DESMI
- Proven Technology

Founded in 1834 DESMI is one of Denmark’s oldest companies and we are proud of having a long history supplying good, reliable solutions, maintaining an innovative approach and utilising the opportunities on the global market.

In recent years we have received various awards, e.g. Entrepreneur of the Year and the Danish Export Association’s Annual Member award, and we have been identified as one of “1000 companies to inspire Europe”. The selection committees have included these highlights in their reasons for nominating DESMI: Very quick implementation of an innovative business concept; high growth in export turnover; strong networking, both nationally and internationally, and finally our strength in showing the courage, the will, and the ability to embrace the global market.

We have what we believe is the right mix of hard work, skills, perseverance, luck and timing. Factors that are all vital in the daily work. Combined with our overall strategies and to the best of our capabilities, we are leading DESMI to the Next Level as One Global Company.

We consider ourselves a dynamic company with a solution-oriented approach, be it pump solutions and systems for any kind of liquid handling, environmental equipment for the recovery of oil spills, plastic and trash, or contracting activities. This is recognized by businesses all over the world in the more than 100 countries where our systems are operating, and we base our development and solutions on our customers’ current and future needs.

Our mission is to develop, manufacture, sell and service pumps and pumping systems, environmental equipment, and special products related to these areas – meeting the needs of customers around the globe. With this in mind, we are pleased to serve you.

Henrik Sørensen, CEO
DESMI was founded in 1834 by Henning Smith and is one of Denmark’s oldest companies. However, despite our age we are known as a modern and dynamic organization which has constantly evolved to meet the needs of our customers and the changing business environment.

Over the years various industrial products have been manufactured, but since mid-18th century, when the first types were introduced, pumps have been a permanent part of DESMI’s range of products.
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DESMI has specialised in the development, manufacture, sale and service of pumps and pumping solutions incl. environmental equipment for oil spill, seaweed and clean waterways for marine, industry, defence & fuel, and utility, operating globally, but acting locally.

Our product range - completed by products from other leading, world-class manufacturers - is complemented by related services such as the design and installation of pump systems and after sales service through our network of service centres.

The DESMI pumps and systems are sold to more than 100 countries via a worldwide network of subsidiaries and distributors.

In order to meet the customers’ demands for more complete systems, we are providing solutions and systems as well as single standard pumps and components.

Green technology and environmental consciousness in general are very important topics to us, and all our products are manufactured in compliance with the present regulations. Consequently, environmental considerations play an important role when we choose materials for our products and optimize their operational efficiency.

With focus on the individual needs of our customers we are providing solutions based on proven technology.

For years, DESMI has been committed to sustainable growth and as a natural step now also to the UN sustainable development goals set up by UN, and we stand together with local authorities and other manufacturers to try to make a difference.

For more information, please visit our website https://www.desmi.com/un-sustainable-development-goals.aspx

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PROVEN TECHNOLOGY - The two words describe the commitment of DESMI within our field of operation. DESMI pumps are characterised by first-class design and are recognised by our customers as being reliable, efficient and functional. Our product quality, ability to adapt solutions and a high level of technological expertise are all factors that make us a serious partner focused on the environmental footprint, energy optimisation and corporate social responsibility.
THE DESMI VISION

By focusing on **customers’ needs**
it is our vision to generate
**further sustainable and viable growth**
in activity and profit, operating as
**One Global Company**.
Thousands of DESMI pumps and systems are at work on the seven seas, and these pumping solutions are living proof that our customers are satisfied with the performance of our products.

For more than 60 years we have supplied marine pumps to the world’s fleet - from the largest container ships to the smallest fishing vessels. Regardless the size of the ship we know the owners’ demands for many years of trouble-free operation, for both marine and offshore installations.
Energy Efficient Engine Room & Offshore Pumps
DESMI offers more than 100 pump designs and variations, covering all applications of the engine room and ensuring that you will always get the right pump for the job. The pump range includes centrifugal pumps and gear pumps. DESMI pumps are designed for high efficiency, thus consuming lowest power possible.

DESMI 48 - Fast Track
DESMI 48 is a fast track service concept which means that we can supply a wide part of the pump program adapted to your specifications and printed in your color within two working days.

Energy Saving Systems
More and more vessels are equipped with the DESMI OptiSave™ energy saving system and OptiPower power quality system for energy savings and maximum performance of their electrical network.

Pumps for Free
DESMI offers a cash flow neutral investment concept for energy saving solutions for shipowners who want to energy optimize their vessels, where the savings are used to pay for the investment.

Scrubber Pumps
Our Super Duplex stainless steel pumps are designed for pumping aggressive chemical liquids in exhaust gas cleaning systems.

