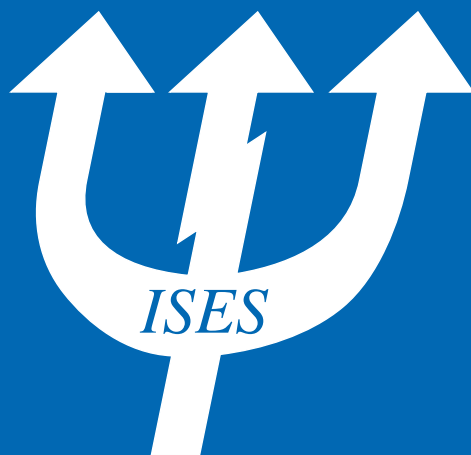


ISES ASSOCIATION

www.isesassociation.com

MARINE SERVICE GUIDE



2011/12 EDITION

**INTERNATIONAL SHIP ELECTRICAL AND ENGINEERING
SERVICE ASSOCIATION (I.S.E.S.) LTD**

20, Coppice Road,
Kingsclere,
Berkshire RG20 5RS

Telephone: +44-1635-298050
Fax: +44-1635-298050
E-mail: secretariat@isesassociation.com
Mobile: +44-7802 793483
Skype: I.S.E.S. Limited

Secretary General: Jonathan Smith

**For the latest information on members details,
please consult our website:**

www.isesassociation.com

Please note:

The following information has been included in this issue:

Electrical Formulae	Page 26
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The Vision of the ISES Association is to provide Ship Owners, Operators and Managers with quality service throughout the world in the Marine Electrical, Electronic and Engineering sectors.

This objective is achieved by members co-operating with each other to ensure the continuity of services both between ports and from one member to another, according to customer's requirements.

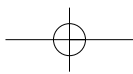
Please refer to each individual company's entry for full details of the services they provide and where they can provide them.

To arrange service, please contact the I.S.E.S. member direct using the communication numbers listed in this Guide. You may also contact the I.S.E.S. Secretariat who will assist you to arrange service with an I.S.E.S. member. There is no charge for this service.

The Association also has Affiliate members who are certified suppliers of equipment or material in the electrical, mechanical, electronic and specialised marine related fields. These companies are listed starting on page 21.

Shipowners and managers can obtain free extra copies of this Guide upon request.

The index for the service directory is on pages ii/iii.



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TURBOGEN
Lugones 1851/1855
1430 Buenos Aires
Argentina

ISES contacts: Mr Pascual Mario Ruffa (Director)
Mr Néstor Llomovatte (Manager)
Mr Matias Nicolas Ruffa (Manager)

TURBOCHARGERS: Service and maintenance of all makes and sizes of turbochargers ● Service on board ● Repair of turbine blades, nozzle rings, impellers, compressor wheels, gas housings ● Service of oil pumps ● Service of bearings ● Stock spare parts ● Dynamic balancing

DIESEL ENGINES: General attention of MAN-B & W engines.

METALOCK REPAIRS: Special repairs by METALOCK System

SEPARATORS: Service and Repair of all manufacturers of Separators.

TURBINES: General attention of gas and steam turbines

QUALITY ACCREDITATION: ISO 9001

PORTS SERVICED: All the following ports in Argentina: BUENOS AIRES, LA PLATA, DOCK SUD, SAN NICOLAS, ROSARIO, SANTA FE, NECOCHEA, BAHIA BLANCA, PUERTO MADRYN, COMODORO RIVADAVIA, SAN ANTONIO OESTE, CAMPANA, RIO GALLEGOS, USHUAIA.

All other SOUTH AMERICAN ports on request.

Service/Sales Representations:

MAN-Diesel & Turbo ● PBS Turbo SRO ● KBB Bannewitz ● MAN Nutzfahrzeuge ● (MET) Mitsubishi Heavy Industries ● Soteco International ● Comtech ● MIA (Metalock International Association) ● ADS (Association Diesel Specialist) Member ● Hyundai ● Schaller.

TURBOGEN

Tel:	+54-11-4521 5667
Fax:	+54-11-4521 8283
Telex:	27508TGN AR
After hours:	+54-11-4522 5632
Mobile:	+54-11-4440 7867
E-mail:	turbogenruffa@arnetbiz.com.ar
Internet:	www.turbogen.com

AMI SALES
Head Office
107, Forsyth Street,
O'Connor,
Western Australia 6163



AMI SALES

Tel:	+61-8-9331 0000
Fax:	+61-8-9314 2929
E-mail:	wa@amisales.co.au
Internet:	www.amisales.com.au

ISES contacts :

	Tel	E-mail
Western Australia	+61-8-9331 0000	garyb@amisales.com.au
Queensland	+61-7-5540 6800	allenb@amisales.com.au
New South Wales	+61-2-9816 7100	allenb@amisales.com.au
South Australia	+61-8-8341 2055	allenb@amisales.com.au
Singapore	+65-6775 0081	eddies@amisales.com.au
Vietnam	+84-64-351 3345	samuelh@amisales.au

AMI is a specialist supplier of many internationally renowned brands and companies. The company's service includes obligation-free quotations and professional advice for all classes and types of vessels, and the highly demanding offshore industry. One of the specialities offered is "turnkey" integrated packages. From leisure craft, right through to complex GMDSS and IBS installations AMI can handle it.

All AMI technical and sales staff, without exception, are carefully selected and factory trained, and are well informed of the very latest regulations and significant developments constantly evolving throughout the marine and offshore industries.

PORTS SERVICED : All Australian Ports, Offices in Singapore & Vietnam.

