

Service to steer your ship ahead





Metromac. The wave of the future...

MetroMac, a global enterprise that began its roots in Dubai, UAE in 1985 has grown to become the leading supplier and service partner for integrated solutions catering to the marine, oil and gas, power, hospitality, and energy markets. Our focus to deliver on promises and providing problem-solving solutions for our customers has enabled us to segregate our businesses into four business verticals. The portfolio of businesses covers marine automation, industrial and electrical services, calibration, and product supply.

As an experienced & skilled technical service provider for instrumentation and control systems, we extend dry docking support, electrical & instrumentation inspection, installation, on-site servicing, calibration, retrofits, and repairs for your marine assets. We have been serving the marine industry for over three decades by providing excellent integrated solutions and services in marine automation, electrical & instrumentation, and calibration solutions in the Middle East.

Acting as the preferred marine automation supplier and technical service partner, for major shipping companies our service engineers are available to support at any port of call. Our competent and factory trained marine engineers are specialized in providing electrical and instrumentation control solution effectively round the clock, available to travel to any part of the world at a short notice.

As one of the first companies to be certified with the ISO 9001 in 1998, we have observed high standards in maintaining quality, safety, and environmental duties by accruing accreditations ISO 14001:2015 and ISO 45001:2018.

From having best in class ISO/IEC 17025:2017 accredited calibration lab across Middle East to being an authorized dealer for world-renowned brands in the industry and offering after-sales support, with specialized technicians and engineers for electrical & instrumentation jobs, we are an all-inclusive solutions provider for our customers and clients. We are well connected to every part of the world with offices in Abu Dhabi, Dubai & Fujairah in UAE, Jubail in KSA, and Doha in Qatar, from where our team can address any customer query promptly. Our customers and principals recognize us as a reliable and valued partner providing best-fit solutions and unrelenting service excellence.



- Boiler automation
- Power management systems
- IG systems
- Tank monitoring systems
- Cargo and machinery monitoring systems
- Main engine and atmospheric oil mist detectors
- ODME and oily water separators
- Gas and fire detection system
- Ballast water treatment system
- Generator Set Maintenance

Authorized service center for global brands

Metromac is the authorized service center for many of the renowned products in marine automation field like **Hyundai switch gear, Riken Keiki gas detection system, Mitsubishi (Amco) boiler, Schaller Automation, Hanla tank level and gas detection, DeckmaHmbg oil content detectors, Specs oil mist detectors, MRC PA systems & KSB Seil oil discharge monitors, Corrossion - ICCP & ICAF System, Green instruments IG/O2 Analyzer, Water Monitoring System, Stuke - Digitel protection and control system, Echochlor - BWTS, Kashiwa- fire fighting, Yoowon - Steering gear.**

We hold necessary spares for our agency products in UAE to cater the urgent requirement of the vessels during our service support to keep the vessel sailing at the scheduled departure. Our workshop is equipped with Master Calibrators traceable to national physical laboratories and Precision testing equipment's from well-known manufacturers.

Our service is well known for timely delivery and efficiency under difficult and challenging working environments & we strive for continuous improvement on quality of rendered service in a highly professional and safe manner. We are providing Drydocking support to marine industry in various dockyards around the world like Dubai Drydocks, ASRY Bahrain, NKOM Qatar, Duqm Oman, Portugal, Lisnev, Singapore, Turkey, China, Croatia etc.



» Power generation management & Control system

Metromac is the authorized agent for HYUNDAI switch gear systems having factory trained engineers for supporting our valued customer round the clock. We are equipped with master calibrators for certification of Various protection Relays, HiMAP, High Voltage/Low voltage circuit breakers, Vacuum contactors and circuit breakers. Power generation and distribution.

