

MARITIME | INDUSTRY | OFFSHORE



VACUUM TOILET SYSTEMS | VACUUM COLLECTING SYSTEMS | WASTE MANAGEMENT SYSTEMS

AURA
MARINE

BIOSEA
by BIO-UV

detegasa
GRUPO ARGOS

IDO
Geberit Group

DESMI
Make life flow

Kolmeks

HOYER
MOTORS

Kelvion

d·e
Est. 1992

valsir
QUALITY FOR PLUMBING

FARAD
HEAT EXCHANGERS

VAN REMMEN
UV Technology

lfö
Geberit Group



ABOUT US

MARITIME | INDUSTRY | OFFSHORE

Based in Hemmoor near the River Elbe, between Hamburg, Cuxhaven and Bremerhaven, we are specialized in international trading with technical spare parts and components for marine, offshore and industry applications. Our customers are Shipowners, Ship management companies, Yards, Traders as well as companies from other industry branches.

Besides our high quality spare parts, we also supply complete systems/aggregates.

With our technical funded consulting we are working on your customized demands every day. Our service engineers are always available to provide our customers with their knowledge for maintenance, repair or trouble shooting on side (on- and offshore).

HAGEDORN Products & Systems has long terms cooperation with well-known makers all over the world, therefore we will provide you with professional and reliable support if you require spares / services for your vessels or for factory plants. We are always at your disposal (24/7 Service) with our young dynamic team and our worldwide Partners.

FACTS

- Based in Hemmoor, Germany
- 62 employees
- More than 250.000 parts in stock
- Own vacuum test station for vacuum toilets and pumps incl. production/assembling line
- Own workshop for pump repair/assembling/maintenance
- Own service/engineering team to do service on and offshore
- Offshore certified service technicians
- Sales offices in Cyprus, Greece, Finland & India
- Agencies Greece, South Korea & India
- Membership of IMPA / VDS
- ISO 9001 certified & ISO 14001 (under development)





SCOPE OF SPARE PARTS

PUMPS

Maker:

AGROMETER	ALLWEILER	BBA PUMPS	BEHRENS
BLAGDON	BOMBAS AZCUE	BOMBAS ITUR	BORNEMANN
BÖRGER	CALPEDA	DEPA	DESMI
DICKOW	EBARA	EDUR	EVAC
GARBARINO	GRACO HUSKY	GRUNDFOS	HAMWORTHY
HERBORNER	IMO	LEISTRITZ	LOWARA
NANIWA	ODDESSE	ORPU	PROMINENT
RICKMEIER	SANDPIPER	SEEPEX	SHINKO
SHIN SHIN	SPECK	SVANEHØJ	TAIKO KIKAI
THUNE EUREKA	VERSA MATIC	VICTOR	VOGELSANG
WANGEN	WILDEN	WILO	YAMADA



ELECTRICAL MOTORS

Maker:

ABB	AC MOTOREN	FOCQUET	HOYER
NORD	ROTOR B.V.	SIEMENS	WEG



AIR COMPRESSORS BLOWERS

Maker:

ALUP	BECKER	ELMO RIETSCHLE	GARDNER DENVER
HATLAPA	HAMWORTHY	NEUEN-HAUSER	ORPU
SAUER & SOHN	SPERRE	TANABE	TAMROTOR



SEWAGE TREATMENT PLANTS

Maker:

AQUACHEM	AQUAMAR	BIO COMPACT	DETEGASA
DVZ	EVAC	GERTSEN & OLUFSEN	HAMWORTHY
JETS	JOWA	RWO	TBU
TRITON FORMAT / WATER		WÄRTSILÄ WATER & WASTE	





SCOPE OF SPARE PARTS

SANITARY COMPONENTS

Maker:

AIRVAC	AQSEPTENCE	ELECTROLUX	EVAC
GEBERIT	GUSTAVS-BERG	HAMWORTHY	HANS GROHE
IDO BATHROOM	IFÖ	JETS	KERAMAG
ORAS	ROEDIGER	STACO CO.LTD.	TOTO
TRITON FORMAT / WATER		VACDRAIN	WATTS



SEPARATORS / FILTRATION WATER TREATMENT / UV-SYSTEMS

Maker:

ALFA LAVAL	AQUAFINE	BLOHM & VOSS	BOLL & KIRCH
DETEGASA	DVZ	GEFICO	MAHLE
MOATTI	OCEAN CLEAN	RWO	SONDEX
UEBERALL	VAN REMMEN	WEDECO	WESTFALIA