Service/Sales Representations: Servowatch ● Sanshin ● Colourlight ● TSS ● Kelvin Hughes ● Thrane & Thrane ● Sea Recovery ● KNS ● Seatel ● Simrad ● Lilley & Gillie ● Skipper ● Gitiessie ● McMurdo ● JMC ● ICOM ● Current Corp ● Saab ● GMDSS Radio Surveys (DNV, AMSA, GL)



READ'S ELECTRIC CO. PTY. LTD
25 Strang Street,
P.O. Box 55,
South Fremantle,
Western Australia 6162

READ'S ELECTRIC

Tel:	+61-8-9335 9344
Fax:	+61-8-9335 9465
After hours:	+61-8-9335 4447
Tony Harrison	(Mobile): +61-417-921 665
E-mail:	info@readselectric.com
Internet:	www.readselectric.com

AUSTRALIA

ISES contacts: Mr Tony Harrison (Manager)

REWINDS:

Rewind and repair of all types of rotating and static electrical equipment to 25 tonne ● HV coil manufacture ● Transformer o/haul and manufacture ● All insulation classes.

SPECIALISING:

Full load testing ● Ayrodev Insulation Rejuvenation System ● General Mechanical repairs ● Metal spray and Micro flow ● Dynamic balancing ● Bearing testing and vibration analysis ● 200 tonne horizontal pressing ● Abrasive cleaning.

SITE SERVICES:

Installation, modification, voyage repairs and fault finding on all types of static and rotating equipment ● Thermographic survey ● In situ Dynamic balance ● Primary injection to 2000 amp.

FACILITIES :

VPI ● Dip and trickle impregnation ● Large dip varnishing ● Cleaning and drying capabilities.

QUALITY ACCREDITATION : AS/NZS ISO 9001 AS/NZS 3800 Electrical Equipment for Explosive Atmospheres – O/haul & Repair

PORTS SERVICED: FREMANTLE, KWINANA, ESPERANCE, ALBANY, BUNBURY, GERALDTON, CARNARVON, DAMPIER, PORT WALCOT, PORT HEDLAND, BROOME, DARWIN

Services/Sales Representations:

Baldor ● AEG ● Ayrodev International ● TECO.

ASTRON N.V./S.A. (member S.&S.S. group)
Bredastraat 136-138
B-2060 Antwerp-6
Belgium



Branch Offices: Antwerp – Zeebrugge – Vlissingen (NL)

ASTRON NV

Tel:	+32 3 227 74 02
Fax:	+32 3 227 74 03
E-mail:	astron@astron.be servicing@astron.be
Internet:	www.astron.be

BELGIUM

ISES contacts:

Joris Praet (Sales Manager)

Tel: +32 50 55 15 50

Mobile: +32 50 55 15 50

Fax: +32 50 551650

E-mail: sales@astron.be

Patrick Van den Bussche (ICT/TC Manager S.&S.S. group).

Tel: +32 3 2067357

Mobile: +32 475 462195

Fax: +32 3 2067367.

E-mail: p.van.denbussche@astron.be

The company was incorporated in 1994 in Belgium and specializes in telecommunications including all embarked and shorebased IT applications, navigation, sea survey and observations. The company was taken over by the S.&S.S. group in 2007.

They have established themselves as a totally reliable service centre for their own official requirements and are also called upon regularly when official service is not available for other equipment. They are also Consultants, install equipment, rent equipment and airtime services.

Astron obtained from the Belgian Institute of Post and Telecommunications and the ITU in Geneva an Accounting Authority License. They are an official INMARSAT – Iridium – Thuraya Service and VSAT provider.

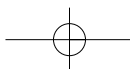
Shore based maintenance contracts to major shipping companies for their GMDSS equipment maintenance is offered.

Technicians are available 24 hours per day, 365 days per year.

PORTS SERVICED: ANTWERP – ZEEBRUGGE – GHENT – OSTEND – BRUSSELS – VLISSINGEN – TERNEUZEN and HAMBURG – Le Havre range

Service/Sales Representations:

JRC ● Mc Murdo ● Inmarsat (Accounting authority BE01 & BE09 – PSA – ISP) ● Iridium ● Thuraya ● Vizada ● Stratos ● Kannad ● Navitron ● KME ● Marimatech ● MARIS ● Samsung ● MaxSea ● Motorola ● Standard Horizon ● Transas ● MAIL65 ● Skyfile ● Nauticast ● Intellian ● KNS ● Seatel ● Satlink ● Comnav ● Entel ● Lloyd's register approved for radio and VDR survey – Class NK approved for radio and VDR survey – Magnetic compass calibration



BELGIUM

MAINTENANCE PARTNERS NV

Vitshoekstraat 6,
2070-Zwijndrecht,
Belgium



a group company of
MITSUBISHI
MOTOR CORPORATION

MAINTENANCE PARTNERS NV

Tel (24 hours)	+32-3-544 32 35
Fax:	+32-3-542 30 35
E-mail:	marineservice@maintenancepartners.com
Internet:	www.maintenancepartners.com

ISES contacts :

Erik De Bock (Marine-Manager)

Thomas Waterkeyn (Commercial Representative)

Bart Longueville (Project Manager Marine)

Mobile

+32-494 56 64 69

+32-496 57 21 05

+32-491-15 29 52

E-mail

erik.debock@maintenancepartners.com

thomas.waterkeyn@maintenancepartners.com

bart.longueville@maintenancepartners.com

ELECTRICAL SERVICES :

Repair, overhaul & rewinding of all electrical motors & generators (LV + HV), switchgear & transformers ● facilities for motor components engineering + manufacturing (coil & commutators) ● VPI technology (vacuum pressure impregnation) ● Load testing ● All diagnostic measurements & diagnostics ● Lifting capacity 100T ● Supply of spare parts & motors

QUALITY ACCREDITATION : ISO 9001

ATEX certified : for explosion proof machines Eexd ● Eexe ● Eexde ● Hi voltage Safety : VCA cert.

