

WE TRY HARDER



Ship Repair | Spare parts | CMEMS | Project Management



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What we offer:

- High quality at cost effective price
- Fast delivery and availability 24/7
- Various material choices according to end-use applications
- Service and spare part stocking agreements
- Flexible service
- Specialist support services and installation
- Technical know-how and comprehensive product range
- Worldwide service & shipping



We try harder!

Our services:



- Ship repair services
- CMEMS (Complex Main Engine Monitoring System)
- Gear box & engine repairs
- Mechanical / Engine repairs
- Grabs manufacturing / Overhauling
- Stainless steel works
- Various hydraulic system repairs
- Marine chocking services
- Laser alignment services
- Electrical repairs
- Manufacture & supply of spare parts
- Project management for complicated and/or non-standard projects
- Technical consultations & estimations
- IT services & repairs
- Hatch cover, ramp and hydro cylinder repairs
- Mechanical units and components prefabrication
- Special works
- Subsidiary works during engine conversions
- Noise insulating services (noise insulating blankets and constructions)

Ship repair services

JSC "BME Services" offers teams of qualified technicians for various ship repair services. We strictly check our workers' qualifications and abilities, as quality is of utmost importance to us. All our employees speak English, are trained in Fire and Health Safety, and a supervisor always accompanies the crew.

Crews we provide for your repairs or construction:

- Mechanics for gear box, hydraulic repairs
- Mechanics for engine repairs
- Certified marine chocking technicians
- Certified laser alignment technicians
- Automatic Engineers
- Certified welders and fitters (black metal & stainless steel)
- Electricians
- Insulation fitters (noise, heat insulation)



CMEMS system is an open type system where additional sensors and analytical mechanisms can be added in at any time or it can be combined with Parker sensors for gear boxes. As time goes by, your vessel's needs change and grow – so does our system.

BME Services kindly offers your vessels a CMEMS system, created and developed by our engineers.

THE SYSTEM INCLUDES

Cable and installation works

10" touch screen operating panel

8 knocking sensors

8 oil splash sensors

2 rotation sensors

4 water temperature sensors

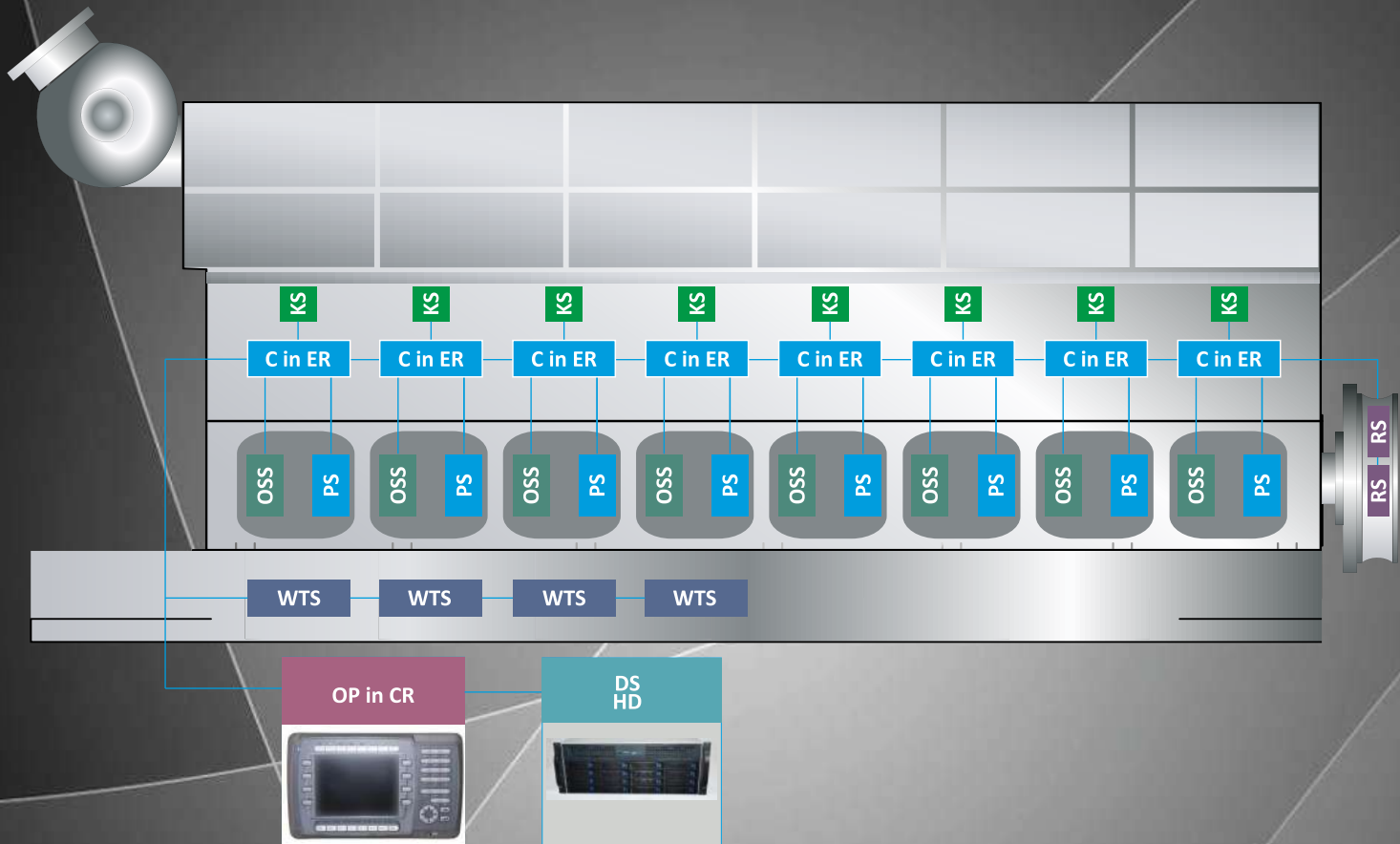
CMEMS will show 4 parameters: knocking sensors' signals, oil splash temperature, rotation & water temperature. All parameters are recorded on intervals chosen by the vessel that can be analyzed and compared to other engines and vessels.