Cargo
The NDW pumps from DESMI are energy efficient and well proven for pumping LPG, LEG, chemical and CO₂ tankers.

Fine-Fog™
Fine-Fog™ is a fixed water based fire fighting system for local application, developed to suppress or extinguish fire at an early stage before releasing the total flooding system. Fine-Fog™ is approved by the major recognized classification societies.

Ballast Water Treatment Systems
We are providing fully approved and certified ballast water treatment systems that exceeds the IMO requirements without any need for adding chemicals or additives. Our systems are developed for being easy to operate, effective in any water salinity (salt, brackish or freshwater) or temperature, and they have very low power consumption and low maintenance costs. Simply plug and play, anytime and anywhere.
The key factors in all areas of the process industry are reliability, productivity and performance of the production plant. These are precisely the parameters addressed by the DESMI range of products, systems and services for the industry segment and we are the preferred brand and partner when customers are selecting pumps for the process industry, OEM business, and industrial utility.
Examples of Applications:

**Chocolate**
Half a century of experience in the production of pumps for the chocolate industry and close collaboration with some of the leading producers of plants have resulted in unique pumps that meet the high requirements for careful treatment of chocolate products.

**Asphalt & Bitumen**
DESMI has a full range of different pumps and matching equipment supporting the handing of bitumen products. Including unique features suited for today’s needs and new polymer-based formulations - we have the solution.

**Sugar & Molasses**
Our pumps are used for pumping different sugar products from cane and beet juice to molasses and finished sugar solutions.

**Isocyanate**
The leading isocyanate producers are recommending our magdrive pumps as they have been successfully used for a long period of time in many different applications.

**Oil Blending**
We are one of the leading suppliers to global EPC oil blending projects. Our pumps are used for field gathering, tank circulating, crude oil treating and high-capacity terminal applications.

**Soap & Detergent**
Special product features are necessary for being a supplier within this field of the industry. We have the products asked for – and a large number of pumps in operation.

**Paint & Ink**
For decades our pumps have been used in the paint and ink industry - not least thanks to the magnetically coupled design, ensuring less downtime and lower operating costs.

**Pulp & Paper**
We have the products, the know-how and the field experience necessary to be the first choice supplier of positive displacement pumps for the pulp and paper industry.

**Aqua Culture (Fish Farming)**
Pumps from DESMI have been used for fish farming for more than 30 years and our knowledge of materials for both fresh and seawater means that you will get highly efficient pumps which can help to reduce production costs throughout the process.

**Land-based Sprinkler Systems**
Moreover we offer dimensioning and guidance when complete units for fire protection, including electronic control, are supplied. All solutions are in accordance with national as well as international fire-fighting regulations.

**Industrial Utility**
With many years of knowledge from the utility segment we are capable of supplying an almost complete range of centrifugal pumps for industrial utility applications.

Within all applications we are making dedicated solutions to match the specific requirement.
The EnviRo-Clean solutions from DESMI are trusted throughout the industry. Whether the requirement is for offshore, or nearshore, the Arctic or Equatorial environment, we continue to deliver proven solutions for all spill conditions including seaweed and clean waterways. Our efficient equipment is easy-to-use and durable and meets the needs of any community at the best life cycle costs.
In the EnviRo-Clean segment, DESMI delivers efficient and responsible solutions for oil spill, seaweed and clean waterways (EnviRo-Care). Whether the situation is man-made (e.g. oil spills, plastic and other trash) or the result of the seaweed overgrowth, DESMI has easy-to-use, durable equipment to efficiently meet the needs of your community.

Oil Spill
DESMI is the market leader for booms, recovery systems, burn kits and storage systems for oil spill response scenarios within offshore, onshore, near-shore, industry and even in polar regions, DESMI supplies everything needed to help customers recover from any oil spill. We are the world’s most experienced manufacturers of oil spill response systems and have helped to clean most of the world’s oil catastrophes to date. Fully accredited by the Nautical Institute and the IMO, we pride ourselves on our know-how, strengthened by a loyal, diverse workforce having worked in the industry for many years. ‘Proven Oil Spill Technology’ is our promise as a complete oil spill response supplier.

EnviRo-Care
The clean-up of ocean bound plastic is one of the most challenging pollution problems ever faced. We have made great advancements in our ability to recover and manage the ocean bound plastics with our award-winning EnviRo-Care. Our objective is to combat the ocean bound plastic as close to the source of pollution as possible to ensure reduced leakage in the oceans. We achieve this by carefully mapping the tributaries of the world’s most polluting rivers and aim to reduce the influx of plastic pollution in the big rivers. This method is designed to make efforts at strategically chosen locations in terms of pollution leakage percentage. Thus, contributing to cleaner rivers and oceans.