MECHANICAL SERVICES :

Repair & overhaul of all Turbochargers, pumps, compressors, gearboxes, turbines (gas & steam), fans and all other rotating parts ● Special hard wearing coating applications ● Manufacturing & repair of sealing bushes ● Own mechanical seal lapping technology and facility ● Welding & machining of all ferrous & non ferrous materials ● Metal spraying techniques (warm, cold & babbitt) ● White metal spraying ● Dynamic balancing (10 tons) ● Laser alignment

DIAGNOSTIC MAINTENANCE :

Ship s vibration & acoustic measurements (structural & machinery) ● Thermographic analysis ● Motor condition analysis ● Laser alignment ● Diagnostic surveys + reporting independent

PROJECT MANAGEMENT :

Reconditioning projects ● Retrofit & upgrade projects ● Major overhauls ● Installation services

PORTS SERVICED : ANTWERP, ZEEBRUGGE, GHENT, ROTTERDAM, AMSTERDAM, TERNEUZEN, FLUSHING & DUNKIRK

BRAZIL

METALOCK BRASIL

Rua Visconde do Rio Branco 20/26

11013-030 Santos, SP.

Brazil



ISES contact:

Marine & Offshore Mr Jim Marshall Mobile +55 13 7804-4981

Electronics Mr Silvio Alves Mobile: +55 13 7804-4976

Branch Depots:

Rio de Janeiro

Contact: Mr Pete Challis – Mobile +55 21 7840-8835. Tel: +55 21 2516-5561 Fax: +55 21 2516-5562

E-mail: rio@metalock.com.br

QUALITY ACCREDITATION: ISO 9001:2000

PORTS SERVICED: SANTOS, RIO DE JANEIRO AND PARANAGUA AND ATTEND AT ALL BRAZILIAN PORTS.

SERVICES

Electrical: Rewinds of all low and medium voltage AC & DC rotating equipment (load testing to 500hp), transformers, switchboards, control & automation systems, circuit breakers, deck machinery.

Electronic: Navigational aids – accredited with all Classification Societies. Control & automation systems.

Mechanical: Diesel engines, component reconditioning, fuel injection equipment, metal spraying, reabbtting bearings, Authorised Simplex Seals Service, Authorised MacGREGOR Service.

Machine Shop: 25 ton overhead crane, lathes, borers, milling, welding, heat treatment, dynamic balancing.

In-situ Machining: Crankshaft rectification, line boring, cylinder cover/liner/engine block landing faces.

Life Saving Appliances: Qualified and certified for annual and five year inspections, tests and certifications of Lifeboats,

Davits, Launching Appliances and On-Load Release Gear under SOLAS Regulations (IMO Circular MSC.1/Circ.1206). Official representatives for Hatecke, Fassmer, Davit International, Global Davit, Norsafe, IHI, Tsuji, Tsuneishi, Shigi, Hoei Senpaku, Jiangyin Xinjiang, Miura Machine.

Pneumatic & Hydraulic Controls – Refrigeration – Welding (6G Classified Welders), platerwork & pipework – Metalock repairs – All voyage repairs.

Services/Sales Representations:

Mechanical: Kobe Diesel ● Mitsubishi Diesel UEC & MRT ● Yanmar Diesel ● Simplex Seals ● Turbulo Separators ● Hatlapa ● Reintjes ● Epocast ● Woodward ● Iljin ● Intelligent Engineering (SPS) ● Vibracon

Electronics: JRCS ● Tae Chang ● BEMAC Uzushio ● Graviner ● SAM Electronics ● ICS Electronics ● Yokogawa ● Selex Communications ● Jotron ● Kannad ● Samsung Digital ● Transas ● Rutter ● I-Know ● SAAB Transpondertech ● Kelvin Hughes ● Taiyo Electric ● Saiernico ● L3 Communications ● Consilium ● Interschalt (AVECS)



CMC ELECTRONICS,
an ESTERLINE COMPANY
7, Mellor Avenue,
Unit 16,
Dartmouth NS,
Canada, B3B 0E8



CMC ELECTRONICS

Tel: +1-902 468 8480
Fax: +1-902 468 8484
E-mail:
Anthony.Johnstone@cmcelectronics.ca
Internet: www.cmcelectronics.ca

CANADA

I.S.E.S. contacts: Mr Anthony (Tony) Johnstone, Director of High Seas
Commercial Sales, Government Projects and National Service Manager

Sales and Service of Marine Electronic, Navigation and Communication Equipment, such as Radars, Satcom, Sounders, HF/MF, VHF and GMDSS Equipment. 24 Hour Emergency Service available.

Branch Offices and Depots:

Location	Phone	Fax
St John s, Newfoundland	+1-709-726 2422	+1-709-726 2428
Halifax, Nova Scotia	+1-902-468 8480	+1-902-468 8484
Yarmouth, Nova Scotia	+1-902-742 3423	+1-902-742 5593
Saint John, New Brunswick	+1-902-468 8480	+1-902-468 8484
Matane, Quebec	+1-418-562 6637	+1-418-562 5335
Montreal, Quebec	+1-418-562 6637	+1-418-562 5335
Toronto, Ontario	+1-905-607 4262	+1-905-607-1576
Vancouver, British Columbia	+1-604-435 1455	+1-604-435 2231
Victoria, British Columbia	+1-604-435-1455	+1-604-435 2231

Note: Requests for service should be addressed directly to the nearest CMC office

CMC provides 24 hour a day service via a network of company owned and operated service facilities, using technicians experienced in a wide variety of communications and navigation equipment. Equipment serviced includes radar systems; communications equipment including HF and VHF radios, telex, satellite communication terminals, DSC, GMDSS; Internal Communications equipment including talk-back systems, batteryless telephones, public address systems; Navigational and Safety Equipment - VDR AIS, GPS, direction finders, ECDIS, plotters EPIRB s, SART s, lifeboat radios, gyrocompasses, autopilots, rudder angle indicators, weather facsimile equipment; Instrumentation - draught monitors and power/torsion meters. CMC also provides radio inspection services for classification societies.

