Conversion of a cable-laying vessel into a pipe-laying vessel:
- Approx 1,000 t of new steel for 3 m wide sponsons.
- New accommodation block for 44 persons.
- 300 t crane pedestal.
- Lay tower foundation.
- Over 60 km of new electrical cable.
- A 400 t heavy compensated deployment winch system.
Main scope of the work was the removal of the complete drilling installation. The rigs have been fitted with sponsons in order to comply with stability regulations. They have also been fitted with an accommodation block of 400 t that meets all health and safety requirements.

The accommodation unit consists of 136 single cabins. The rig provides a fully equipped restaurant and hotel facilities which include offices for clients and crew, recreation rooms, gym and a real Scandinavian sauna.
CONVERSION ‘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 ‘Polarcus Naila’ underwent a propulsion upgrade and modification works. 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. 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 was at the yard in Amsterdam for a period of 35 days in which the conversion works were realized.

The modifications, amongst others, included:

- Conversion
- Propulsion upgrade
- Modification works
- Ballast Water Treatment installation
- Installation of new workboat and davits
- Relocation of the MOB
- 5-year special survey

CONVERSION OF A 3D SEISMIC VESSEL: PROPULSION UPGRADE AND MODIFICATION WORKS
In all segments of shipping, when ships age, owners either decide to sell their ship or to invest in their assets. Damen Shiprepair & Conversion has the competence to refit, execute life-extensions and/or second-youth programs in all product markets. We have refitted sailing clippers, container ships, FPSO’s, offshore support vessels, ferries, dredgers, fishery vessels and many other ships and offshore platforms.

We are able to assist the client with a thorough preparation of the refit project. The work scope, planning, engineering, parts and deliverables are all important factors in a refit program. Often Damen Shiprepair & Conversion is involved in an early stage in order to jointly define and prepare the work scope and ensure a successful execution of the project.
LEG EXTENSION ‘ROWAN VIKING’

Damen Shipyards had been awarded the contract by a subsidiary of Rowan Companies plc to remodel the ‘Rowan Viking’, 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 Shipyards Vlissingen. Damen Shipyards & Conversion’s special task force ‘Offshore & Conversion’ supervised the project.

The modifications, amongst others, included:
- Special Periodic Survey (certification extension)
- Acknowledgement of Compliance Scope (safety modifications in accordance with Norwegian law)
- Leg Extension Scope (the 170-meter legs extended to 180 metres to be able to work in the deeper Norwegian waters)

REPAIR AND LIFETIME EXTENSION ‘GRYPHON A’

FPSO ‘Gryphon A’ (Maersk Oil UK) arrived at the Damen Shipyards & Conversion yard after removal of the UW fairleads and thrusters at the offshore lay-by berth in the Port of Rotterdam.

The ‘Gryphon A’ project involved amongst others:
- Dry docking of the vessel.
- Complete overhaul of the turret and fairleads.
- Steel renewals of the cargo area, approx. 800 t.
- Extensive coating program of the complete vessel, both inside and outside, involving over 200,000 m² of ballast tank coating.
- Renewal and modification of the process piping.
- Overhaul of all thrusters, pumps, motors, winches, etc.
- Accommodation upgrade.
- Major electrical refit.
REFIT ‘STANISLAV YUDIN’

Damen Shiprepair Rotterdam (DSR) did a major refit of the ‘Stanislav Yudin’, a 24,800 t 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.
SHIPREPAIR & CONVERSION YARDS
SHIPREPAIR & CONVERSION YARDS

THE NETHERLANDS
Damen Shiprepair Rotterdam
Damen Shiprepair Vlissingen
Damen Shiprepair Amsterdam
Damen Shiprepair Van Brink Rotterdam
Damen Shiprepair Harlingen
Damen Shipyards Den Helder
Damen Shiprepair Oranjewerf
Damen Shipyards Maaskant Stellendam