- › Annual certification of VCB, ACB, HiMAP and protection relays
- › Generator synchronization
- › Load sharing and parallel operation
- › Repair and Service of various make air circuit breakers (Hyundai, Terasaki, Merlin Gerin, ABB and Seimens)
- › Vacuum circuit breakers
- › 6.6KV and 11 KV control panels
- › HiMAP/ SYMAP control systems
- › Reefer panels for container carriers
- › ACB/VCB protection relays



We provide solution for generator engine controls as well as distribution protection and integrated control panels for engine controls.

- › Generator alarms and safety shut down systems
- › Governor speed control systems
- › AVR controls
- › Alternator and control systems

Metromac is the authorized agent for HYUNDAI – ACONIS alarm monitoring and Power management system. We provide integrated panels for alarms and monitoring panel for various parameters.

- › ACONIS system
- › Complete solution for main engine and general alarm monitoring and control system
- › Continues monitoring of each parameter with data storage
- › Repair and retrofit of various types of alarm systems
- › Installation of general alarm monitoring systems
- › Integrated panel with interface compatibility and future expansion

» Engine Monitoring Systems

We offer our clients support for various needs in main engine control and monitoring systems. Our Engineers are trained for repair of pneumatic logic box and control systems. Electronic/pneumatic main engine maneuvering systems.

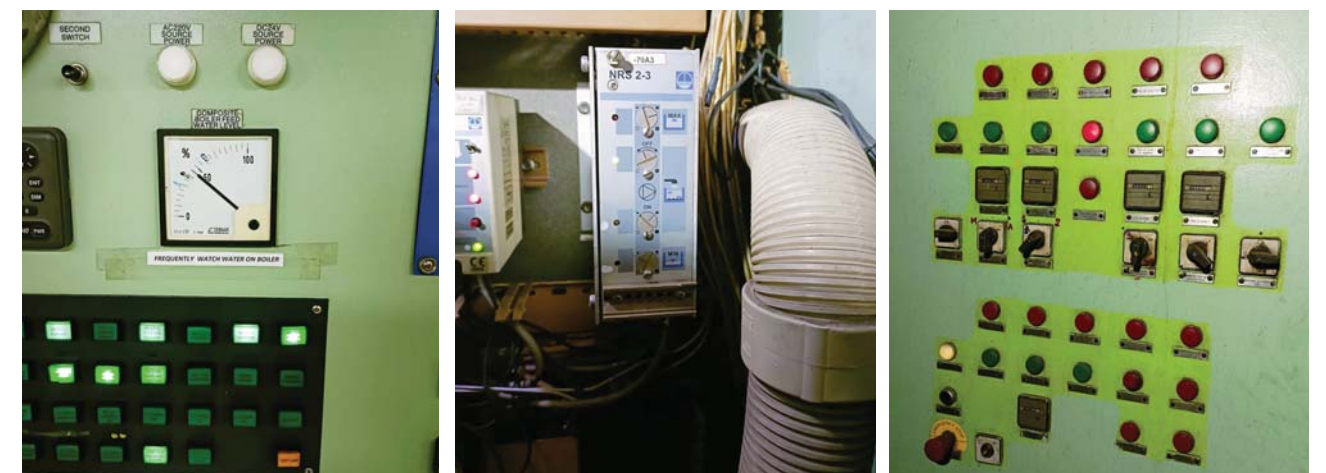
- › Safety trips and alarms systems
- › ACONIS systems
- › Service of main engine logic panel
- › Main engine oil mist detectors (Schaller, Gravinier, Daihatsu)



» Boiler Control Systems

We are associated with MITSUBISHI boiler control systems since decades. Our service team includes factory trained engineers for boiler control systems. Metromac successfully carried out.

- › MGO modification of Auxiliary Boilers on numerous vessels
- › Repair of various boiler control systems (Mitsubishi, Saaki, Aalborg, Sunrod)
- › Burner management system. Combustion control system
- › Three element control. MGO modification
- › Flue gas analyzers. Feed water control system



» VRC Systems

Our Multi skill Service Engineers are prepared always for the unexpected service attendance. As the authorized service station, the customer avails the same quality of work from KSB.