Sales and Service Representations:

Raytheon Anschutz ● Simrad ● Skipper ● Suzuki ● Japan Radio Company (JRC) ● Icom ● Kelvin Hughes ● Newmar ● Naval ● Shakespeare ● Comrod ● Jotron ● SEA ● Thrane ● Walker ● C-Map ● Navionics ● Xantrex ● Zenitel ● At Sea ● Seimac ● Scandinavian Micro Systems ● DNH ● Morad ● Mathers ● Olex ● Raymarine ● KVH ● Taiyo ● NVTI ● Kannad ● Koden ● Jose-McCann ● Phontech ● FLIR ● Seatel ● Lilley and Gillie

METALOCK DENMARK A/S
A Company of the MAN Diesel Group
Industrivangen 16
DK-2635, Ishøj
Copenhagen, Denmark

METALOCK DENMARK A/S

ISES Contacts: Frank Hansen
Company's Services:
24 Hour service world wide of "On-Site Machining"
to Offshore – Industry – Marine

Tel No: +45 4373 6620
Fax No: +45 4373 6625
Email: info@metalock.dk
24-7 Service Call +45 40 170 970
Internet: www.metalock.dk

DENMARK

Range of Services:

- In-Situ Machining of Crankpin Journals. Ø125-1200mm
- In-Situ Machining of Main Journals
- In-Situ Machining of Propeller Shafts. Ø125-1200mm
- In-Situ Line Boring for Fitted Bolt. Ø55-200mm
- In-Situ Line Boring of Bedplate
- In-Situ Flange Facing up to Ø4000mm
- In-Situ Milling of Foundations
- In-Situ Milling of Key Way
- In-Situ Magnaflux Crack-test
- In-Situ Hardness Test

"On-Site Machining" of crankpins range Ø125-1200mm
Re-machining of fillets/radius, on two & four-stroke engine
Controlled by Electronic Level-meter
A Company of Man-Diesel Group
"In-Situ Machining" carries out according to Makers recommendation and tolerance
Engineering Workshop – White metal bearing, recondition or new – Thermal metal spraying
Metallock Repair of cracks in Cast Iron

PORTS SERVICED: World Wide by MAN Diesel, PrimeServ as Agent
Service/Sales Representations: Denmark - Ishøj
Service Representations: Denmark - Ishøj



FRANCE

WARTSILA FRANCE

54 Rue Demidoff
76600 Le Havre
France

Tel:	+33 (0)2 35 24 09 05
Fax:	+33 (0)2 35 25 35 59
E-mail:	services.wasfr@wartsila.com
Internet:	www.wartsila.fr

ISES Contacts: Vincent Pinto (General Manager, Sales)
Richard Adouard (Field Service Coordinator)

SERVICES:

- Navigation ● Electronic Repairs ● Electricity Repairs ● Motor Rewinding Workshop up to 16 tons
- Installation VDR and AIS ● CCTV and Public Address Systems

Quality Accreditation: NF EN ISO 9001 : 2000 DNV

Reparatex: QRM / 2000 / 01

PORTS SERVICED: LE HAVRE, ROUEN, ST NAZAIRE, BREST, CHERBOURG, DUNKERQUE, MARSEILLE, BORDEAUX, DONGES

Representations and Service:

- RAYTHEON: Navigation, radar, gyrocompass, autopilots, GMDSS
- SAGEM: Logs
- THORN: Fire detection
- BOSCH/PHILIPS: Public address/video CCTV systems
- ABB: Electric Motors
- RUTTER: Voyage Data recorder
- WÄRTSILA: Engine/propulsion/electrical & automation
- GRAVINER/SCHALLER: Oil mist detectors
- CMR: Engine control and automation
- JRCS: Automation
- L3 COMMUNICATIONS
- SAMSUNG: VDR and Automation

GERMANY

KARLE & FUHRMANN

Marine Industrie Reparatur GmbH
Westkai 40-44
P.O. Box 100506
27572 Bremerhaven
Germany

ISES contacts:

Mr Günter Fuhrmann (CEO)
Mr Holger Kiehl (CEO)
Mr Marc Fuhrmann (CEO, Automation)
Mr Siegfried Dröge (Service Manager Electrical Dept.)
Mr Gerd Müller (Service Manager Technical Dept.)
Mr Uwe. Junge (Steelwork)

SERVICES:

- **Generators and motors:** rewinding according to AYRODEV Process.
- **Automation:** alarm and safety systems, fire alarm systems, remote controls, control systems etc.
- **Engine repairs:** main and auxy diesel engines and turbo chargers
- **Hydraulic repairs**
- **Satellite communications, computer systems, computer networking, computerised systems**
- **Refrigeration, air condition systems**
- **Steelwork:** repairs and construction
- **Pipe work:** repairs of valves, pipes and pumps
- **Boiler repairs**
- **Supply:** spares, motors, generators of all brands
- **Voyage repairs**
- **Drydocking facilities, jetty in front of our workshops and offices**

PORTS SERVICED: 24-hours, world-wide

HAMBURG, BREMERHAVEN, BREMEN, EMDEN, WILHELMSHAVEN AND OTHER GERMAN PORTS ON REQUEST

KARLE & FUHRMANN

Tel: (Day & Night)	+49-471-979190
Fax:	+49-471-76040
	+49-471-9791950

After hours:

G. Fuhrmann	+49-171-5441497
H. Kiehl	+49-171-6213514
M. Fuhrmann	+49-171-2022077
S. Dröge	+49-171-5305399
U. Junge	+49-171-6412699
G. Müller	+49-171-4902800

E-mail:	mfuhrmann@karle-fuhrmann.de
	gfuhrmann@karle-fuhrmann.de
Internet:	www.karle-fuhrmann.de

NOVA ELECTRONICS

NOVA ELECTRONICS SA

9, II Merarchias Str.
185 35 Piraeus
Greece

Tel:	+30 210 412 1578
Fax:	+30 210 413 6667
E-mail:	novasa@otenet.gr
Web:	www.novaelectronics.gr

GREECE

ISES contacts: Mr George Andriotis (Managing Director)
Mr Emmanuil Foukalas (Technical Manager)
Tel: 00 30 6944 255457 (24 hour contact)

The company was founded in 1987 and has **ISO 9001: 2008** approval by LRQA applicable to sales, installation, servicing of marine communication and navigation equipment. Performance of inspections of marine communication, navigation and VDR equipment.