FRANCE
Damen Shiprepair Brest
Damen Shiprepair Dunkerque

SWEDEN
Damen Oskarshamnsvarvet

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

SOUTH AFRICA
Damen Shipyards Cape Town

SINGAPORE
Damen Shipyards Singapore

* Joint venture

SUPPORTING COMPANIES

THE NETHERLANDS
Damen Schelde Gears
Damen Anchor & Chain Factory
Damen Marine Components
Niron Staal Amsterdam
Van der Velden Marine Systems
Damen Schelde Marine Services
Knud E. Hansen A/S
Nevesbu
DAMEN SHIPREPAIR ROTTERDAM
SCHIEDAM, THE NETHERLANDS

- Located in the biggest port of Europe with an unrestricted entrance to the yard.
- No locks, bridges or other obstructions.
- In the middle of a maritime cluster with all major ship equipment makers and suppliers represented within ‘walking distance’ of the yard.

<table>
<thead>
<tr>
<th></th>
<th>Length (m)</th>
<th>Breadth (m)</th>
<th>Draft (m)</th>
<th>Lifting Cap. (t)</th>
<th>Cranes</th>
<th>Crane Cap. (t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Floating Dock 1</td>
<td>175.0</td>
<td>25.2</td>
<td>6.4</td>
<td>12,000</td>
<td>3</td>
<td>3x 15</td>
</tr>
<tr>
<td>Floating Dock 2</td>
<td>160.0</td>
<td>23.3</td>
<td>6.3</td>
<td>10,000</td>
<td>3</td>
<td>3x 15</td>
</tr>
<tr>
<td>Covered Graving Dock ¹</td>
<td>216.0</td>
<td>28.3</td>
<td>8.9</td>
<td>2</td>
<td>2</td>
<td>2x 50</td>
</tr>
<tr>
<td>Graving Dock 1</td>
<td>216.0</td>
<td>28.3/29.2</td>
<td>8.9</td>
<td>2</td>
<td>2</td>
<td>2x 40</td>
</tr>
<tr>
<td>Graving Dock 2</td>
<td>307.0</td>
<td>46.0/47.2</td>
<td>9.5</td>
<td>4</td>
<td>2x 25</td>
<td>2x 100</td>
</tr>
<tr>
<td>Berth 1</td>
<td>160.0</td>
<td></td>
<td></td>
<td>40</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Berth 2</td>
<td>120.0</td>
<td></td>
<td></td>
<td>1</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>Berth 3</td>
<td>200.0</td>
<td></td>
<td></td>
<td>2</td>
<td>25 + 40</td>
<td></td>
</tr>
<tr>
<td>Berth 4</td>
<td>460.0</td>
<td></td>
<td></td>
<td>2</td>
<td>2</td>
<td>12 + 25</td>
</tr>
</tbody>
</table>

The listed breadth equals the max. width of a vessel to enter the dock; the listed draft is equal to the draft at average high tide.

1) Airdraft: 27.5 m

² Fenders expanded/contracted

* The tables and maps are not to scale.
DAMEN SHIPREPAIR BREST

BREST, FRANCE

- One of the biggest docks in Europe (420 x 80 m).
- Damen Shipyards Brest can accommodate almost any size of ship.
- Offering a broad range of services for many vessel types including LNG tankers, oil tankers, semi-submersibles, shuttle tankers, FPSOs, offshore construction vessels, jack-up rigs, cruise liners, ro-ro vessels and ferries.