HEAT EXCHANGER

Maker:

ALFA LAVAL	APV	BLOKSMA	FARAD
GEA ECOFLEX	KELVION	SPX	TRANTER



GALLEY EQUIPMENT

Maker:

BERTOS	DISPERATOR	ELECTROLUX	FAGOR
INSINK-ERATOR	LOIPART	METOS	USON MARINE





SCOPE OF SPARE PARTS

MEASUREMENT & SENSORS

Maker:

AQUAMETRO	BESTA	DANFOSS	EMERSON
MOBREY	NIVELCO	TRAFAG	VAF



BALLAST WATER SYSTEMS

Maker:

ALFA LAVAL	BIOSEA	DEMSI Ocean Guard	ERMA FIRST
HEADWAY	TECHCROSS		



BOOSTER / FEEDER / MGO MODULES

Maker:

AURAMARINE	ALFA LAVAL	KUPKE & WOLF
MAS (MARITIME ASSEMBLY SYSTEMS)	WESTFALIA	



ADDITIONAL SUPPLY

- ✓ VALVES (SHUT-OFF-; NON-RETURN;
STRAIGHT-; ANGLE ACC: TO DIN / JIS)
- ✓ SENSORS / TRANSMITTER
- ✓ PIPING COMPONENTS (PIPE COUPLING STRAUB;
REPAIR COUPLING; PUSH-FIT PIPING – ACO; LORO;
GEORG FISCHER; ETC...)
- ✓ FLOWMETERS / VISCOMETERS
- ✓ SAFETY SIGNS – EVERLUX
- ✓ COUPLINGS: ROTEX, KTR, JUBOFLEX, ETC





SCOPE OF PRODUCTS

PUMPS

Our wide range of products enables us to meet your requirements from a wide range of areas for professional use. Please take a look at our products. We are at your disposal for further information and look forward to your inquiry.

Our pumps can be used for the following services in the Commercial, Residential, Agricultural, Marine & Offshore, Process, Petroleum and Food & Beverage industries.

Applications:

- Water Treatment & Supply
- Sea Water Transfer
- Fire Fighting & Protection
- Bilging & Ballasting
- Pressure Boosting
- Air Conditioning
- Cooling Towers
- Refrigeration
- Plumbing
- Circulating Transfer
- Irrigation
- Drainage
- Sewage Treatment Units

Centrifugal pumps



Displacement pumps





SCOPE OF PRODUCTS

VACUUM SANITARY SYSTEMS

We work together with well-known manufacturers in order to offer the most suitable system in the field of sewage vacuum collecting systems for any application. The collection of wastewater is mainly used for sanitary or disposal systems. Our systems are installed on vessels, offshore stations, railways, hospitals or airports.

Together with our partners we design, manufacture and sell environmentally friendly solutions.

WE ALSO HAVE OUR OWN PRODUCT LINE!

Our scope of supply:

- Vacuum pumps
- Vacuum pump stations
- Vacuum toilets
- Vacuum collecting tanks
- Vacuum interface valves
- Urinals & valves



SAVE WATER! Compared to traditional gravity toilets, our vacuum toilets consume 50% less water per flush. Additionally, our vacuum pumps/systems are suitable for disposal of condenser water for supermarkets.





PARTNERS / AGENCIES

HOYER

MOTORS

Together with our partner Hoyer Motors from Denmark, we are able to supply high-quality, efficient and powerful motors for a wide variety of applications in marine and industry.

Product range:

- ✓ IE1 Marine motors
- ✓ IE2 Marine motors
- ✓ IE2 Industrial motors
- ✓ IE3 Motors
- ✓ IE4 Motors
- ✓ Explosion proof motors
- ✓ Explosion proof marine motors
- ✓ Marine break motors
- ✓ Medium voltage motors
- ✓ Wind turbine motors
- ✓ Other motors



With our extensive product range, we can cover an extremely wide range of requirements:

- ✓ Frame size: 56-560
- ✓ Output: 0,12-1800kW
- ✓ Poles: 2-8
- ✓ IP Protection class: 55-66

With approx. 60,000 motors on stock in Europe and the constant possibility of direct shipping, short-term requirements can also be met.



PARTNERS / AGENCIES



BIO-SEA designed the smallest ever ballast water treatment system on the market with all in one equipment. Our systems are IMO and USCG Type Approved.

The product combines two treatment technologies (mechanical filters and UV-C treatment) into a single one unit.