They have established themselves as a totally reliable service centre for their own official requirements and are also called upon regularly when official service is not available for other equipment.

Nova Electronics S.A. is recognised to carry out GMDSS Radio Station and VDR / S-VDR surveys and EPIRB tests for the following classifications: Det Norske Veritas ● American Bureau of Shipping ● Bureau Veritas ● Nippon Kaiji Kyokai ● Lloyd's Register of Shipping ● Germanischer Lloyd ● Hellenic Register ● Korean Register ● RINA ● Russian Register.

Technicians are available 24 hours per day, 365 days per year.

PORTS SERVICED: PIRAEUS AND ALL OTHER GREEK PORTS UPON REQUEST

Service/Sales Representations:

JRC, Japan ● Selex Communications / Broadgate ● JRCs Corporation, Japan ● Lillie & Gillie ● Jotron ● Chartco ● AMI Marine

FAVOURITE MARINE SERVICES

FAVOURITE MARINE SERVICES

129 Old Anjirwadi
Mazgaon
Mumbai 400 010
India

ISES contacts: Mr Riyaz Ali

Tel:	+91-22-2372 0780/2372 4164/2377 0319
Fax:	+91-22-2374 1992/2460 7046
After hours:	
Riyaz Ali	+91-22-2415 7992
Mobile:	+1 9819819699
E-mail:	fmsmumbai@favouritemarine.com favourite_marine6@hotmail.com
Internet:	www.favouritemarine.com

INDIA

ELECTRICAL ENGINEERING

Rewinding of all types of AC and DC Rotating
Electrical Machines and Transformers up to 2000KW (110V-11KV)

● High and Low voltage Coil Manufacture ● Installation, modification or replacement of Motors and Controls ● Load testing of generators and motors ● On site testing and overhauls of generators and motors ● Marine Automation & Repairs to Main Engine Alarm Panel, redesign & installation of Main Engine Alarm Panels Software base

Trouble shooting of Hydraulic/Electrical Deck cranes, Controllable pitch propellers and Generation panels.

MECHANICAL ENGINEERING

Repairing, overhauling of Main Engines, Aux. Engines and Pumps ● Renewal of pipelines ● Servicing of Turbocharger ● Calibration Work ● Repairs to Marine Refrigeration System

STRUCTURAL ENGINEERING

Renewal of Steel plates on Deck, Holds, Hull and in all Tanks ● Redesign of frames and structures ● Repairing of windlass, crane jibs and platforms.

GENERAL SERVICES:

Dynamic balancing up to 5000 Kg and insitu, Vibration analysis ● Repairs to Automatic Voltage Regulators ● Alignment by Laser Beam System ● D-G Sets on Hire Basis.

PORTS SERVICED: MUMBAI, JNPT, KANDLA, VISHAKAPTNAM, CHENNAI & TUTICORIN

Service/Sales Representations:

Authorised service centre in India for Alstom, Crompton Greaves ● Authorised service agents in India for MJP Water Jets

ITALY

A. SANTAMARIA SPA

Via dei Pescatori
16129 Genoa
Italy

A. SANTAMARIA SPA

Tel:	+39 010 247 0656
Fax:	+39 010 246 1061
E-mail:	santamaria@a-santamaria.it
Internet:	www.a-santamaria.it

ISES contacts: Dott. A Sanatamaria (Managing Director) +39 335 651 5928
alessandro@a-santamaria.it
Mr Casaretto (Technical Support) +39 335 740 5662
m.casaretto@a-santamaria.it
Ing. Santoriello (Technical Support) +39 355 523 7180
i.santoriello@santamaria.it

SERVICES:

Service, maintenance and repair of: low and medium Voltage Alternators, AC-DC motors – Naval Automation, instrumentation, manufacturing of electric panels, electronic machinery, electronic cards – electric cabling – repair of circuit breakers – alarm systems

Diagnostic Maintenance: thermographic analysis – dynamic balancing up to 10 tons – laser alignment – electrical test – endoscopic check.

Quality Accreditation: RINA ISO 9001

PORTS SERVICED: All Italian Ports, North African and Mediterranean Ports

Service/Sales Representations: Asi Ansaldo Motors & Generators ● L3 (AEG) Motors & Generators ● Marelli Motors & Generators ● AVK ● Taiyo Motors & Generators

JAPAN

BEMAC UZUSHIO ELECTRIC CO. LTD.

1520 Kuo, Onishi-cho, Imbari-city
Ehime Pref. 799-2294,
Japan

BEMAC UZUSHIO ELECTRIC

Tel:	+81-898-25-8630
Fax:	+81-898-25-8631
E-mail:	service@bemac-uzushio.com
Internet:	http://www.bemac-uzushio.com

ISES contacts Mr Fumio Watnabe (Executive Deputy General Manager)
Mr Mitsutoshi Hori (Technical Support)
Mr Atsushi Bando (Technical Support Sales)
Mr Hidehiro Manabe (Global Marketing & Sales Group)

PORTS SERVICED: ALL JAPANESE PORTS

Main Products: Main switchboards ● Emergency switchboards ● Power management system- Group starter panels ● Engine control console ● Machinery alarm monitoring & Control system- Distribution boards.