<table>
<thead>
<tr>
<th>DOCK</th>
<th>LENGTH (m)</th>
<th>BREADTH (m)</th>
<th>DRAFT (m)</th>
<th>CRANES</th>
<th>CRANE CAP. (t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRAVING DOCK 1</td>
<td>220.0</td>
<td>27.0</td>
<td>3.8</td>
<td>1</td>
<td>30</td>
</tr>
<tr>
<td>GRAVING DOCK 2</td>
<td>338.0</td>
<td>53.0</td>
<td>7.0</td>
<td>4</td>
<td>90 + 20 + 12 + 4.5</td>
</tr>
<tr>
<td>GRAVING DOCK 3</td>
<td>420.0</td>
<td>80.0</td>
<td>7.6</td>
<td>3</td>
<td>150 + 15 + 15</td>
</tr>
<tr>
<td>BERTH 1</td>
<td>320.0</td>
<td>8.5</td>
<td></td>
<td>3</td>
<td>90 + 12 + 4.5</td>
</tr>
<tr>
<td>BERTH 2</td>
<td>240.0</td>
<td>9.4</td>
<td>mobile*</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BERTH 3</td>
<td>610.0</td>
<td>10.5</td>
<td>mobile*</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BERTH 4</td>
<td>400.0</td>
<td>9.3</td>
<td></td>
<td>3</td>
<td>150 + 15 + 15</td>
</tr>
</tbody>
</table>

The listed breadth equals the max. width of a vessel to enter the dock.
Tide levels must be added to depth of dock, which are are based on chart datum (level: 0.00).
* Mobile cranes of 120/100/40 t available.
Three docks up to Panamax size.

A covered dock fitted with two overhead cranes (total lifting capacity of 300 t) is able to rule out delays due to weather conditions.

Located in the harbour of Vlissingen, the yard is within easy reach of the major North Sea shipping routes and is situated in the center of the ARA-ports.

<table>
<thead>
<tr>
<th></th>
<th>LENGTH (m)</th>
<th>BREADTH (m)</th>
<th>DRAFT (m)</th>
<th>LIFTING CAP. (t)</th>
<th>CRANES</th>
<th>CRANE CAP. (t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLOATING DOCK</td>
<td>229.0</td>
<td>36.1</td>
<td>7.0</td>
<td>23,000</td>
<td>3</td>
<td>12 &gt; 40</td>
</tr>
<tr>
<td>GRAVING DOCK</td>
<td>175.0</td>
<td>25.3</td>
<td>7.7</td>
<td>3</td>
<td>3</td>
<td>32 &gt; 55 &gt; 27</td>
</tr>
<tr>
<td>COVERED GRAVING DOCK ¹</td>
<td>215.0</td>
<td>29.8</td>
<td>8.7</td>
<td>4</td>
<td>4</td>
<td>75 &gt; 75 &gt; 75</td>
</tr>
<tr>
<td>BERTH 1</td>
<td>440.0</td>
<td>8.0</td>
<td>8.0</td>
<td>3</td>
<td>3</td>
<td>32 &gt; 55 &gt; 27</td>
</tr>
<tr>
<td>BERTH 2</td>
<td>150.0</td>
<td>11.5</td>
<td>11.5</td>
<td>1</td>
<td>1</td>
<td>40</td>
</tr>
<tr>
<td>BERTH 3</td>
<td>335.0</td>
<td>8.0</td>
<td>8.0</td>
<td>2</td>
<td>2</td>
<td>30 &gt; 40</td>
</tr>
</tbody>
</table>

The listed breadth equals the max. width of a vessel to enter the dock; the listed draft is equal to the draft at average high tide.

1) Airdraft: 51.2 m
Running a professional machine shop and steel construction facility: Niron Staal.

Dedicated area for high tensile steel welding such as S690 welding.

No North Sea Locks, North Sea Canal or harbour dues for vessels coming for repairs.