Benefits:

- ✓ UV dose automatic regulation depending on water quality
- ✓ Tested in low UV water transmittance conditions with best results
- ✓ Safe: chemical free, zero by-product, zero active substances
- ✓ Not impacted by water temperature, neither by salinity
- ✓ Easy to install, operate and maintain
- ✓ Automatic operation, easy-to-use interface
- ✓ First Class marine components from reliable European suppliers
- ✓ Cost efficient solution, low OPEX
- ✓ Available in flexible and scalable skid design, semi-modular and loose components versions to fit in all ships environment



PARTNERS / AGENCIES



Auramarine is a leading player in marine engineering, specializing in innovative and sustainable solutions. Focused on cutting-edge marine technology, the company excels in propulsion systems and energy efficiency. Auramarine's commitment to environmental responsibility and client satisfaction sets it apart in the maritime industry.

Product range:

- ✓ Heavy Fuel Oil (HFO) supply units
- ✓ Marine Gas Oil (MGO) supply units
- ✓ Emergency pump units (AEP)
- ✓ Cooling and chilling units (ACU, AMC)
- ✓ Auramarine feeder unit (AMF)
- ✓ Lubrication units
- ✓ HT-water preheating unit (APU)
- ✓ Fuel Changeover Systems
- ✓ Methanol Fuel Supply Units <NEW>

The Methanol Supply system supplies methanol from the bunkering station to engine inlet whilst and at same time regulating the flow, pressure and temperature of the methanol. All this, combined with filtration, ensures it is suitable for engines and other methanol consumers.

- Safe design
- Suitable for engines (both 2-stroke and 4-stroke) and other methanol consumers
- Fulfills rules and regulations
- Also suitable for methanol system retrofits





PARTNERS / AGENCIES



The growing focus on waste systems in the marine industry helped us develop a range of innovative products that can properly meet all the market needs. White Marine® is a plug-in system consisting of pipes, fittings and accessories, specifically industrialised, manufactured and patented by Valsir for the marine industry. The system provides piping made from three different layers of material, combined together to achieve ultra-high mechanical performance - even at low temperatures - as well as excellent soundproofing qualities.



- **Exceptional UV resistance** allowing for outdoor installation
- Outstanding **resistance to salt** compared to metal systems (stainless steel and galvanised steel)
- Total water tightness of the connections, thanks to the **pre-mounted elastomeric seal** (from 1.5 mbar to -800 mbar)
- White Marine is 3 times **lighter** than stainless steel and 4 times lighter than galvanised steel
- High **impact resistance** at low temperatures (**down to -25°C**)
- Wide range of **diameters, from 40 to 250 mm**



PARTNERS / AGENCIES



DETEGASA is one of the internationally renowned companies specializing in tailored solutions for the maritime and offshore industries. The company focuses on the development, production and maintenance of high-quality wastewater treatment systems, waste disposal solutions and customized technical applications that meet the highest international standards.

Product range:

- ✓ Sewage Treatment Plants
- ✓ Oily Water Separators
- ✓ Marine Incinerator
- ✓ Helicopter Refueling Systems
- ✓ Galley and Laundry Equipment
- ✓ AFFF Fire Fighting Stations
- ✓ AFFF Hose Reels
- ✓ Food Waste Treatment Units





PARTNERS / AGENCIES



Our partner Kolmeks is a global leader in industrial pumps and motors, recognized for precision and reliability. Serving diverse sectors, including manufacturing and energy, the company stands out for its commitment to innovation, sustainability and customer satisfaction.

Product range:

- ✓ In-line pumps with integrated frequency converter
- ✓ In-line Single Stage Centrifugal Pumps with IEC-motors
- ✓ In-line centrifugal pumps
- ✓ In-line centrifugal pumps with IEC motor
- ✓ In-line centrifugal pumps stainless steel
- ✓ End-suction centrifugal pumps
- ✓ Hot domestic water pumps – Bronze
- ✓ Pressure booster stations
- ✓ Multistage pumps
- ✓ KC Circulator pumps for hot water systems
- ✓ KC Circulators
- ✓ Twin pumps
- ✓ KI pump series



