THE IMPORTANCE OF FISH FOR EVERYONE

The Earth's population continues to grow, raising the question, “how will we be able to provide enough food for all these people?” Fishing will continue to play an important role in providing food throughout the world. Additionally, the fishing industry is of crucial economic importance, providing a living and a way of life – for as many as 500 million people globally. Damen will continue to play its part in developing solutions to help feed the future and to help those who brave the seas and oceans to fish in safety and in comfort.
The maritime industry recognises the needs for increasing environmental awareness. With operations in sensitive habitats for food for human consumption, the environmental impact that a vessel has needs to be minimised.

Damen has developed, tested and delivered vessels with optimised power generating systems, from diesel-direct in combination with PTO/PTI functions and electric power retrieval installations on winches, to diesel-electric propulsion systems which effectively reduce fuel consumption, emissions and noise levels, with and without battery storage capacity.

All Damen vessels benefit from thorough R&D and, with research taking place on successive generations of standard vessels, continual product innovation is guaranteed.

Damen is proactive in developing sustainable and cost-effective vessels and services. Our R&D team is always developing ways to make our vessels safer, more comfortable, silent and more efficient, both economically and environmentally.

Damen enjoys close cooperation with a number of leading research institutes.
BENEFITS OF STANDARDISATION
■ Fast response to customer requests
■ Competitive pricing
■ Reliable, proven technology
■ Continuous product development
■ Interchangeability of ships, crew, spares
■ Lower maintenance costs
■ Guaranteed performance

EVERY FISHING METHOD
PROVEN DESIGN, SHORT-TERM DELIVERY

STANDARDISATION
KEY TO SUCCESS

Ever since Kommer Damen first pioneered the idea of standardised shipbuilding in 1969, it is this philosophy for which Damen has been renowned. Damen’s practice of building standardised vessels in series offers clients access to reliable, proven solutions. And, with many products kept in stock, Damen can also guarantee the fastest possible delivery.

Standardisation does not mean that all vessels are the same. We realise the importance of flexibility as our clients have different requirements for our vessels. This is why we have created numerous options, applicable to our standard designs, to ensure that your Damen vessel can be tailored precisely to your needs.
Damen is a family business founded in 1927, in the Netherlands. Today, Damen operates 35 yards on five continents, employing over 10,000 people. Since its origins, Damen has delivered more than 6,000 vessels in over 100 countries. Damen delivers approximately 160 newbuild vessels annually based on its unique, standardised ship concept, via which it is able to guarantee consistent quality.

Damen Trading is specialised in the sale, purchase and chartering of all types of used vessel. Over the years, Damen Trading has acquired a lot of knowledge in brokerage, ensuring you of a complete service before, during and after vessel acquisition.
Damen Customer Finance offers a selection of arrangements, applicable to any Damen product for clients in both the private and public sectors.

As a major client of the Dutch Export Credit Agency Atradius, Damen has gained a wealth of experience in the arrangement of export loans.

Damen can assist customers in building its vessels locally via Damen Technical Cooperation (DTC). This highly flexible option results in a valuable transfer of technology and enables owners to enjoy Damen quality, combined with the convenience of local production. Since DTC was established, Damen has built over 1,000 vessels locally in over 70 countries.

Damen can deliver everything from the licence and vessel design to a full material package and if necessary turnkey solutions based on client requirements. DTC’s scope covers the entire Damen portfolio.

**CUSTOMER FINANCE**
FINANCING AND LEASING

**THINK GLOBAL, ACT LOCAL**
DAMEN TECHNICAL COOPERATION

**DESIGN & LICENCES**
- Basic and/or detailed designs provided
- License/royalty for multiple series
- Proven design

**MATERIAL PACKAGES**
- Renowned suppliers
- Materials on stock
- Advanced logistics

**BUILDING ASSISTANCE**
- Assistance on-site
- Enhance shipyard skills
- Transfer of knowledge/technology
A REPUTATION FOR EXCELLENCE
TOP NOTCH FISHING VESSELS

TROPICAL
- High quality cooled/frozen fish
- Safe working platform
- Good labour conditions
- Affordable vessels

NORTH SEA
- Selective fishing
- Low fuel and emissions
- High quality fresh fish

ATLANTIC
- Energy efficient
- Equipment choice flexibility
- Maintenance simplicity
Fishing is a diverse term encapsulating many different methods, from a simple hook and line to large, ocean-going ships. In alignment with the diversity of the sector, Damen has developed a broad range of fishing solutions.