### Damen Shiprepair Amsterdam

Amsterdam, the Netherlands

<table>
<thead>
<tr>
<th></th>
<th>Length (m)</th>
<th>Breadth (m)</th>
<th>Draft (m)</th>
<th>Cranes</th>
<th>Crane Cap. (t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graving Dock 1</td>
<td>140.0</td>
<td>19.5</td>
<td>5.1</td>
<td>2</td>
<td>40 + 15</td>
</tr>
<tr>
<td>Graving Dock 2</td>
<td>165.0</td>
<td>21.5</td>
<td>6.0</td>
<td>2</td>
<td>40 + 15</td>
</tr>
<tr>
<td>Graving Dock 3</td>
<td>205.0</td>
<td>26.8</td>
<td>8.2</td>
<td>2</td>
<td>60 + 15</td>
</tr>
<tr>
<td>Graving Dock 4</td>
<td>250.0</td>
<td>36.2</td>
<td>8.0</td>
<td>2</td>
<td>90 + 90</td>
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<td>Berth 3</td>
<td>200.0</td>
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<td>1</td>
<td>15</td>
</tr>
<tr>
<td>Berth 4</td>
<td>200.0</td>
<td>8.0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Berth 5</td>
<td>420.0</td>
<td>8.0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- The listed breadth equals the max. width of a vessel to enter the dock.
- The listed draft is equal to the draft at average high tide.
- Berths 1, 2, 3, 4, 5.
- Graving Docks 1, 2, 3, 4.
- Cranes: 15 > 90 t.

The listed breadth equals the max. width of a vessel to enter the dock. The listed draft is equal to the draft at average high tide.
DAMEN SHIPREPAIR DUNKERQUE

DUNKERQUE, FRANCE

- Providing services on diesel engineering, Turbo chargers, Simplex Seals, building up and polishing propellers, building and repairing equipment for offshore industry.
- The only operator for ship repair and conversion in the harbour of Dunkerque.
- The management staff and many of the execution level personnel is English spoken.
- The floating dock (equipped with a sonar pit) can accommodate vessels with retractable thruster.
- Modern and well equipped workshop located in the middle of the dry docks infrastructure.

<table>
<thead>
<tr>
<th></th>
<th>LENGTH (m)</th>
<th>BREADTH (m)</th>
<th>DRAFT (m)</th>
<th>LIFTING (t)</th>
<th>CRANES</th>
<th>CRANE CAP. (t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Floating Dock</td>
<td>180.0</td>
<td>29.0</td>
<td>6.8</td>
<td>16,000</td>
<td>2</td>
<td>12.5 + 12.5</td>
</tr>
<tr>
<td>Graving Dock 1</td>
<td>107.0</td>
<td>15.0</td>
<td>6.2 / 4.0</td>
<td>1</td>
<td>1</td>
<td>50</td>
</tr>
<tr>
<td>Graving Dock 2</td>
<td>310.0</td>
<td>45.0</td>
<td>8.5 / 6.5</td>
<td>1</td>
<td>1</td>
<td>50</td>
</tr>
<tr>
<td>Berth 1</td>
<td>310.0</td>
<td>8.0</td>
<td>1</td>
<td>50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Berth 2</td>
<td>310.0</td>
<td>10.0</td>
<td>1</td>
<td>50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Berth 3</td>
<td>220.0</td>
<td>8.0</td>
<td>1</td>
<td>50</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The listed breadth equals the max. width of a vessel to enter the dock; the listed draft is equal to the draft at average high tide.

1) Draft: beam < 14 m: 6.2, beam > 14 m: 4.0
2) Draft: 8.5 aft / 6.5 fwd

* Heavy lift by mobile crane up to 1,200 t
DAMEN SHIPREPAIR VAN BRINK

ROTTERDAM, THE NETHERLANDS

- Authorized Marine Dealer for Caterpillar Marine Power.
- Service agent for Cedervall shaft sealing systems.
- Service Center for VOITH Schneider Propulsion.
- Ideally located for inland and coastal to seagoing vessels.
- Next to the container terminal.