Installation Work: Electric cabling ● Lighting equipment ● Radio & Communication equipment

Uzushio Electric was established in April 1946 and we have been in this marine business for over 62 years. We published our corporate brand name as BEMAC for technologies, products and services in April 2002. In 2009, we set up our service station in Singapore, BEMAC Marine Engineering Service (S) PTE LTD (Contact Person: Mr Y Akamatsu Tel: +65 6884-7989 Fax: +65-6884-7980)

We are experienced in the design and production of marine switchboards comprising with Power management system, Machinery alarm monitoring system and so on. Also, electrical equipment design, installation wiring of power plant, lighting and communication equipment are made with constant reference to new technology and shipbuilding requirements. Over 5000 vessels with our products installed are sailing around the world. To support such a huge numbers of ship s safety navigation, we are expanding global service network.



TERASAKI ELECTRIC CO. LTD.
7-2-10 Hannancho, Abeno-ku,
Osaka, Japan 545-0021

TERASAKI ELECTRIC

Tel: +81-6-6692-1138
Fax: +81-6-6694 5490
E-mail:
hakuei-osaka@terasaki.co.jp
Internet:
http://www.terasaki.co.jp

JAPAN

ISES contacts: Mr. Masayuki Sawada (Executive Manager of International Marine Sales Dept.)
 Teratec Ltd., Osaka Japan, Tel: +81-6-6693 6971/6974, Fax: +81-6-6693 7116/1716,

Internet: <http://www.teratec.co.jp>

E-mail: elparts@teratec.co.jp (parts supply), shipeng@teratec.co.jp (maintenance)

Terasaki Electric (Europe) Ltd. Scotland UK, Tel: +44-141-941 1940, Fax: +44-141-952 9246,
 E-mail: directresponse@terasaki.co.uk

Terasaki Electric Co., (Far East) Pte Ltd, Singapore, Tel: +65-6561 1165, Fax: +65-6561 2166
 E-mail: tefe@terasaki.com.sg

Terasaki Electric (China) Ltd., Guangzhou China, Tel: +86-20 8270 8556, Fax: +86-20 8270 8586
 E-mail: terasaki@public.guangzhou.gd.cn

Terasaki Electric Group Shanghai Office., Shanghai China, Tel: +86 21 5820 1611, Fax: +86 21 5820 1621,
 E-mail: terasaki@vip.163.com

Terasaki do Brasil, Rio de Janeiro Brazil, Tel: +55-21-3301 9898, Fax: +55-21-3301 9861
 E-mail: terasaki@terasaki.com.br

Terasaki (Middle East), Dubai UAE, Tel: +971 6 557 8140, Fax: +971 6 557 8141
 E-mail: terasaki@emirates.net.ae

American Teratec Inc., New Jersey USA, Tel: +1 609 443 5551, Fax: +1 609 443 5590
 E-mail: ati@teratecusa.com

Terasaki Electric Group Hamburg Office, Tel: +49 40 55 611 911, Fax: +49 40 55 611 912
 E-mail: dan.graniceanu@terasaki.de

PORTS SERVICED: MAJOR PORTS IN THE WORLD

Products: Main switchboards ● Group Starter Panels ● Control Consoles ● High Voltage Switchboards ● High Voltage Group Starter Panels ● Distribution boards ● Monitor and Data logger ● Integrated Monitoring and Control System ● Automatic Generator Control Equipment ● Air Circuit Breakers ● No-fuse Circuit Breakers ● Multi-cable Transits.

Terasaki is widely respected by shipping and shipbuilding industries around the world. We have delivered a variety of state-of-the-art power distribution control systems and engine monitoring and control systems for over 60 years. In fact, over 14,000 systems have been installed on large ships all over the world.

We have our original service organization, TERASAKI Global Service Network (TGSN) which is based on our overseas office and partners in order to provide the best worldwide service, aiming safety voyage.

DAEYANG ELECTRIC CO. LTD

DAEYANG ELECTRIC CO. LTD.

503 Shinpyung
Saha
Busan
Korea

Tel: +82 51 200 5303
Fax: +82 51 203 6671
Mobile: +82 16 411 4723
E-mail: ywseo@daeyang.co.kr
Internet: www.daeyang.co.kr

KOREA

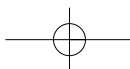
I.S.E.S. contacts: Mr Youngwoo Seo (CEO)
 Mr Jae-Jin Ko Manager
 Mr Chan-Jin Yoon Manager
 Mr Soon-Gyum Kim Manager

Profile:

Daeyang Electric Company was founded in May 1977 and manufactures Switchboards
 ● Lighting Fixtures including Explosion Proof ● RCMS ● Integrated Communication Systems (ICS) ● EM-Logs ● Fans ● Precision Instruments ● Temperature/Pressure Sensors ● Angle Indicating Instruments ● Under Water Vehicle such as ROV

PORTS SERVICED: All Korean Ports

Technicians are available 24 hours/day 365 days a year.





KOREA

KTE CO. LTD.
1497-1 Songjeong-Dong
Gangseo-Gu
Busan 618-270
Korea



ISES contacts: Mr J. G. Choi (President)
Mr B. R. Song (Senior Director)
Mr B. W. Jung (Team Manager)

KTE CO. LTD.

Tel:	+82-51-265 0255
Fax:	+82-51-265 0250
After hours:	
B. R. Song	+82-10-8519-0208
B. W. Jung	+82-10-4141-3417
E-mail:	ktcs@kte.co.kr
Internet:	http://www.kte.co.kr

Since its foundation in 1979, KTE Co Ltd has provided electrical marine equipment to many shipowners worldwide. As they always aim to be one of the world's leading suppliers of marine equipment, KTE continues to develop and adapt their products and services to new technologies. The Company will make every effort to satisfy a customer's demands on quality, short delivery time and after sales service.

PRODUCTS: Marine Switchboards ● Group Starter Panels ● Control Consoles ● Navigation Light Panels ● Purifier Control Panels ● Alarm and Monitoring System ● Power Management System ● Side Thrusters.

SERVICES:

Electrical The Company provides service on high and low voltage switchgear and switchboards ● motor controllers ● cabling work ● automatic paralleling equipment ● circuit breakers ● control panels ● transformers and relay.