Damen has applied both innovation and experience to the development of these solutions. The application of the latest instrumentation and detection equipment is leading to faster operations and increased productivity.

Damen’s use of up-to-the-moment refrigeration technology also means that its vessels are able to stay at sea for significantly extended periods of time.

The result of these developments, ultimately, is greater earning potential for operators and reduced environmental impact - leading to a sustainable fishing industry now and for the future.
SAFETY
CHANGING THE STATISTICS WITH SOPHISTICATED VESSELS

Fishing at sea is one of the most dangerous occupations in the world. To meet this challenge, Damen builds vessels with a focus on safety in order to minimise the risks. With vessels that can offer confidence in safety and comfort, an increased quality of catch naturally follows.

Damen strives for the highest levels of safety on board of its fishing vessels. Not because we have to, but because it is our number one priority.

EXAMPLES OF OFFERED SAFETY SOLUTIONS:
- Compliance with local and international standards
- Use of high quality equipment
- Designs focused on ease of operation
- Fit for purpose and durable
Damen fishing vessels are designed to meet all hygiene regulations and ensure safe and efficient on-board processing. They are designed for easy maintenance and cleaning in order to prevent contamination and to keep both processed and unprocessed fish at the right temperature to be of the highest quality.
It is important that fishing is carried out in a sustainable manner. As part of this, wastage must be minimised. This requires successful processing and preservation of catch. Damen’s Sea Fisher series is designed for the use of ice as well as freezing capacities for optimised fish storage and preservation.
The design is based on functionality, ready for high quality catches and easy on maintenance. The standardisation of the designs ensures a constant availability of spare parts. The Sea Fishers are available in several versions for different fishing methods. Shown here are a Shrimper version and a Stern Trawler version.

The Sea Fisher range offers you a Safe, Economic and Affordable vessel for coastal and deep sea fishing operations.
The Damen Fish Collecting Vessel is designed as a mother vessel for collecting the catch at sea, freezing and storing at low temperature. Besides simplicity, the vessel provides high manoeuvrability and redundancy.
Fishing in the North Sea area is diversifying. Traditionally, a large fleet of beam trawlers fished the sea for flat fish, mainly plaice and sole, in addition to the pelagic fishing of herring and mackerel. Nowadays, next to the beam trawler activities the twin rigger/fly shooter has gained a reputation in efficient and selective fishing, with a very high quality of product.

Damen Maaskant Shipyards Stellendam, has always been the benchmark in beam trawling and has now also developed an excellent reputation for building the highest quality twin rigger/ fly shooters with innovative propulsion techniques such as diesel-electric/battery.
The Damen Beam Trawler features efficient fishing gear operated on both sides of the vessel. This is the ideal method for catching flat fish, especially with the newly developed sustainable gear, which enables fishing in a selective and environmentally friendly manner.
The Damen Twin Rigger/Fly Shooter is ideal for fishing with the ‘Snurrevaed’ method. This is a special method which significantly reduces the requirement to drag the net through the water, allowing the use of a smaller engine. The Damen Twin Rigger/Fly Shooter is the perfect vessel for fishing according to this method because of its high manoeuvrability and manageable size.

This is fishing in the most economical way, with optimal environmental efficiency, to obtain the highest quality of bottom fish, fresh and unspoiled on board.
The Damen Shellfish Dredger is a highly manoeuvrable vessel and can be equipped to harvest mussels, oysters and razor shells and transport them alive and undamaged for reseeding or processing. Specially designed to work in shallow waters, whilst still providing excellent seakeeping characteristics, these vessels can operate in tidal areas using the tide times to the max.

Designed with a shallow draught, these vessels are the best to harvest all types of shellfish in estuary and coastal areas.
Wild, pelagic catch has a lower carbon footprint than numerous other food sources, including farmed meats and fish.