<table>
<thead>
<tr>
<th></th>
<th>LENGTH (m)</th>
<th>BREADTH (m)</th>
<th>DRAFT (m)</th>
<th>LIFTING CAP. (t)</th>
<th>CRANES</th>
<th>CRANE CAP. (t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLOATING DOCK 1</td>
<td>103.0</td>
<td>15.8</td>
<td>5.8</td>
<td>2,750</td>
<td>2</td>
<td>5+15</td>
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<tr>
<td>FLOATING DOCK 2</td>
<td>110.0</td>
<td>18.0</td>
<td>6.5</td>
<td>2,750</td>
<td>1</td>
<td>15</td>
</tr>
<tr>
<td>FLOATING DOCK 3</td>
<td>217.0</td>
<td>31.8</td>
<td>9.0</td>
<td>25,000</td>
<td>3</td>
<td>30+2×10</td>
</tr>
<tr>
<td>FLOATING DOCK 4</td>
<td>170.0</td>
<td>25.0</td>
<td>7.0</td>
<td>14,000</td>
<td>2</td>
<td>12+3.2</td>
</tr>
<tr>
<td>BERTH 1</td>
<td>125.0</td>
<td>6.5 &gt; 7.0</td>
<td></td>
<td>1</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>BERTH 2</td>
<td>140.0</td>
<td>6.5 &gt; 7.1</td>
<td></td>
<td>1</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>BERTH 3</td>
<td>230.0</td>
<td>6.5 &gt; 7.2</td>
<td></td>
<td>1</td>
<td>30</td>
<td></td>
</tr>
<tr>
<td>BERTH 4</td>
<td>125.0</td>
<td>6.5 &gt; 7.3</td>
<td></td>
<td>1</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

The listed breadth equals the max. width of a vessel to enter the dock.
The listed draft is equal to the draft at average high tide.
The heart of the repair department is the shiplift with a dedicated platform for ‘parking’ of ships, both central located between the various sheds and workshops. The platform is provided with modern drainage systems and basins in which rain and waste water is collected, purified and re-used for cleaning ships.

DAMEN SHIPREPAIR HARLINGEN
HARLINGEN, THE NETHERLANDS

<table>
<thead>
<tr>
<th>BERHTS</th>
<th>SHIPLIFT</th>
<th>REPAIR PLATFORM</th>
<th>CRANES</th>
</tr>
</thead>
<tbody>
<tr>
<td>790 m</td>
<td>4,200 t</td>
<td>60 x 140 m</td>
<td>4 &gt; 20 t</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>LENGTH (m)</th>
<th>BREADTH (m)</th>
<th>DRAFT (m)</th>
<th>LIFTING CRANE CAP. (t)</th>
<th>CRANE CAP. (t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>REPAIR PLATFORM</td>
<td>140.0</td>
<td>60.0</td>
<td>5.0</td>
<td>4,200</td>
</tr>
<tr>
<td>SHIPLIFT</td>
<td>120.0</td>
<td>20.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BERTH 1</td>
<td>100.0</td>
<td>7.0</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>BERTH 2</td>
<td>80.0</td>
<td>7.0</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>BERTH 3</td>
<td>100.0</td>
<td>7.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BERTH 4+5</td>
<td>160.0 each</td>
<td>7.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BERTH 6</td>
<td>90.0</td>
<td>7.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BERTH 7</td>
<td>100.0</td>
<td>7.0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The covered halls are currently leased by third parties and other Damen companies.
The listed breadth equals the max. width of a vessel to enter the dock.
The listed draft is equal to the draft at average high tide.
DAMEN OSKARSHAMN-SVARVET
OSKARSHAMN, SWEDEN

- Operating the only floating dock on the Swedish side of the Baltic.
- Strategically located on Sweden’s east coast.
- Repairing, converting, servicing and maintaining all types of vessels.
- Specialises in the manufacturing of very heavy composite steel plate structures.
- Unique flat-rack transport system, which enables to move vessels into the workshop.
- Indoor large heated workshops to continue work in wintertime.

**Table:**

<table>
<thead>
<tr>
<th></th>
<th>LENGTH (m)</th>
<th>BREADTH (m)</th>
<th>DRAFT (m)</th>
<th>LIFTING (t)</th>
<th>CRANES</th>
<th>CRANE CAP. (t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Floating Dock</td>
<td>75.0</td>
<td>15.0</td>
<td>5.0</td>
<td>1,500</td>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>Slipway</td>
<td>100.0</td>
<td>30.0</td>
<td>*</td>
<td>1</td>
<td>1</td>
<td>65</td>
</tr>
<tr>
<td>Berth 1</td>
<td>315.0</td>
<td>*</td>
<td>8.0</td>
<td>**</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*The listed breadth equals the max. width of a vessel to enter the dock; the listed draft is equal to the draft at average high tide.*

* Slipway for vessels with a max. length of 30m & up to 70t
** Mobile cranes available
Apart from a turnery with multiple lathes and milling machines, there is a workplace with tools and machines from 100 t shears and bending machines to welding machines.