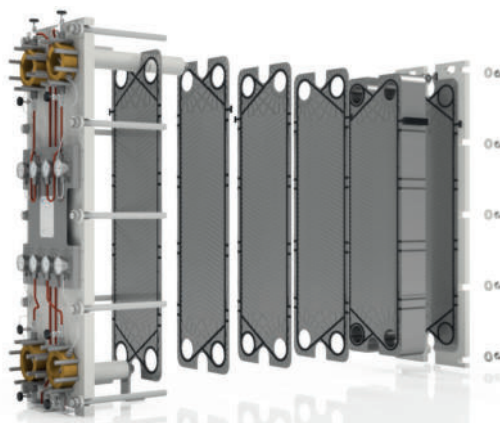
Kolmeks has been engineering pumps for over 75 years. We help our customers win critical efficiencies by offering them a portfolio of state-of-the-art pumps. The main industries we work with include building services, industrial, marine and mobility operators. Now and in the future, the human infrastructure depends on pumps that improve the quality of lives through sustainable means.



PARTNERS / AGENCIES



Farad Heat Exchangers is more than a supplier; they are our reliable partner in thermal solutions. Known for innovative heat exchange solutions, Farad seamlessly aligns with our pursuit of quality. Our collaboration ensures customers receive advanced, efficient, and environmentally friendly thermal solutions.



Product range:

- ✓ Gasket Plate Heat Exchangers
- ✓ Box Coolers
- ✓ Cargo Condensers
- ✓ Charge Air Coolers
- ✓ Electric Heaters
- ✓ FC Condensers
- ✓ HVAC Air Coolers
- ✓ LNG – LPG Vaporizers
- ✓ Tank Cleaning Heaters
- ✓ Water – Oil Coolers

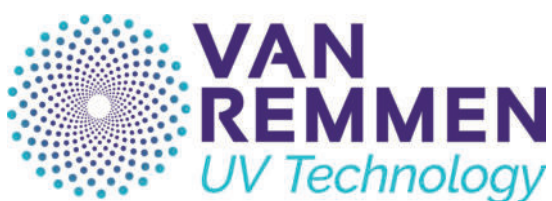
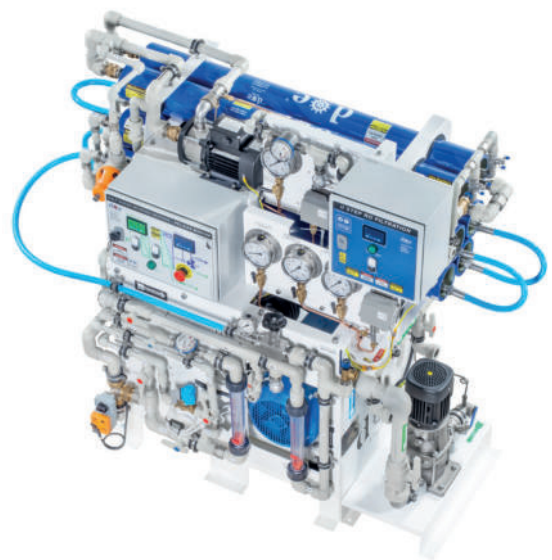


PARTNERS / AGENCIES



Product range:

- ✓ Drinking water solution
- ✓ Desalinators
- ✓ UV-C Disinfection
- ✓ Water filtration & treatment
- ✓ High pressure cleaner
- ✓ Tanks & Hydrophores
- ✓ Calorifier



Product range:

- ✓ UV disinfection solutions for
 - > Waste water applications
 - > Potable water applications
 - > Swimming pool applications
 - > Agriculture applications
- ✓ Surface Disinfection





PARTNERS / AGENCIES



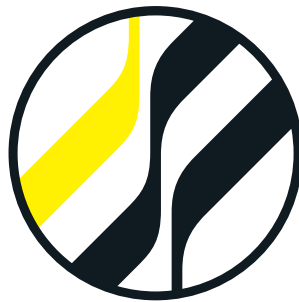
The Geberit Group is a global European market leader in the field of sanitary products. They manufacture very high-quality sanitary technology and ceramics. The Geberit Group has a strong local presence in most European countries and thus offers unique added value in the area of sanitary technology and bathroom furniture. Since few years the Scandinavian brand IFÖ and IDO Bathroom belongs to the Geberit Group.





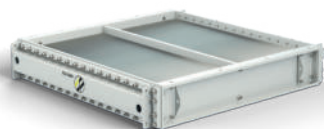
PARTNERS / AGENCIES

Kelvion



Kelvion is among the world's leading providers of heat exchanger technology, delivering reliable and efficient solutions specifically tailored to the maritime industry. Their robust and compact products, including plate and shell-and-tube heat exchangers, ensure optimal temperature control for engines, fuel systems and other critical onboard applications.