Seaweed
DESMI provide solutions for the excessive seaweed, without disrupting marine life. With our proven solutions, we are able to deflect & collect the excessive seaweed to keep our beaches and shorelines clean. Our efforts ensure protection of marine life in the waters.

We design, engineer, manufacture and sell systems for most applications, including ship, boom and skimmer installations. We provide professional after-sales support and supply all spare parts throughout the system lifespan.
Solutions from DESMI Defence & Fuel are highly recognized by armed forces around the world, both Navy, Air Force and Army. Being a supplier of pumps and pumping systems for navy and coast guard, DESMI is a strong and reliable partner with deep roots in the commercial marine sector supplying complete pump packages. Our fuel handling solutions have proven their flexibility and versatility on all continents, both in tropical and artic conditions.
Based on our well-proven product and dedicated project and engineering team, any navy ship based pumping system can be supplied by DESMI.

Including everything from the biggest shock-proof seawater or fire pump, to the on-deck installed helicopter refuelling systems. Our many years’ experience with systems suitable for working in extreme and harsh conditions and environments enables us to provide total liquid management, from project management and systems integration to procurement and logistics planning.

**Fuel Handling in Extreme/Harsh Conditions**

DESMI offers practical solutions across the full range of fuel handling applications. For use in both the military and commercial sectors, our fuel systems offer proven equipment with reliability and versatility as a key function.

**Pump Solutions for Naval and Coast Guard Ships**

DESMI has a long history of providing pumping solutions for military applications not least within the naval sector. Client demands for equipment reliability under adverse conditions have made our solutions the choice of many navies, of course up to the highest NATO standards in relation to noise, vibration and shock.

**Helicopter Refuelling Systems**

To operate a helicopter from the deck of a ship requires availability of fuel for the helicopter. DESMI provides first-class helicopter refuelling systems also in explosion-proof and shock-proof versions. Picture shows helicopter inflight refuelling system (HIFR).
High Efficiency Solutions
DESMI is focusing on energy efficient solutions and has a very competitive product portfolio. As an example we are an active partner of the 4th Generation District Heating Research, which focuses on creating optimum energy efficient systems within district heating.

Flexibility - Customer Made Solutions
DESMI has an almost complete range of centrifugal pumps for applications up to PN25 and 140°C, where know-how and flexibility are essential in relation to the individual project requirements.

Tried & Tested, Global Solutions
DESMI has produced pumps for more than 140 years and therefore offers “Proven Technology”. We have produced pumps for district heating for approx. 90 years. Proven pump technology from Denmark, the country with most know-how in district heating, combined heat & power plants etc.

Examples of Applications:

District Heating
Denmark was one of the first countries in the world to construct district heating networks. DESMI has taken active part in this development and has developed a very strong product portfolio with focus on high energy efficiencies.

Combined Heat & Power Plants
Also in this area Denmark holds a leading position throughout the world – as the plants mentioned are often linked to district heating networks.

DESMI is able to provide solutions for a long list of special pump applications in such plants, e.g. for the scrubber cleaning system.

Medium/Larger HVAC
Our scope of pump applications includes HVAC solutions in airports, data centres, skyscrapers, hotels, shopping malls etc. Our offering mainly covers the medium/larger types of pump requirements.

In the utility sector DESMI focuses on energy efficient pump solutions. We provide solutions that reduce the carbon footprint significantly, while at the same time offering financial viable systems.

Our pumps are specifically developed for use with green technologies such as district heating, district cooling, waste-to-energy plants etc.
Power Generation
Over the years, DESMI has supplied solutions for a number of power plant applications around the world e.g. for oil fired power plants in Saudi Arabia and UK, nuclear power plants in China, combined cycle power plants in Lebanon as well as thermal power plants/combined heat & power plants in a number of countries.

Leisure Industry
DESMI’s many years of experience with seawater (and chlorinated water) means that we have pump solutions available in bronze alloys, which are very much in demand for larger pools.

Solar District Heating
A key component in solar district heating is obviously the solar panels, but energy efficient pumps are also in focus, and our pumps are used for circulation.

Waste Water
DESMI has many years of experience in designing and planning pumping stations, which are essential parts of a sewage system. We use this experience for each project and ensure that our customers are not exposed to unnecessarily high costs, whether it concerns installation, operation or renovation.