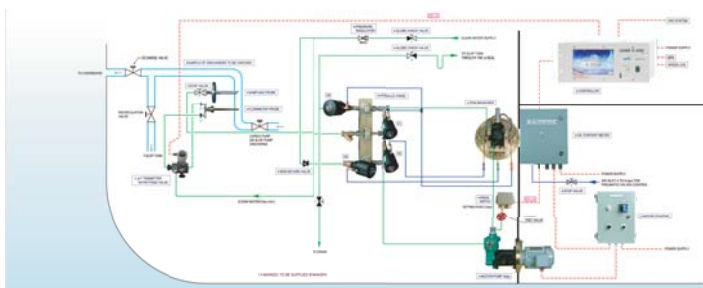
- › System retrofit
- › Repair of actuators
- › Repair/upgrade control loop.
- › Complete health check



» Oil Discharge Monitoring Systems

Metromac is the Authorized Service Partner for KSB Seil Oil Discharge Monitoring system. Our Factory trained Engineers to support clients around the globe. Our stores hold all the spares for KSB SEIL/SEIL SERES/SERES equipment.

- › Service and Calibration
- › New installation and commissioning
- › Repair and Retrofit
- › System Upgradation
- › System Software configuration
- › Makers Test Bench facility for Calibration and sensitivity adjustment.



» Fixed and Portable Gas Detection

Metromac is the exclusive Service Center for RIKEN KEIKI Japan and RKI USA gas detection systems. Our engineers are trained from maker to provide most economical and efficient service support.

- › Pump room gas detection systems
- › Ballast tank and void space gas detection systems
- › Sampling type and diffusion type gas detection systems
- › Service and calibration
- › PCB level repair of the systems.
- › Checking and repair of interlocks and external devices



**Our Engineers are familier to carryout Service and calibration of other makers system
Komyo, Crowcon, Concilium, Tokaseiki, TQ Environmental**

»» Auto Telephone and PA Systems

Metromac is authorized Service Center for MRC, Korea

- › PCB level repair of the system.
- › Renewal of intermediate units and modification of the system for future expansion
- › Repair of various type of Installation
- › Installation/Retrofit system



»» Oil Mist Detectors

Metromac is the authorized Service center for SCHALLER Automation, Germany for Engine Crank case oil mist detector, SPECS, Korea and Green Instruments, Denmark atmospheric oil mist detector.

- › Service and calibration
- › Makers standard test facility for calibration and sensitivity test
- › Repair and retrofit of the system
- › Routine/ annual Certification



»» Oil Content Detectors - 15PPM Monitors

Metromac is the authorized Service Center for DECKMA GmbH Oil content detectors

- › Installation and retrofit of panels
- › Calibration of OCD with maker's standard calibration solution
- › 5 years factory calibration with maker's standard test bench