With a strong emphasis on fuel efficiency, emission reduction and compliance with IMO regulations, Kelvion enables sustainable and cost-effective operations. A global service network ensures expert support wherever vessels are located.





SCOPE OF SERVICE

ENGINEERING

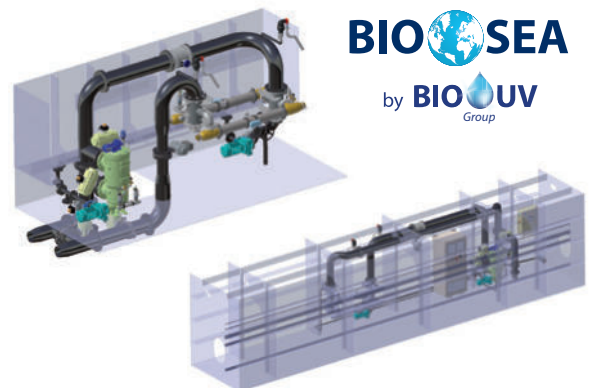
HAGEDORN Service & Engineering GmbH offers consultancy, design and engineering for a wide range of markets. We have the experience and skills to deliver the peace of mind you need and we do this by keeping your project on track, in scope and in budget. Being flexible and agile, we take on any challenge with confidence and creativity.

What we do:

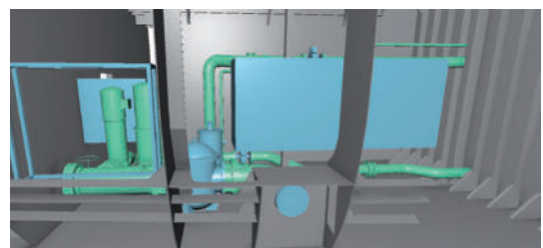
- **TECHNICAL SUITABILITY EVALUATION**
 - Shortlist of viable equipment
 - Review of Vessel Ballast P&ID
 - Review of Machinery Arrangement drawings
 - Review of Electrical drawings
- **ON BOARD SURVEY & 3D LASER SCANNING**
 - As-built verification
 - 3D Laser Scanning
 - Point Cloud model
 - Equipment positioning
 - Integration consequences
 - Proposed routing of piping systems
 - Electrical compatibility
- **BASIC ENGINEERING**
 - Integration design
 - Classification documentation for piping systems
 - Classification documentation for electrical systems
 - General Arrangement, Machinery Layout
 - Foundation of BTMS equipment
 - Pump Room modification
- **DETAILED ENGINEERING**
 - 3D Modelling for Pipe and Hull elements
 - Workshop drawings
 - Part lists & material specifications
 - Pressure drop Calculation
 - Flow Analysis
- **INSTALLATION SUPPORT**
 - Follow-up of installation procedure
 - Installation procedure with our flying team
 - Follow-up of installation of new piping and electrical systems
 - Final class inspection

Example:

Ballast Water Treatment Integration



EGCS Installation



We provide reliable and proficient engineering and project management solutions to meet our customers EGCS requirements in attaining compliance with the IMO 2020 Low Sulphur Regulation.



SCOPE OF SERVICE

ENGINEERING

For 3D laser scanning | 3D modeling | reverse engineering

At HAGEDORN Service & Engineering GmbH, we specialize in cutting-edge solutions in 3D technology, offering a comprehensive suite of services in 3D laser scanning, 3D modeling and reverse engineering.

3D Laser Scanning:

Our state-of-the-art 3D laser scanning technology allows us to capture detailed, precise measurements of physical objects and environments. Whether you're in architecture, engineering, or manufacturing, our scanning services provide a foundation for accurate data acquisition.

3D Modeling:

Transforming raw data into actionable insights, our 3D modeling services bring your concepts to life. Our team of skilled professionals utilizes advanced software to create detailed and realistic 3D models tailored to your specific needs.

Reverse Engineering:

Innovation often requires understanding existing structures. With our reverse engineering expertise, we can deconstruct and analyze physical objects to recreate them digitally. This process is invaluable for product improvement, redesign or replication.





SCOPE OF SERVICE

SERVICE / REPAIR / MAINTENANCE

For Sewage treatment plants

HAGEDORN Service & Engineering GmbH offers a full range of services for marine sewage treatment plants (STP), also for offshore applications (offshore certified service technicians). Our full-time service staff is committed to providing the best marine sewage treatment service.