A large warehouse with a sales counter enables every company to order their parts and tools at the yard.
DAMEN SHIPREPAIR ORANJEWERF
AMSTERDAM, THE NETHERLANDS

- All sorts of repairs from small vessels up to vessels with a max. length of 135 m, from inland barges to offshore vessels.
- Both commercial shipping companies and government agencies among its customers.
- Wide range of experience in the fields of ship repair, renovation, modification and maintenance.

<table>
<thead>
<tr>
<th></th>
<th>LENGTH (m)</th>
<th>BREADTH (m)</th>
<th>DRAFT (m)</th>
<th>LIFTING CAP. (t)</th>
<th>CRANES</th>
<th>CRANE CAP. (t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLOATING DOCK</td>
<td>135.0</td>
<td>23.0</td>
<td>8.0</td>
<td>6,000</td>
<td>3</td>
<td>16 + 2 x 10</td>
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<tr>
<td>SLIPWAY</td>
<td>100.0</td>
<td>12.0</td>
<td>2.7</td>
<td>17 x 100</td>
<td>1</td>
<td>12</td>
</tr>
<tr>
<td>BERTH 1</td>
<td>100.0</td>
<td>4.0</td>
<td></td>
<td>mobile</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BERTH 2</td>
<td>135.0</td>
<td>6.2</td>
<td></td>
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<td>10</td>
<td></td>
</tr>
<tr>
<td>BERTH 3</td>
<td>80.0</td>
<td>7.5</td>
<td></td>
<td>1</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>BERTH 4</td>
<td>135.0</td>
<td>8.0</td>
<td></td>
<td>1</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>BERTH 5</td>
<td>36.0</td>
<td>3.0</td>
<td></td>
<td>1</td>
<td>10</td>
<td>mobile</td>
</tr>
<tr>
<td>BERTH 6</td>
<td>36.0</td>
<td>2.5</td>
<td></td>
<td>mobile</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The listed breadth equals the max. width of a vessel to enter the dock.
The listed draft equals the draft at average high tide.

**BERTHS**
- **522 m**

**FLOATING DOCK**
- **135 x 23 x 8 m**

**SLIPWAY**
- **100 x 12 m**

**CRANES**
- **10 + 16 t**

**2 MOBILE CRANES**
MAASKANT SHIPYARDS STELLENDAM

STELLENDAM, THE NETHERLANDS

- Quick repairs and renovations with a machine factory on site.
- Large stock of spare parts with a guarantee of fast service.
- A Maaskant Shipyard service vehicle services the mussel fleet on location, being able to perform maintenance and repairs incl. repairs of winches on the beam trawl fleet.

<table>
<thead>
<tr>
<th></th>
<th>LENGTH (m)</th>
<th>BREADTH (m)</th>
<th>DRAFT (m)</th>
<th>LIFTING (t)</th>
<th>CRANES</th>
<th>CRANE CAP. (t)</th>
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</thead>
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<td>50.0</td>
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<td>500</td>
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<td>30</td>
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<tr>
<td>FLOATING DOCK 2</td>
<td>50.0</td>
<td>18.0</td>
<td>6.0</td>
<td>2,500</td>
<td>1</td>
<td>30</td>
</tr>
<tr>
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<td>76.0</td>
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<td>6.0</td>
<td>3,500</td>
<td>1</td>
<td>30</td>
</tr>
<tr>
<td>BERTH 1</td>
<td>500.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

The listed breadth equals the max. width of a vessel to enter the dock.
The listed draft is equal to the draft at average high tide.
**ALBWARDY MARINE ENGINEERING**