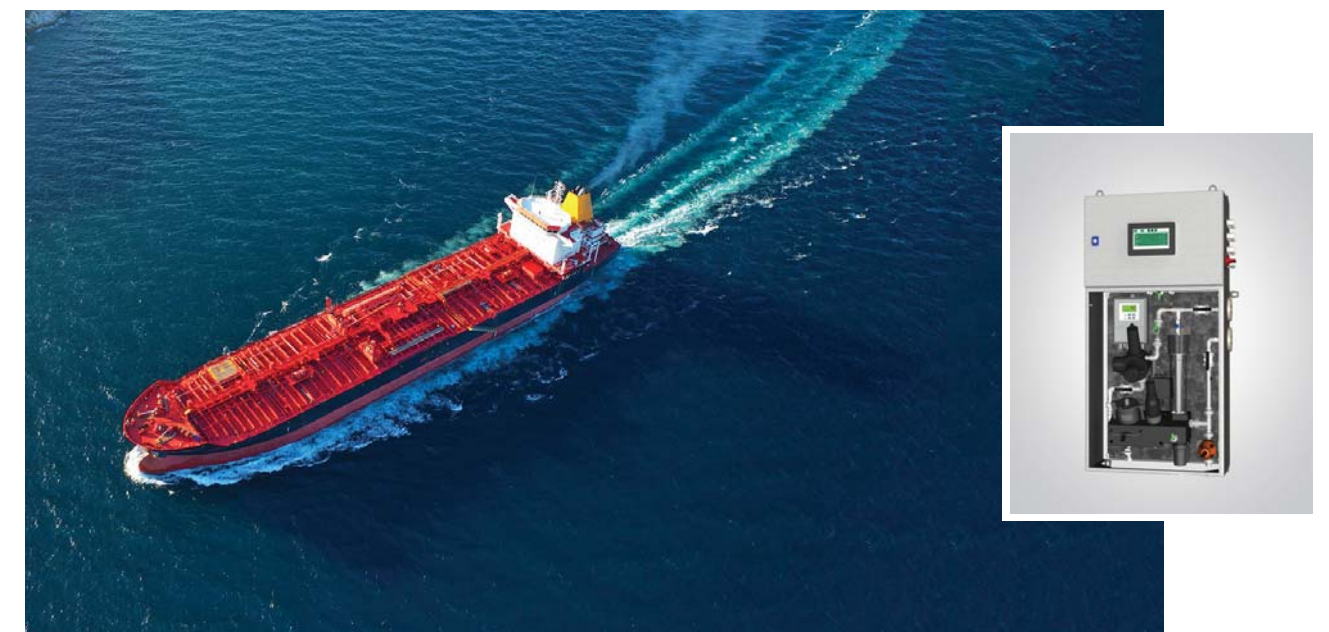


»» Water Monitoring System

The G6200 Water Monitoring System is a modular system that continuously monitors scrubber water and it is fully compliant with MEPC. 259(68) and MEPC. 340(77). Metromac is the authorized service center for M/s Green Instruments.

MetroMac service engineers can provide full-service support and take care of Complete range of Green instruments products. Nox Emission system, Ambient Oil Mist Detection system, Oxygen Analyzers etc.

- › Trouble Shooting
- › Installation Supervision
- › Commissioning
- › Calibration
- › Preventive Maintenance
- › Retrofit



» BWTS (Ballast water Treatment system)

Ecochlor's treatment system is unique. It uses chlorine dioxide (ClO₂), generated by a simple process on board the vessel to treat the ballast during a single pass at uptake.

Metromac is the exclusive service center for M/s Ecochlor in the Middle east region. Our trained Engineers are available for:

- › Installation supervision
- › Commissioning
- › Testing attendance
- › Retrofit System



» Oxygen Analyzer

Green Instruments provides full operational testing of every system and component. After installation, we assure that every individual piece of equipment operates as an integrated system. This includes tests and functionality check.

We ensure system redundancy, eliminating potential malfunctions. Our factory trained Team managing and executing effective and safe products that meet the customer's expectations.

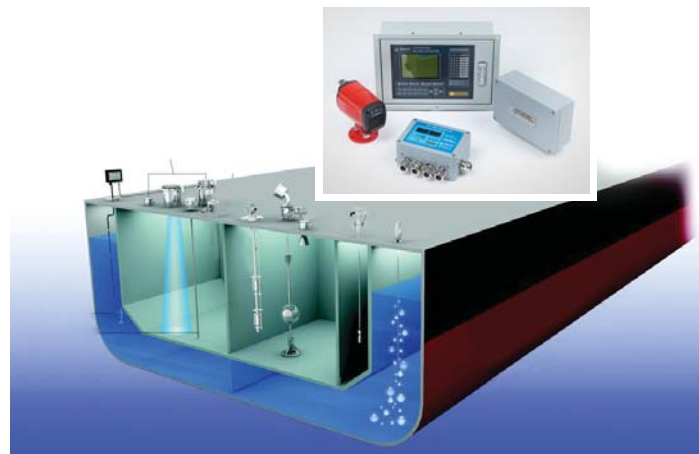
- › System Installation
- › Commissioning
- › Retrofit
- › Calibration



» Miscellaneous Systems

Our Service engineers are experts on following system

- › Marine clock
- › Anemometer
- › Viscotherm
- › Crane controls
- › Bilge level alarms
- › Incinerator control systems
- › Entime room controllers.