Fish caught in this way do not require artificial feeding or the use of depleted water supplies.

Today, with the ever increasing efficiency of Damen fishing vessels, including low emission propulsion, improved fish detection equipment and optimised processing capabilities, the CO₂ footprint is lower than ever before.
The Damen Factory Trawlers are strongly constructed and can be equipped according to your wishes. Diesel direct propulsion or hybrid alternatives with additional electric shaft generator/motor, the choice of factory, processing equipment and freezing installation and winch arrangements in electric or hydraulic execution can be chosen to serve pelagic, bottom, or twin rig trawling. Our in-house knowledge and expertise in designing and building naval vessels with a very low noise profile is also reflected in our commercial fishing vessels and fishery research vessels.

Damen Factory Trawlers have excellent loading capacity, fuel efficiency and seakeeping characteristics.

FACTORY TRAWLER RANGE

- SIZE 36 - 105 m
- SPEED 11 - 15 kn
- FISH HOLD CAP. 300 - 4,300 m³
- PROPULSION POWER 1,200 - 6,000 kW

AVAILABLE OPTIONS
- Pelagic trawling
- Bottom trawling
- Twin rig trawling

PROCESSING, COOLING OR FREEZING & PACKING AND STORAGE
The Damen Longliner provides sustainable fishing with a gentle catching method. The Longliner is provided with an efficient and safe moonpool line hauling arrangement. The machinery system is designed to meet the varying requirements for a Longliner of this kind and for ease of maintenance.
The Damen Crab Catcher has a large cargo deck to safely handle and store the necessary cages. Conveyors easily transport the catch from deck to the on board processing, cooking, freezing, packing and freezer hold. A sliding table at starboard side ensures the release of female and juvenile catch. The Damen Crab Catcher ensures the safest method to catch and process the catch for optimal quality.
LIFE LINES

Biology governs the growth within fish farms. By understanding the processes, Damen can anticipate market needs with innovative solutions. Examples include our cooperation with equipment manufacturers to reduce stress during fish treatment operations. Additionally, we provide solutions to remove contamination from the seabed and nets based on our dredging experience.

Damen has an excellent reputation internationally for building Fishery Research Vessels. In the design, construction, and outfitting, close attention is paid to minimising noise and vibration both on board and underwater.

This type of vessel is suited to operations including hydrographic operations, acoustic research, pelagic and demersal trawling, plankton, water, environmental and geographical sampling, oil recovery and emergency towing operations.

The vessels feature cutting-edge technologies to make operations both sustainable and comfortable.

The vessel shown is based on the ST-368 design by Skipsteknisk.
Fishery Research Vessels are a necessary tool in establishing sustainable fishing operations and fish stock management. These vessels are equipped for a wide range of tasks. These include stocktaking, testing gear and hydrographic and oceanographic operations. The vessels can also be used to carry out environmental and geological sampling, environmental research operations and seabed mapping.
In August 2018, Damen Shipyards Galati delivered a Fishery Research Vessel (FRV) 7417, named Baía Farta, to the Angolan Ministry of Fisheries.

This new vessel boasts a number of state-of-the-art features. The FRV has Silent A/F/R Class notation. The FRV 7417 is suited to various purposes, including hydrographic operations, acoustics research, pelagic and demersal trawling, plankton, water, environmental and geographical sampling, oil recovery and emergency towing operations.

Friso Visser, Damen Regional Director Africa, said: “This vessel represents the future of fishery research, featuring cutting-edge technologies to make operations both sustainable and comfortable.” The design of the Baía Farta is based on the ST-368 design for which Damen worked together with the Norwegian design specialist Skipsteknisk.
A NEW RANGE OF FUTURE-PROOF FISHING VESSELS

EFFICIENT POWER MANAGEMENT

Damen Maaskant Shipyards Stellendam has introduced a new range of fishing vessels, based on a Vripack Naval Architects design that will set new benchmarks for the entire sector. The range comprises three designs; 340GT, 400GT and 500GT. They all have the same look and can be fitted out with diesel-electric, or conventional diesel depending on clients’ requirements. The range can also be outfitted with electric winches, instead of the more traditional hydraulically powered ones.