- Afloat repairs
- Voyage repairs
- Diving services
- Ship dry-docking
- Yacht repair & conversion
- Electrical and hydraulic services
- Machining services
- Specialist services

---

<table>
<thead>
<tr>
<th></th>
<th>Length (m)</th>
<th>Breadth (m)</th>
<th>Lifting CAP (t)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DUBAI SYNCHRO LIFT 1</strong></td>
<td>42.0</td>
<td>12.9</td>
<td>345</td>
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<td>102.0</td>
<td>24.0</td>
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<tr>
<td><strong>DUBAI SYNCHRO LIFT 3</strong></td>
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<td>20.0</td>
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<tr>
<td><strong>DUBAI SYNCHRO LIFT 4</strong></td>
<td>125.0</td>
<td>30.0</td>
<td>6,000</td>
</tr>
<tr>
<td><strong>FUJAIRAH TRAVEL LIFT</strong></td>
<td>35.0</td>
<td>7.0</td>
<td>170</td>
</tr>
</tbody>
</table>

- Berths: 2,900 m
- 4 Synchrolifts: 345 > 6,000 t net
- Mobile Cranes: 5 > 500 t

---

**DUBAI U.A.E.**
DAMEN SHIPYARDS SHARJAH
SHARJAH, U.A.E.

- Ship dry-docking
- Ship repair & conversion
- Offshore & rig repairs
- Afloat repairs
- Yacht repairs
- New building
- Electrical, hydraulic, mechanical services
- Specialist services

<table>
<thead>
<tr>
<th>SYCHRO LIFT</th>
<th>LENGTH (m)</th>
<th>BREADTH (m)</th>
<th>DRAFT (m)</th>
<th>LIFTING CAP. (t)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>120.0</td>
<td>26.5</td>
<td>6.0</td>
<td>5,200</td>
</tr>
</tbody>
</table>

The listed breadth equals the max. width of a vessel to enter the dock
The listed draft is equal to the draft at average high tide

BERTHS
1,200 m

SYNCHRO LIFT
5,200 t net

COVERED REPAIR FACILITIES

MOBILE CRANES
5 > 500 t
### Damen Shipyards Cape Town

**Cape Town, South Africa**

- **4 synchrolifts repair lanes.**
- **Sufficient repair berths.**
- **Specialised workshops.**
- **Experience in both newbuilding and repair.**

#### Facilities

<table>
<thead>
<tr>
<th></th>
<th>Length (m)</th>
<th>Breadth (m)</th>
<th>Draft (m)</th>
<th>Lifting Cap. (t)</th>
<th>Cranes</th>
<th>Crane Cap. (t)</th>
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</thead>
<tbody>
<tr>
<td>Floating Dock</td>
<td>350.4</td>
<td>38.4</td>
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<td>50 + 40</td>
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<tr>
<td>Graving Dock</td>
<td>152.4</td>
<td>20.7</td>
<td>7.9</td>
<td>2</td>
<td>15</td>
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<tr>
<td>2 Synchrolifts</td>
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<td>13.5</td>
<td></td>
<td>2</td>
<td>1,778</td>
<td></td>
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<tr>
<td>2 Synchrolifts</td>
<td>75.0</td>
<td>13.5</td>
<td></td>
<td></td>
<td>1,778</td>
<td></td>
</tr>
<tr>
<td>Synchrolift</td>
<td>55.0</td>
<td>13.5</td>
<td></td>
<td></td>
<td>1,778</td>
<td></td>
</tr>
<tr>
<td>Berths 1-4</td>
<td>457.0</td>
<td>12.0</td>
<td></td>
<td>2</td>
<td>50 + 40</td>
<td></td>
</tr>
</tbody>
</table>

The listed breadth equals the max. width of a vessel to enter the dock.