» ICCP/ICAF/UVC Cooler

CORROSION offers a wide range of anti-fouling and CORROSION solutions to ensure that vessels and equipment stay protected while at sea. Metromac is the authorized sales and service center for M/s Corrossion Netherlands. Our expert team, made up of technical service engineers and specially trained from factory is contactable 24/7

- › Installation support
- › System Commissioning
- › Configuration
- › Trouble shooting
- › Data analyzing



» Hydraulic Systems

Valve Remote Control System

Inspection, repair and troubleshooting of solenoid valves, actuators, Power pack systems, position indicators and electrical trouble shooting.

Deck Machinery Equipment

Trouble shooting of all type of winches in main deck, Hydraulic break operating systems, winch hydraulic motors, power packs, Shaft and Bearing Inspections, alignment of drive shafts with coupling, and winch control valve overhauling.

Hose Handling and Provision Crane

Trouble shooting, repairing and overhauling of crane operating systems, hydraulic rams, winch gear boxes, hydraulic motors, an power packs.

Hydraulic Systems

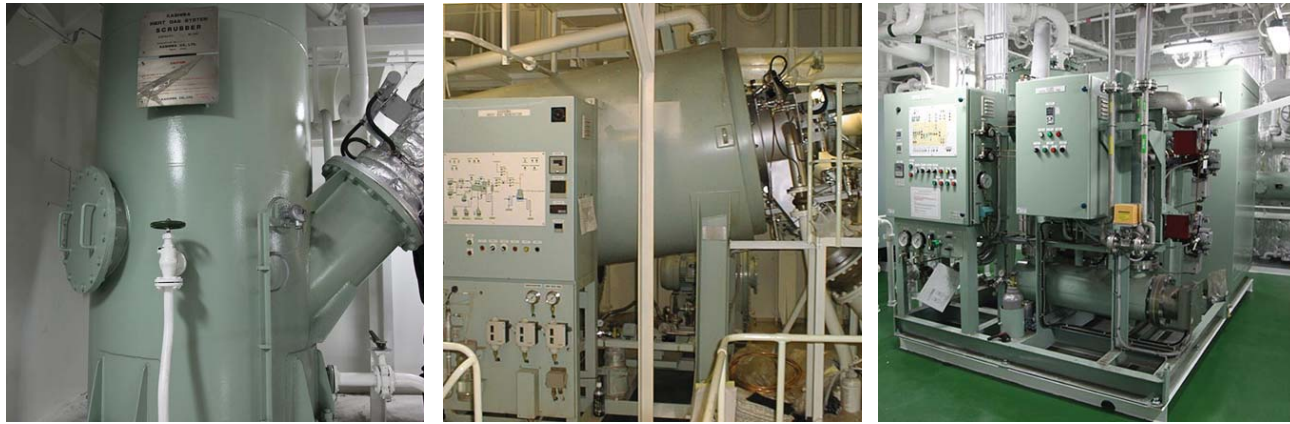
- › Steering Gear System
- › CPP-Controlled Propelled Pitch
- › Inspections System



» Inert Gas System

Metromac is the authorized agent for KASHIWA IG systems and our service engineers are factory trained and follow manufacturer instructions in carrying out regular maintenance, repair, and installations. We have expertise with IG system brands like PERMIA, MOSS, KANGRIM and AIR products.