Automation integrated monitoring and control systems ● power management system ● soft start panels.

Electronic Micro-processed monitoring and control systems ● generator management systems ● soft start panels.

Voyage Work Technicians are available for on-voyage repair work on electrical and electronics equipment.

PORTS SERVICED: PUSAN, INCHON, ULSAN, POHANG, KWANG YANG, KUN SAN, MASAN

Service /Sales Representations

Side Thruster: Nakashima Propeller Co Ltd
Shaft Generator: Taiyo Electric Co Ltd

KUK DONG ELECOM CO LTD

KOREA

KUK DONG ELECOM CO. LTD.
1509-12 Dadae-Dong,
Saha-Gu
Pusan
Korea

ISES contacts: Mr B. J. Jang (Executive Director)
Mr B. K. Choi (Business Director)
Mr K. Y. Kim (Business Manager)

Tel:	+82-51-266 0050
Fax:	+82-51-265 0985
E-mail:	kdecom@kukdongelecom.com
Internet:	www.kukdongelecom.com

PRODUCTS:

Lighting Fixtures ● Reefer Container Socket ● Multi Cable Transit ● Electrical Connection Box ● Shipwiring Cables

SERVICES:

Electrical The Company provides service and repairs on the main product items of both their own and other manufacturers.

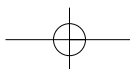
On-Voyage: Technicians are available for repair works to the main products on voyage.

PORTS SERVICED: PUSAN, INCHON, ULSAN AND ALL KOREAN PORTS

Service/Sales Representations:

Lighting Fixtures: Aqua Signal ● Wiska ● Glamox ● DTS ● Francis ● Norselight ● Elko ● Hakuyo ● Dose ● Vossloh ● Atco ● Kukdong Elecom

Electrical Parts: Brattberg (MCT) ● Rittall (Explosion-proof Enclosures) ● Dose (Reefer Container Socket)



LS INDUSTRIAL SYSTEMS

LS INDUSTRIAL SYSTEMS

Head office:
LS Tower 1026-6, Hogye-dong, Dongan-gu
Anyang-si, Gyeonggi-do 431-848, Korea

Marine Business Branch:
LS Bldg 140-9, Gamjeon2-dong, Sasang-gu
Busan Metropolitan City, 617-052, Korea

ISES contacts: Mr Hwang Won-il (CS Center Director)
 E-mail: whang@lisis.biz
 Mr Park Jeong-ho (Business Manager)
 E-mail: jeonghop@lisis.biz
 Mr Kim Wang-Kyu (Business Manager)
 E-mail: wkkim@lisis.biz

PORTS SERVICED: All Korean Ports (Incl. Busan, Ulsan, Incheon)

PRODUCTS I

Molded Case Circuit Breakers ● Air Circuit Breakers ● Vacuum Circuit Breakers ● Miniature Circuit Breakers ● Magnetic Contactors ● Digital (Electronic) Motor Control Relay ● Metering Devices (Digital/Electronic) ● Digital integrated Protection and Monitoring Devices

PRODUCTS II

Low Voltage Switchboard ● High Voltage Switchboard ● RMU ● transformers (Cast resin, Dry, Oil) ● Motor control Center

LS; An internationally renowned leading solution group

The LS Group provides leading solutions to customers in Korea and overseas in the industrial electrical, electronic materials industries. Since the group was spun off from the LG Group in 2003 (with the goal of strengthening each group's speciality) the LS Group has grown rapidly becoming a model case for a successful corporate separation. Today the LS Group consists of 24 affiliated companies, of which seven are major affiliates. In their respective fields, each of these major affiliates is Korea's number one company in terms of competitiveness. In the prowess and customer-orientated solutions under the management ideology that a company must always stand by its customers.

Tel:	+82-51-310 6823/6832
Fax:	+82-51-310 6827
CS Center:	+82-1544-2080
Internet:	www.lisis.biz

KOREA

SHINIL ELECTRIC CO. LTD.

SHINIL ELECTRIC CO. LTD

#170-23 Gamjeon-Dong
Sasang-gu
Busan
Korea

ISES contact : Mr HAN jangwoo

Tel:	+82-55-320 2222
Fax:	+82-55-332 2224
E-mail:	admi@shiniltop.com
Internet:	www.shiniltop.com

KOREA

PORTS SERVICED: All Korean Ports (Incl. Busan, Ulsan, Incheon).

SHIP BUILDING EQUIPMENTS: Bridge Control Console ● Main Switch Board ● Engine Control Console.

INDUSTRIAL EQUIPMENTS: Ultra high voltage sending/receiving panel ● Integrated type sending/receiving panel ● HV Motor MCC ● LV Motor MCC ● LV Panel ● Power and Illumination Control System ● UPS.

POWER PLANT EQUIPMENTS: Gas Turbine power equipments control system ● Diesel power plant equipments control system ● Heat supply power plant control System ● Power plant equipments monitoring and control system.

AUTOMATION: Factory Automation System (DCS,PLC,ROBOT,SERVO Control etc.) ● Subway cars operation monitoring and Control System ● Production Process Control System ● Steel Production Equipments Control System ● Distribution Automation System.

ENVIRONMENT: Electric Precipitator Control System Waste Water Disposal Plant Control System Air and Incinerator equipment Control System Remote Control monitoring Control System Drying equipments.

CHARGER: Analog Charging Equipment ● Charger/discharger ● Charger.

POWER SUPPLY: Power Supply Rack ● Power Supply AC ● Power Supply DC.

ELECTRIC WORK: Electricity sending/receiving equipments work ● Driving force and illumination work ● Plant work

CNC SHEET METAL LASER PROCESS: CNC punching ● Laser processing ● Interruption pulverulent painting ● Cubicle ● Machine tools cover ● Cable Duct



THE NETHERLANDS

TURBONED SERVICE B.V.