Preventative maintenance reduces the risk of unexpected breakdowns and increases machine reliability. Regular maintenance of your marine sewage treatment device is crucial for service life, safety, and operational readiness.

HAGEDORN Service & Engineering GmbH is committed to meeting our customers' maintenance needs throughout the vessel's life cycle. This includes servicing, planned preventative maintenance, operator training, equipment, and/or spare parts.

Our service offer contains:

- Annual checks
- Inspections
- Repairs
- Regulatory Sampling
- Preventative Maintenance
- Corrective Maintenance
- Technical Support
- Training Classes
- Commissioning and/or Commissioning Supervision
- Installation and/or Installation Supervision
- Emergency Field Service





SCOPE OF SERVICE

SERVICE / REPAIR / MAINTENANCE

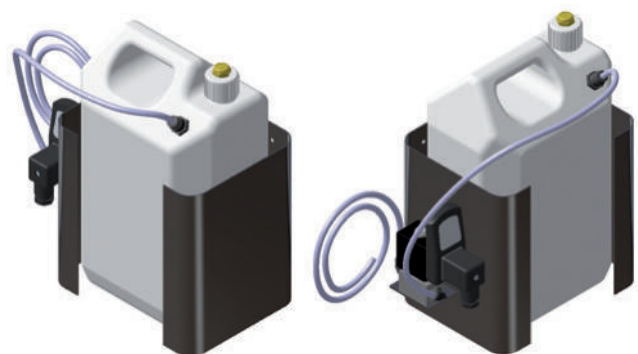
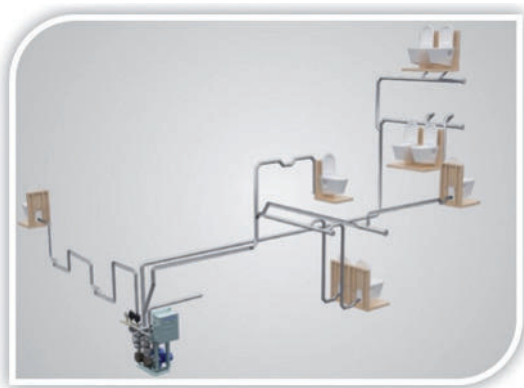
For Vacuum systems

After a while of installation a vacuum toilet system calcium scale starts building up inside the pipe work. The flow reduces and eventually the system blocked. Often it is necessary to demolishing pipes to locate and solve these blockages, all this means downtime in the toilet system and all the additional inconvenience that results from it. Therefore peridic cleaning of the system is necessary to keep the whole system running.

A part of our service which we can offer:

- Descaling of Vacuum Pipe System
- Yearly maintenance of Vacuum Toilets / Vacuum Generation Unit
- Spare parts supply
- Troubleshooting

Additonally to prevent the grow of calcium scale, we recommend to install our Automatic Dosing Systems (HPS DosVac) which need to be installed at the end of every vacuum line in order to keep all lines free.





SCOPE OF SERVICE

SERVICE / REPAIR / MAINTENANCE

For Pumps

Maintenance, repair and annual check of pumps, blowers and electrical motors. With our certified staff (on- and offshore) and our global network, our service offers you quick and flexible maintenance and repair work for a wide range of pumps, blowers, electrical motors from various manufacturers. Depending on the customer's requirements, our service staff carry out the work in our workshop or directly on site.

If you are personally responsible for the engineering and maintenance of your pumps, we will be happy to help you to choose the spare parts you need.

Service Partner of **DESMI**
Make life flow

Our offer includes:

- Engineering & Project planning
- Maintenance, repair, annual check
- International collection and delivery service
- Installation
- Engineering
- Maintenance
- Spare parts service
- Test runs in our test field





SCOPE OF SERVICE

SERVICE / REPAIR / MAINTENANCE For Various Systems

Our extensive range of Services is an important pillar of our company.

To ensure availability, best possible efficiency and longest conceivable service life of your units, we inspect, repair, service and overhaul following devices and units on- and offshore:

- Ballast Water Treatment Systems
- Marine Incinerators
- Oily Water Separators
- Fresh Water Treatment Systems
- Fuel Supply Units
- Electrical Motors



Our Services & Solutions include:

- Engineering & Project planning
- Maintenance
- Repair & Troubleshooting
- Annual check
- International collection and delivery service
- Installation
- Field services
- Training courses in our facilities
- Training field for operators and crews
- Remote technical advice
- Spare parts service



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