CHOOSE FROM 3 TYPES OF ALARMS

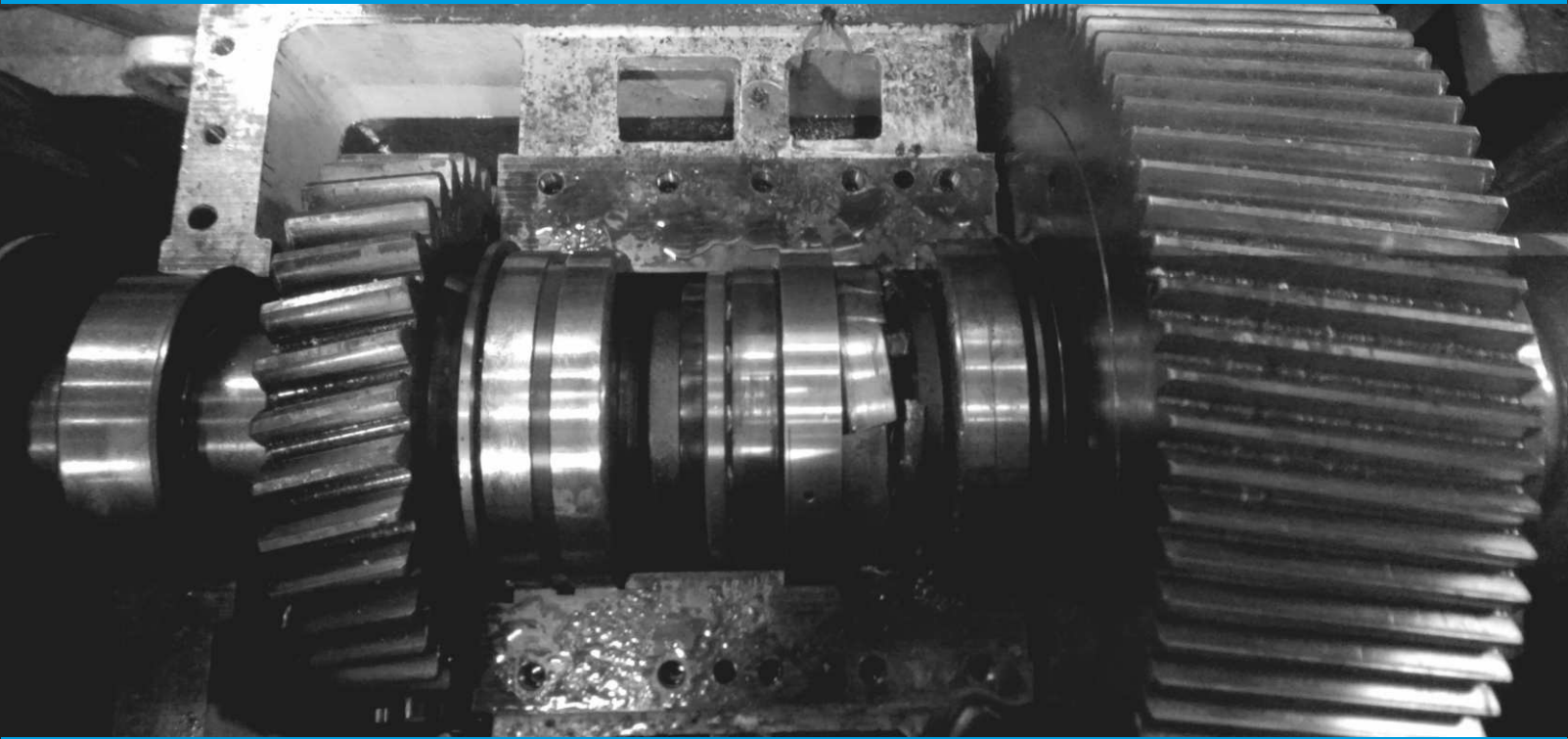
- Visual and sound signal requiring the operator's attention
- Siren
- Engine shut-down