The listed draft is equal to the draft at average high tide.
Strategically located in the west side of the island and in sheltered water.
Specialised in aluminium vessels and has a lifting capacity of 200t, allowing it to accommodate most of the local and international ferry services to nearby countries.
The yard is equipped with floating jetties for vessel berthing and afloat repair.
The repair workforce is well versed in high speed propulsion systems, from the traditional propeller to water jet system.
Damen Anchor & Chain Factory (AKF) supplies chains and anchors from stock. AKF also repairs anchors and testing anchor chains with modern testing facilities. Damen Anchor & Chain Factory’s testing department is Lloyds-approved.

Damen Schelde Gears is specialised in support, consultancy and problem-solving for all the technical and commercial aspects of gears and other rotating equipment. They have extensive experience through more than 90 years in the design and production of main propulsion gears. Over the years, more than 335 naval and merchant ships have been equipped with propulsion gear designs from Damen Schelde Gears.

Damen is specialised in building a variety of maritime components for the shipbuilding industry. Components are delivered to Damen yards or any other yard, based on the required technical specifications and according to the highest quality standards. Components that can be delivered include nozzles, rudders, stern tubes, and tunnels. All products are fabricated at Damen-owned production facilities.

Damen Marine Components is specialised in building a variety of maritime components for the shipbuilding industry. Components are delivered to Damen yards or any other yard, based on the required technical specifications and according to the highest quality standards. Components that can be delivered include nozzles, rudders, stern tubes, and tunnels. All products are fabricated at Damen-owned production facilities.
Van der Velden Marine Systems is specialist in the area of manoeuvrability for the entire maritime market. The company distinguishes itself through quality, safety, innovation and service. They are specialised in the customised solutions with regards to complete manoeuvring packages, including rudders, rudder trunks, streamline bodies, steering gear and nozzles.

Niron Staal Amsterdam is a specialised steel construction and machining company located on the premises of Shipdock Amsterdam. The production of special large steel constructions for Dutch and international clients in the maritime and offshore industry is located on the same premises. Large facilities are available for handling, building, cutting, welding and load out at deep waterways. The wide range of machining possibilities combined with the large floor surface and hoisting capacity of 150 t is a strength of the machine shop.

Damen Schelde Marine Services main area of operation is in the manufacture and supply of diesel engine parts. Having been a licensee of New Sulzer Diesel for over 70 years Damen SMS has a wealth of technical knowledge and experience which enables them to provide the ‘ADD-ON’ support through their service engineers. A wide variety of spares is directly available from stock for delivery worldwide within 24 hours.
NEWBUILDING YARDS WORLDWIDE
DAMEN SERVICES
CUSTOMERS IN ACHIEVING THEIR GOALS

Damen Services offers a wide-ranging portfolio of customer support and after-sales services covering the complete vessel’s lifecycle; through the start-up and deployment phases, to the second life or disposal phase.

We believe that our wide range of products helps our customers achieve their goals in terms of availability, reliability and lifecycle costs. Customers may benefit by using one of our services or a strategic combination of several products.

If a ship is unable to sail to a Damen Shiprepair & Conversion yard, then Damen Shiprepair & Conversion, in cooperation with Damen Services, is capable of executing maintenance and repair activities on a location indicated by the customer.

COMPLETE LIFECYCLE SUPPORT

Experience and knowledge anchored in one database. Maintenance Management Solutions assist our customers in performing preventive maintenance. Developed by Damen Services, the goal is to maximize vessel uptime and minimize operational costs.

MAINTENANCE MANAGEMENT SOLUTIONS

START-UP

COMMISSIONING & TRIALS

SHIP DELIVERY

WARRANTY SUPPORT

MAINTENANCE MANAGEMENT SOLUTIONS

DEPLOYMENT

TECHNICAL ASSISTANCE

CUSTOMER SERVICE AGREEMENTS

LIFE-TIME EXTENSION

REPAIR & CONVERSION

TRAINING

RECYCLING

TRADING

SERVICES PORTAL

CONSULTANCY

CONFIGURATION MANAGEMENT
THE PEOPLE THAT REPAIR AT DAMEN
COLOPHON

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