Fire Sprinkler Systems
DESMI is providing engineered solutions for fire protection, including control panels etc.
Systems delivered by DESMI all have a specific and advanced automation solution and with DESMI you get a solution that increases efficiency, competitiveness and enables you to meet future challenges with a green and sustainable profile.

DESMI offers a wide range of automation solutions developed for both the maritime as well as the industrial segment.

Our product portfolio covers solutions from simple motor starters to advanced PLC based energy saving solutions.

We have a flexible work force with a core of skilled automation engineers and technicians, who are located globally.

DESMI handles:
- Technical clarification
- Design
- Programming
- Installation
- Commissioning and service

Automation solutions are developed according to specified rules and regulations, UL standard, EN/IEC standard, ATEX/IECex standard and all major marine classification societies.

Our commitment to innovation and hence to developing new automation products for worldwide applications guarantees long-term sustainable company development and therefore a secure future.
CONTRACTING

DESMI Contracting A/S is carrying out complete turnkey projects in developing countries, combined with a tailored project-financing solution.

DESMI Contracting has over 30 years of worldwide experience in the development and implementation of turnkey projects. Our long-term experience, and extensive network of project partners, help to ensure a successful project implementation, backed by our proven track record.

Our project team can assist clients through all project phases, starting from the project initiation and development phase until final project handover.

Services include:
- General project management
- Project identification
- Client consultation
- Fact-finding
- Needs assessment and surveys
- Equipment specifications
- Preparation of project proposal
- Project implementation
- Technical assistance
- Provide project-financing solutions

In addition to projects related to DESMI group core business such as EnviRo-Clean solutions, irrigation and utility, DESMI Contracting is focusing on industrial and infrastructure projects, and projects within agriculture, education, health and environment.
DESMI products are developed, produced, and marketed under the ISO 9001 quality certification and satisfy all quality requirements as specified by customers.

DESMI products are of such a quality that they are considered to be reliable, functional and of a good design.

DESMI products must not be dangerous or in any way be a security risk to the customers/end-users when handled and used correctly. DESMI products are designed in such a way that they comply with existing legal requirements.

Within the shipping industry we deliver a DESMI product appendix to the Ships’ Green Passport.

When DESMI performs contract work, the products will be developed and produced in accordance with the same quality instructions that apply to all DESMI products and any supplementary requirements specified by the customer.

The product quality, our ability to adapt, and a high technology level guarantee our customers a partner and a serious problem solver who offers recognised and durable products.
HSE & CSR

DESMI is a socially responsible and conscientious company playing an active role in the local community

Health, Safety & Environment
DESMI ensures a healthy working environment. We care for each employee's physical, mental and social well-being and we are committed to providing safe working conditions in a working environment with contrasting diversity in language and culture.

Our Good Quality is Ensured by our Staff
DESMI's largest asset is our dedicated staff. Their key skills and combined competences ensure that the ‘DESMI of the future’ will continue to be based on good ethics and healthy values. Customer oriented behaviour, humour and readiness to change are some of our key values.

Corporate Social Responsibility
Image, ethics and conduct, corporate social responsibility, environmental impact and the principles of the UN Global Compact are all integrated in the overall DESMI group strategy as it is our belief that respect for the individual and sustainable products and production must be the basis of continued growth of the DESMI group.

Our best opportunity to improve our impact on the external environment is by developing products and concepts that support a reduction in energy consumption, thus reducing their environmental impact.

Consequently we attach great importance to ensuring that our products are designed, manufactured, used and disposed of in an environmentally sound way.

We will seek to base our work on a corporate social responsibility within all group companies through the boards of these companies, working on ensuring that at any time all companies in the group can implement an environmental certification in accordance with the ISO 14001 standard.
AFTER SALES SERVICE
Our dedicated global DESMI Service Team
delivering local service

The DESMI Service Team operates globally and around the clock. We can offer simple advice over the phone or full, on-site maintenance and service programmes.

The team is factory-trained and fully capable of meeting both your technical and practical demands.

We have customized programmes to meet specific client requirements and be your partner of choice.

DESMI Service Team supports a working culture based on an appropriate respect for health, safety and environmental issues.

In case of emergency breakdowns, we are always able to access our global parts database, sending spare parts or complete pumps 24 / 7 / 365.

Our service includes various concepts and services:
• Genuine spare parts kits
• DESMI 48 - Fast track delivery of pumps
• Technical advice by phone
• Skilled service engineers
• Maintenance agreements
• Etc.

Other services from our team also include:
• Documentation & project engineering
• Applications guidance
• Pump training seminars
• Etc.

And online you can access our:
• Pump selection programs
• Product videos
• Overhaul videos
• Manuals
• Etc.
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