Every event is recorded, so it can be later analyzed and prevention measures can be implemented.

A basic CMEMS system diagram



- * Collector in Engine Room
- * Oil Splash Sensor
- * Data Storage Hard disk
- * Knock Sensor
- * Operating Panel in Control Room
- * Water Temperature Sensor
- * Rotation Sensor
- * Performance Sensor



Gear box & hydraulic repairs, electric motor repairs

JSC "BME Services" has knowledgeable and reliable mechanics who provide gear box and engine inspections and repairs. We supply gear box bearings, renew the shafts or manufacture new ones. The team can work anywhere in the world. Prices depend on the scope and timeframe of the project and we are flexible when finding a mutually suitable solution.

Hydraulic repairs are done based on our experience with one of the leading worldwide companies, using spare parts manufactured to highest market standards. BME Services also supplies all the necessary hydraulic parts for the repairs onboard. Various hydro cylinders are manufactured in our workshop according to your vessel's specifications.

Rewinding, repairs and testing of various electric motors, bearing supply and shaft renewal. The works are carried out in our workshop in Klaipeda, Lithuania or onboard your vessel.

Mechanical/ Engine repair works Laser alignment services

Engine inspection and repairs onboard:

- Laser alignment of diesel engines – Easy Laser equipment and certification
- Repair works and overhauling of main & auxiliary engines
- Repair works and overhaul of turbochargers