- Specialized in inert gas systems, inert gas generator and N2 generator. (Membrane Type, PSA Type)
- Complete Health Checkup
- Combustion Control
- Field Side Instruments
- Interlocks Checking & Repair
- Control valve loop



» Fire Fighting System

Metromac is the authorized agent for KASHIWA Firefighting system. Our Factory trained engineers

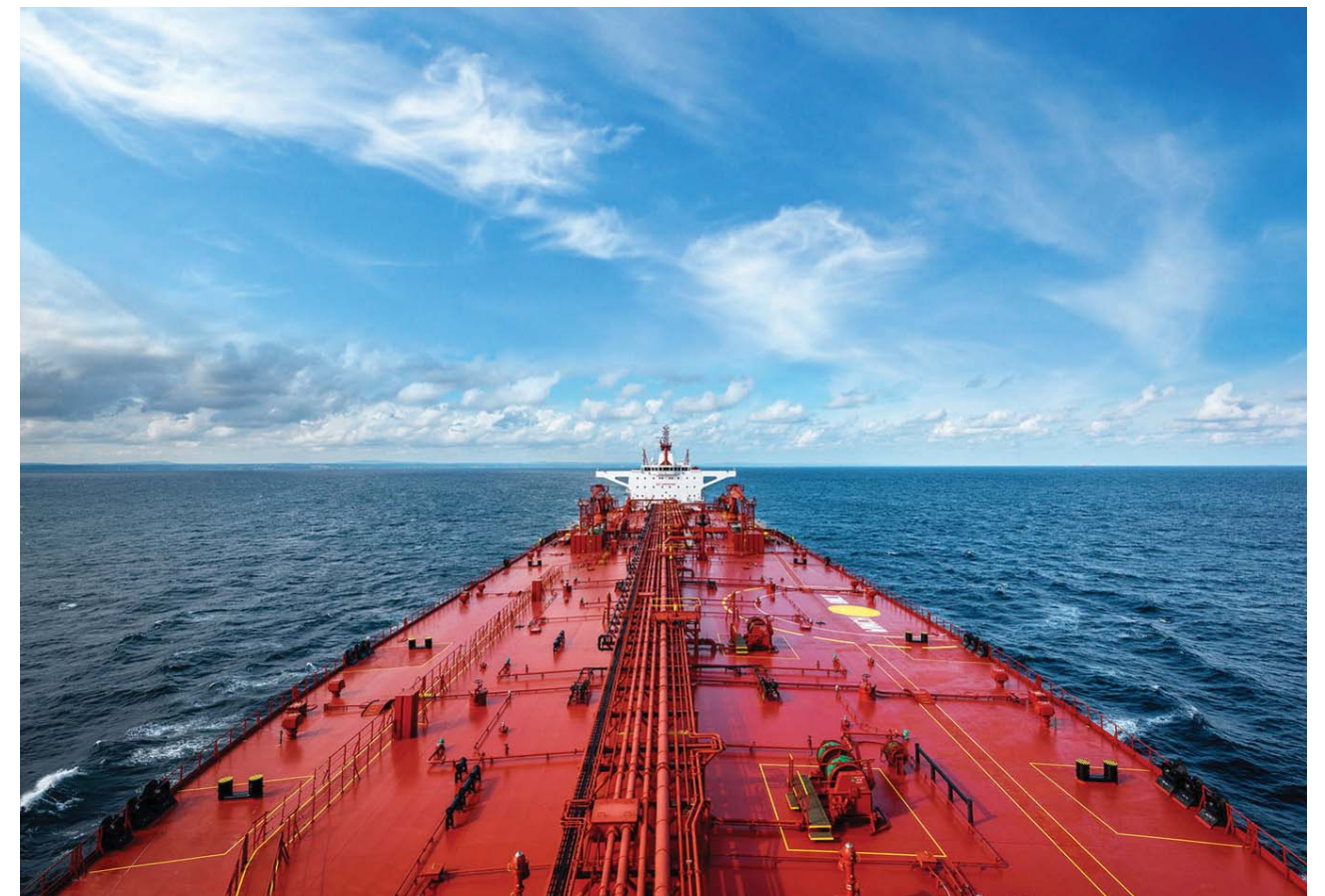
- High Expansion Foam Fire Extinguishing System
- Low Expansion Foam Fire Extinguishing System
- Hyper Mist Fire Fighting System
- Health check
- Interlocks Checking & Repair
- Simulation Test
- Operation Test for Mixing System
- Operation test for main control Panel
- Certification