Damen Maaskant Shipyards Stellendam is offering the option of a battery pack throughout the range. Activities such as taking in the winches and sailing in and out of port can be performed under electric power.

Family-owned Ekofish has a history that goes back more than a century. The company’s working practices are a result of a rich fishing heritage and a sustainable way of thinking. Ekofish approached Vripack Naval Architects with their idea for a vessel using conventional fishing gear, but a 30 percent reduction in fuel consumption, something made possible by combining Damen knowledge, experience and ability with the Vripack design.

The result is a futureproof vessel. With three compact generators and a battery pack, it will be in line with stricter emissions regulations. And, with the on-board fish handling equipment, it combines sustainability with quality of product.
At 40 years old, you may expect a fishing vessel to be completely outdated. However, this is not the case with Damen’s Stan Fisher 2600 – considered one of the best fishing vessels around. There are at least three such vessels that Damen built in the 1970s still in operation; Sanford’s Ikawai and Tengawai and Westfleet Seafood’s Galatea II.

In early 2016, Damen’s Fishery Product Manager, Marcel van der Zwan, and Sales Manager Vincent Maes visited Westfleet Seafoods – one of Damen’s longest-standing clients – in New Zealand to talk with them about their vessel and the future.

The two Damen colleagues discovered that their customer was still very happy with their benchmark vessel and were keen that, whatever the future held, the sound principles of the Stan Fisher 2600 would remain intact.

Damen has taken these concerns on board – literally – in the development of the next generation Stan Fisher vessels, named the Sea Fisher range. However, while the need for proven reliability remains the same, a lot has changed in 40 years.

The new range is able to meet today’s requirements in terms of sustainability, for example, via application of hybrid propulsion systems that reduce both noise pollution in harbours and emissions. The series will also cater to the growing market for live and selective fishing, encouraging the protection of diverse fish species.

Naturally, you can expect the new vessels to be every bit as reliable and long-lived as their predecessors. However, Damen’s service does not stop with the delivery of a vessel; we’ll be there to support you throughout the lifetime of your vessel – whether it’s 40 years of more.
In addition to shipbuilding and design, Damen offers a network of sixteen repair and conversion yards worldwide. With drydocks up to 420 x 80 metres, Damen handles 1,500 repair and maintenance jobs annually. The facilities are spread throughout Europe and in Singapore, South Africa, the Americas and the UAE, for your convenience and flexibility.
The Willem van der Zwan is one of the largest vessels in the Dutch fishing fleet. The vessel caught fire in 2007 and was totally burnt out. A year later, she moored at Damen Shiprepair Vlissingen to be completely renovated. First all re-usable parts were removed, after which the demolition of the burnt top construction of the ship began.

Before the rebuilding started, the vessel was dismantled, thoroughly cleaned and docked in the covered drydock to remove accommodation, ship’s shell and decks. Various parts were replaced, engines overhauled and a few weeks later the vessel left the dock to be finished alongside one of the yard’s quays. Then the fish processing equipment and accommodation was fitted up. In the months that followed, Damen carried out a lot of repairs and renovations to deliver the Willem van der Zwan as good as new:

- Hull, accommodation section with new interior and paintwork were renewed;
- Propeller shaft was fitted back into position;
- The new electrical winches were installed;
- Bridge equipment such as navigation equipment was installed;
- Engine and fish factory were finalised before commissioning.
DAMEN SERVICES
NEVER SET SAIL ALONE

From the moment your vessel is ordered, Damen Services is on board. We offer a wide-ranging portfolio of customer support and after-sales services covering the vessel’s complete lifecycle.

Our family values result in an approach where we do not “abandon ship” on our customers and support you every step of the way. Our diverse service portfolio helps you to achieve your goals of availability, reliability and lifecycle costs. Our global service network and 24/7 availability ensure a swift response.

START-UP

SHIP DELIVERY
Through our worldwide service support network and knowledge of transport contracts, we offer comprehensive logistics to handle own-keel, heavy-lift, towage and semi-submersible transport deliveries.

WARRANTY SUPPORT
Our philosophy of building long-term relationships with our clients extends to providing excellent warranty support. During the warranty period, we regularly visit our clients to ensure satisfaction with our products. In the event of a problem arising, we are well-placed to solve it swiftly.