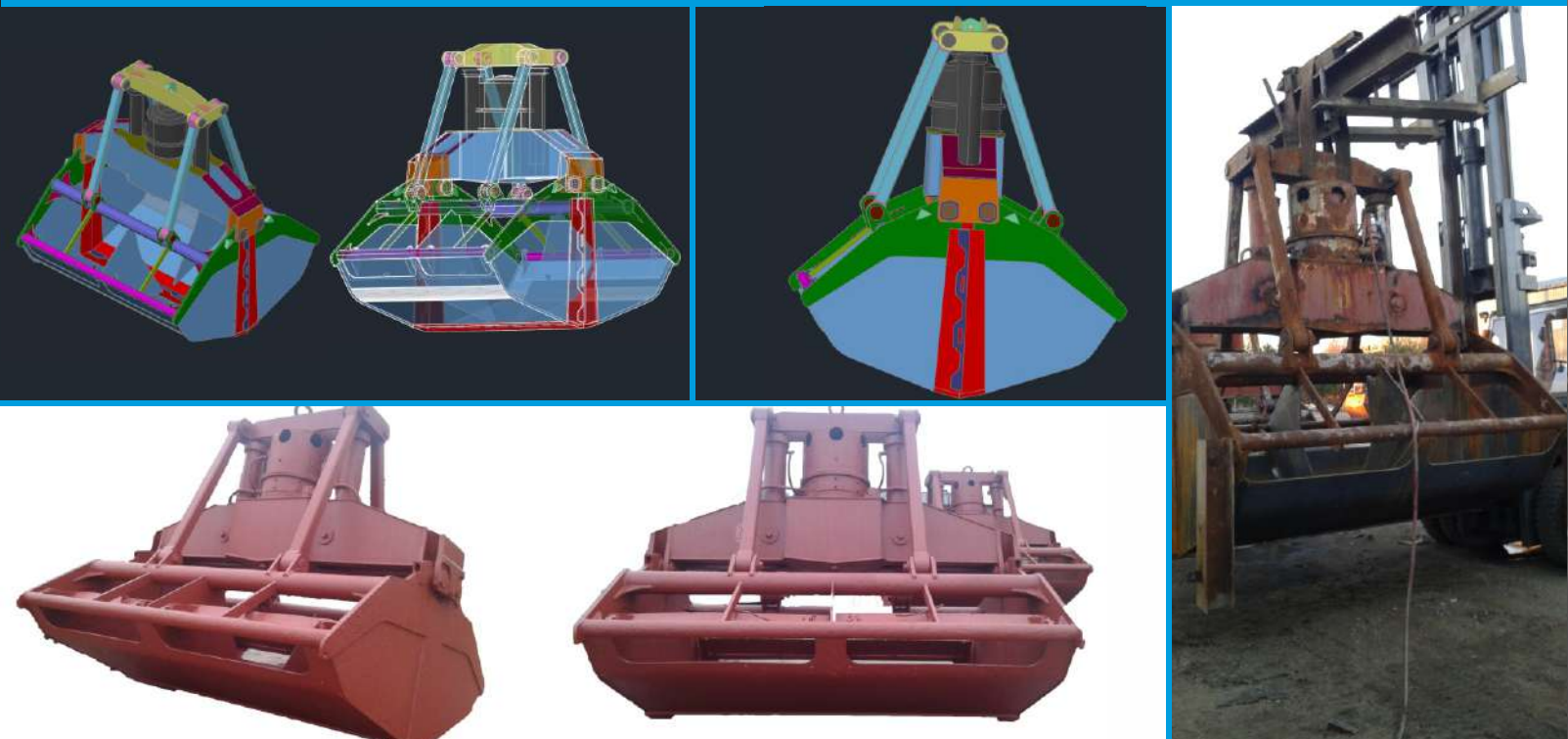


Hydraulic grab manufacturing / Overhauling

JSC „BME Services“ manufactures and repairs various hydraulic grabs.

Hydraulic grabs overhauling completed in our workshop or onboard.
Some works can be carried out during voyage:

- UTM testing for metal thickness
- Hardox400 lips manufacturing and installation
- Pins Manufacturing
- Steel installation
- Hydraulic system repairs
- Electric system repairs
- Scrubbing
- Welding
- Painting