» Fire Detection System

Metromac is the authorized sales and service center for BSKY (Wuxi Brightsky Electronic Co., Ltd)

- Firefighting system
- Fire Detection System
- Automatic marine fire alarm & Water-based cabin fire extinguishing control system
- Installation / Retrofit system
- Inter connection with firefighting systems
- Repair and Testing
- Certification





Agency products and services

Metromac has been the preferred partner for many of the World renowned product and system manufacturer for Middle East. With over thirty years of hands-on experience and comprehensive sector expertise, we are a competent partner for our customer’s specific needs.

A highly motivated Technical sales team always assisting customer for the product selection and provide solutions. Our commitment to provide solution is our core strategy. Our Engineering expertise is a deciding factor for our businesses growth along with our strategic manufactures Exclusive Sales and Service representation in the Middle East. Blending the unique skills and reliability of a diverse workforce from us delivers the right products and solution to meet our customer’s requirement with the competitive market.

At Metromac, we care each customer with the prime importance to meet their requirement. A team of factory trained technicians and Engineers encompass our After Sales team. Ample stocks of products, necessary spares are maintained to provide timely supply of Equipment’s, spares and systems.

As part of our continued effort to provide customer satisfaction, we have added sales and after sales service center at Dubai, Fujairah, Abu Dhabi, Qatar and Kingdom of Saudi Arabia.

AGENCIES

Riken Keiki, Japan
Fixed and Portable
Gas Detectors & Systems.



RKI, USA
Gas Monitors and Calibration gases
Joint Venture of M/s Riken Keiki, Japan.



Intoximeters, USA
Breath Alcohol
Testing Instruments.



Hyundai Electric, Korea
Electrical and
Automation System.



Schaller Germany
Engine Crank Case Oil Mist
Detectors and Systems.



MMC, UK, Japan
UTI, Portable Tank Gauging Units.



KSB, Korea
ODME, VRC System, Actuators.



Thermoprobe Inc - USA
Petrochemical Temperature
Gauging devices.



KSB SupremeServ

Deckma, Germany
15PPM Oil-in water monitors
and systems.



Specs, Korea
Atmospheric
Oil Mist Detection system.



Green Instruments, Denmark
Analyzer for Inert Gas Oxygen,
Stack Gas Oxygen, SOx and NOx.



Corrosion Maritime, Netherlands
Impressed Current Cathodic
Protection system.ICCP, Antifouling
system (ICAF), Dosing system.



Sika, Germany
Measuring Instruments and
Calibration equipments.



Marine Radio Co, Ltd Korea
Telephone exchange, P.A Systems,
Marine CCTV.



Kashiwa, Japan
Fire Fighting Systems,
IG/N2 Generators.



Tesa, Switzerland
Precision Measuring
instruments and systems.



**Wuxi Brightsky
Electronic Co., Ltd.**
Fire Alarm System.



Yoowon Industries Ltd.
Steering Gear.



**Zhejiang Tormin
Electrical Co., Ltd, ROC**
LED lighting solutions and
products for all types of
industrial and hazardous use.



KPS, Spain
Engineering solutions in Energy saving,
Measuring instruments, Installation
materials, LV protection components,
enclosures and Signaling.





AUTOMATION | CALIBRATION | PROJECTS | TRADING

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