DEPLOYMENT

FLEET SUPPORT
Our fleet support solutions mean you can concentrate on your core business. We help you in achieving a reliable performance through offering remote support, the use of technological developments and total life cycle support.

TECHNICAL ASSISTANCE
Damen Services delivers the technical assistance to ensure optimal performance throughout the entire lifecycle of your vessel. Our specialties cover problem solving, short, well organised docking periods and high quality maintenance and repair.

TRAINING
Our training programmes give our customers skilled, motivated and committed employees. This sustainable approach helps customers reach the all-important goals of reduced operational costs and improved vessel uptime.

REPAIR & CONVERSION
Our established global sales network provides our customers with dedicated repair and conversion contacts to assist you, whatever their requirements may be.

MAINTENANCE MANAGEMENT SOLUTIONS
Our Maintenance Management Solutions (MMS) offer access to years of experience and knowledge, gathered together in one database. With this, we assist our clients with preventive maintenance, maximising uptime and minimising operational costs.

INNOVATION
We are always on the front line when it comes to effective, innovative solutions that make life easier. Examples include remote monitoring, a personal webportal for maintenance management, 3D parts printing and intelligent asset management.

INTEGRATED LOGISTICS SUPPORT
Integrated Logistics Support (ILS) helps you to improve your liability, availability and maintainability of your fleet and assets.

YOUR PERSONAL 24/7 SUPPORT HOTLINE
Your first point of contact remains your dedicated Damen engineer. Additionally, for severe technical or safety issues, our 24/7 service number ensures you of round the clock support. A Damen team of specialists is on stand-by to assist you until the problem is solved, to your full satisfaction.

INTEGRATION
We are always on the front line when it comes to effective, innovative solutions that make life easier. Examples include remote monitoring, a personal webportal for maintenance management, 3D parts printing and intelligent asset management.

WORLDWIDE SERVICE HUBS
Damen’s Service Hub network grew rapidly over the past years. At present there are more than ten hubs on five continents. We aim to enhance our services in regions without proximity to a Damen shipyard, but where Damen vessels are operating. Local presence enables our skilled engineers to respond faster than ever to client needs.

GREEN
Our range of Green Solutions position us perfectly to assist in your efforts towards greater sustainability. Amongst our offerings are ballast water treatment systems and scrubber installations.

TECHNICAL DOCUMENTATION
Our professional and experienced in-house team, will provide state of the art technical documentation for a smooth operation. Using this documentation enables you to operate in a safe and efficient manner, ultimately extending the operational life of your ship.

SERVICES PORTAL
The Damen Services Portal is an online platform that makes it easy for everybody involved in operating, maintaining and managing vessels to keep on top of their job.

START-UP
A BROAD SCOPE OF VESSELS

Damen Shipyards Group operates 35 yards on six continents, employing over 10,000 people worldwide. Damen has delivered more than 6,000 vessels in more than 100 countries and delivers approx. 160 vessels annually to customers worldwide. Based on its unique, standardised ship concept Damen is able to guarantee consistent quality.

Damen’s focus on standardisation, modular construction and keeping vessels in stock leads to short delivery times, low ‘total cost of ownership’, high resale value and reliable performance. Furthermore, Damen vessels are based on thorough R&D and proven technology.

Damen offers a wide range of products, aimed at providing solutions to the entire spectrum of maritime sectors.

Vessels include tugs, workboats, naval and patrol vessels, high speed craft, dredgers, offshore support vessels, pontoons and superyachts.

For nearly all vessel types, Damen offers a broad range of services, such as maintenance, spare parts delivery, training and transfer of shipbuilding know-how. To complete, Damen offers a variety of marine components, especially nozzles, rudders, anchors, anchor chains and steel works.

In addition to ship design and shipbuilding, Damen Shiprepair & Conversion (DSC) offers a network of sixteen repair and conversion yards worldwide, with 40 drydocks ranging up to 420 x 80 metres. Conversion projects range from adapting vessels to today’s requirements and regulations, to the complete conversion of large offshore structures. DSC handles 1,500 repair and maintenance jobs annually.

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