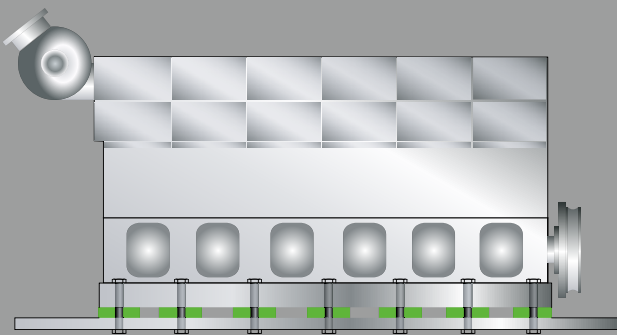


Marine chocking

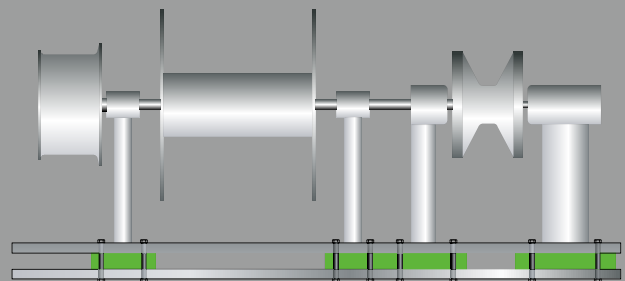
JSC "BME Services" offers **certified Loctite - Henkel technicians** for marine chocking of main propulsion and auxiliary machinery, main engines and other equipment. Loctite® Fixmaster® Marine Chocking achieves 100% surface coverage, precise equipment alignment, high compressive strength and long term durability. Loctite® Fixmaster® Marine Chocking is suitable for chocking all sizes and types of main or auxiliary marine engines and other machines that need accurate location such as stern shaft tube and pintle bush. It eliminates need for fine machining of foundation as it will conform precisely to the machine surfaces.

Other shipboard applications include: Sterntube and Strut Bearings, Pintle and Rudder Bearings, Pedestal Bearings, Steering Gears, Stern Winches, Engine Room Pumps, Cargo Pumps, Cable Penetrations, Large Ball or Roller Bearings, Bow Thrusters and Anchor Windlasses.

Installation of Main Engine



Installation of Deck Machinery



LOCTITE®



IT services

Our experienced team of IT and network engineers manage hardware changes and installations both port-side and on vessels, backed by 24/7 Support. We work with our clients to procure, install and maintain IT systems and services; delivering cost savings to clients every time.

Vessel Based Services

- Installations and configuration of Server, PCs, Win Update, Antivirus, all printers on Server Backup, MS operating system, antivirus
- Security access levels
- Configuration of remote connections from the office
- Cabling
- Software support of any attached peripherals i.e. modems

Network Support

- Supporting the configuration of your network routers/ switches/ firewall, etc.
- Fault diagnosis of all network hardware, including cabling and network cards of servers and workstations

We offer **world-leading IP-based communication products** such as routers, switches, modems and converters made to endure not only industrial settings, but even the harshest environments.

- Automation Technology products
- HMI operator communication
- Maritime panels
- Data communication products
- Remote I/O systems » Network adapter modules





Ship Repair
Various Part Supply
Project Management
Inspecting

OUR MARINE PARTS

All parts the company manufactures are customized according to the client's measurements and specifications. Parts can be produced from drawings, old samples or information taken during vessel inspection. Supplies are shipped globally – to any destination your vessel trades in. Supply times vary depending on the parts required. JSC "BME Services" can also store items that the client requires on a regular basis in our warehouse, so **we always have spares for your vessel in stock**. All raw materials and parts are tested for conformity to ensure highest quality.

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Manufacture & supply of marine parts

Our spare parts cost around 10-30% less than the average EU prices. We also offer spare part stocking agreements depending on our client's needs. **NO minimum purchase amounts – even 1 unit can be ordered.**

- Chromed parts
- Rubber parts
- Sleeves
- HSC & VSC special and FAG, SKF, NSK standard bearings
- Various sensors
- Lubricants
- Cement seat valve sets
- Valves – black metal (galvanized or chromed) or stainless steel
- Flanges from various materials, drilled according to ANSI, DIN, BS, JS or SABS standard
- Coupling parts
- Sounding pipe heads
- Wearing bushings for valves
- Filters (bag & sleeve, primary, secondary, various other)
- Air blowers
- Stainless steel pipes / modules manufactured accor...
- Hydraulic parts
- Cylinders
- High pressure hoses for abrasives
- Engine parts MAN, SCANIA or analog
- IT parts

Please contact us with enquiries for parts not listed, as the company has capabilities to produce a wide range of different supplies.





CHROMED PARTS

Parts used in abrasive conditions, for ex., cement industry, manufactured from stainless steel (or steel) and chromed to withstand rigid environment. Steel category is chosen according to the client's requirements and working conditions. We offer various valves, cone valves, bearings, bushings, etc. Diameter – up to 1000 mm. Our prices are up to 15% lower than the European average.

RUBBER PARTS

Various rubber parts manufactured from client's examples or drawings. The moldings are manufactured for each client, so the range of parts is vast. Rubber parts for the cement industry can also be manufactured from wear resistant styrene butadiene and other numerous elastomers and rubber compounds. They are highly resistant to abrasive/corrosive slurries, powders and granular substances. Our prices are up to 15% lower than the European average.



RUBBER SLEEVES

The full bore sleeves integrate the valves perfectly to the pipeline, eliminating turbulence and minimizing pressure losses. Technologically advanced sleeves guarantee high wear and corrosion resistance, a trouble free operation and extended lifetime. Materials range from wear resistant styrene butadiene to numerous other elastomers and rubber compounds. They are highly resistant to abrasive/corrosive slurries, powders and other granular substances.

VSC & HSC SPECIAL BEARINGS

HSC and VSC bearings used for dry cement, fly ash, grinded slag, limestone powder and other abrasive materials are designed with easily exchangeable standardized wear linings. The wear linings are manufactured from top quality tungsten carbide. The wear linings can be easily exchanged without removing the shaft, which means that bearing renewal downtime is kept to a minimum.



LUBRICANTS

Various lubricants – oils, grease – by North Sea Lubricants (The Netherlands). No purchase minimum required.

STANDARD FAG, SKF, NSK BEARINGS

Standard bearings from various manufacturers (SKF, FAG, NSK, DSK, Russian types) are supplied for various applications. Prices are about 5-10% lower than the industry average. We can also supply DSK bearings – the price is around 40% less than the European average.



VARIOUS SENSORS

Supply of various sensors: level, temperature, vibration, knocking, proximity, RPM sensors. Various manufacturers, all EU made.

VALVES

Various valves for multiple applications. Manufactured from black metal, bronze, stainless steel.



WEARING BUSHINGS FOR VALVES

Bushings manufactured from various metals and polymers according to the customer's specifications.



FILTERS

Bag and sleeve filters (various imported certified materials, mostly from UK) used in the cement and quarry, metal processing, loose material packing & other industries are manufactured in various measurements, as the filters are sewn according to your specifications. Primary and secondary air filters for cement plant are manufactured from German materials and assembled in Lithuania. Other air filters for the cement industry are available on request.

AIR BLOWERS

Various air blowers for marine application. All requirements of the industry: reliability, low maintenance, long life, corrosion resistance, heavy duty construction, and the flow and pressure capability in a compact package come together in our marine duty fans. Steel, stainless steel and aluminum are used.



OIL & WATER COOLERS

Marine oil coolers are fitted with bronze covers which are highly corrosion resistant and therefore suitable for use with sea water. The range of hydraulic oil and water coolers are suitable for use with deck machinery, bow thrusters, power steering, etc. The coolers can also be mounted as additional cooling systems.

STAINLESS STEEL PIPES / MODULES MANUFACTURING ACCOR...

Stainless steel pipes, elbows and joints are pre-fabricated according to your measurements in our workshop, delivered in sections for easy transportation and installed on-board. Installation teams are available for your convenience.



HYDRAULIC PARTS

Some of the main lines include: cylinders and their parts, hoses – hoses for hydraulic liquids and grease; **valves** – various types; **pumps, actuators; hydraulic connectors** – adaptors, hose fittings, rotary couplings, etc.; **gauges** – manometers, pressure switches.

HIGH PRESSURE HOSES FOR ABRASIVES

Hoses for cement industry are manufactured in China. We supply special hoses for dry cement loading/offloading (abrasive conditions) and standard hoses for the dredging industry.

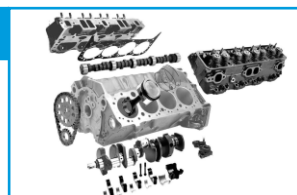


CEMENT SEAT VALVE SETS

The set includes parts manufactured from black metal (galvanized or chromed) or stainless steel and various rubber parts (nylon or polyurethane can also be used). Valves for other applications are also available.

ENGINE PARTS MAN, SCANIA OR ANALOG

Various engine spare parts for MAN, SCANIA engines are supplied. We can also supply analog parts that are manufactured in Europe. We also supply various air and oil filters for MAN and Scania engines at a very competitive price.



IT parts and services

We offer world-leading IP-based communication products such as routers, switches, modems and converters made to endure not only industrial settings, but even the harshest environments.

- Automation Technology products
- HMI operator communication
- Maritime panels
- Data communication products
- Remote I/O systems » Network adapter modules
- Power supply for industrial applications



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Our Certificates