Kreekweg 10 – P.O. Box 1230

3330 CE Zwijndrecht

The Netherlands

**ISES contacts :**

Coert Kleijwegt	CEO
Chris Aerts	Global Sales Director
Igor Pejić	Service Manager
Ton Valken	Quality Assurance Manager

Company profile:

With approximately 70 employees, a global network and annual turnover of €30 million (2008), Dutch company TurboNed is a major player on the turbocharger market.

The corporate headquarters are located in Zwijndrecht.

The 14,000 m² premises in Zwijndrecht is in close proximity to both Rotterdam and Antwerp.

TurboNed has a stock of over €12 million of parts usable for ABB turbochargers including casings, rotors, nozzle rings, shroud rings and all other essential parts. We also operate an overhaul service for bearings and oil pumps and our blade weld repair service enables badly damaged rotors to be reclaimed at a fraction of their new reblade/replacement cost. Our state-of-the-art workshops are equipped to handle all aspects of turbocharger repair: dynamic balancing, steam cleaning, glass bead blasting, micro blasting, metal spraying, wet blasting, blade weld repair, TIG welding, ultrasonic inspection, ultraviolet crack detection and hydrostatic testing.

The field service team is available 24/7 and personnel can be mobilized at short notice.

High precision bearings from NTN-SNR are already well-known in the turbocharger world. The quality of these bearings is more than excellent and suitable for any ABB type turbocharger.

The quality management system of TurboNed is already certified since 1994, this all according to the ISO 9001:2008 standard.

TurboNed also has approved written quality assurance procedures for shaft end and blade repair.

TurboNed wishes to be a good employer. A high quality, among good working conditions and a good environment policy, is an essential condition for that.

Tel:	+31 (0) 78 620 5252
Fax:	+31 (0) 78 612 3220
E-mail:	service@turboned.nl
Internet:	www.turboned.nl

RADIAL CIRCLE TELECOMMUNICATIONS LTD

NIGERIA

RADIAL CIRCLE TELECOMMUNICATIONS LTD

56 Balarabe Musa Crescent

Off Samuel Manuwa Street

Victoria Island

Lagos, Nigeria

Tel:	+234 1 461 9507
Fax:	+234 1 461 9822
E-mail:	rcms@radialcircle.com
	enquiry@radialcircle.com
	rantiomole@radialcircle.com
Internet:	www.radialcircle.com

ISES Contacts – After Hours:

Mr. Elijah Agunbiade (Operations Manager)	+234 80 37248724
Mr. Musa Mohammed (Service Manager)	+234 80 34791825
Mr. Charles Azike (Service Manager)	+234 80 23137490
Mr. Ranti Omole (Executive Chairman)	+234 80 35050955
Mr. Lekan Akande (Executive Director)	+234 80 37220716

Radial Circle Telecommunications Ltd; a System Integrator and Service Maintenance Company was established in 1995 to provide integrated Offshore and Marine Communication Services.

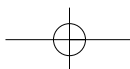
Our Range of Services: GMDSS ● Satellite Communication, Stabilized VSAT (Seatel & Orbit) ● Inmarsat Solutions ● Satellite Airtime ● Navigational Aids ● Entertainment System (TVRO) ● CCTV ● Integrated Fire & Gas System ● Shore Based Maintenance Services ● NDB (Non-Directional Radio Beacons) ● Ship Security Alert Systems (SSAS) ● Radio HF-SSB/VHF ● EPIRBS/SART ● PAGA System

PORTS SERVICED: LAGOS, WARRI, PORT HARCOURT AND OTHER WEST AFRICAN PORTS ON REQUEST

Service/Sales Representations:

Jotron ● Nera ● Motorola ● Seatel ● Southern Avionics ● Autronica Fire & Gas ● Thrane ● Bosch Security ● Furuno ● Orbit ● JRC

Service Representations: Jotron ● Nera ● Motorola ● Seatel ● Orbit ● Southern Avionics ● Autronica Fire & Gas ● Thrane ● Raytheon Anschutz ● Furuno ● JRC ● Sperry



**ELECTROMAR SERVICES SA**

PO Box 0823-01459
Panama Republic

Shipping address:

Building 795B, Williamson Place
La Boca, Balboa, Ancon

ISES contacts:

Mr Dino Berroa (General Manager)

Other E-mail addresses:

Management: electmar@cwpanama.net
Operations: dino@electromarpanama.com
Technical Department: support@electromarpanama.com
shipsupply@electromarpanama.com

ELECTROMAR SERVICES SA

Tel: +507-228-9983/9984
Mobile: 6216-6535/6675-3620
Fax: +507-228-9986
E-mail: electmar@cwpanama.net
Internet: www.electromarpanama.com

PANAMA

MAINTENANCE AND SUPPLY OF MARINE ELECTRONIC EQUIPMENT

SVDR ● AIS Systems ● Iridium Phones ● Autopilot ● SSAS ● LRIT ● INMARSAT ● Magnetic Compass Calibration ● GMDSS Stations ● Radars ● GPS ● RPM System ● EPIRB/SART ● Sonars ● Fish Finders ● Radio/HF-SSB-VHF ● Electricity ● Automation System ● Gyrocompass ● Survey Equipment

ELECTRICAL, ELECTROMECHANICAL, INSTRUMENTATION

Engine Telegraph Systems ● Rudder Angle Indicators ● Wind Indicators ● Thruster Controls ● Electric Propeller Shaft ● RPM System ● Navigation Lights ● Oil Discharger Systems, Control Panels ● Fire Detection System

SUPPLY PRODUCTS SUCH AS:

ACR Electronic ● Anschutz ● Alden Marine ● Furuno ● Sperry ● Raytheon ● Simrad ● Tokimec ● Comnav ● SiTex ● Iridium ● Hokushin ● Kodon ● Visada ● Comrod ● Nexus ● Nera Marine ● Cetrex ● Echopilots ● Jotron ● Kidde Marine ● McMurdo ● Paneltronics ● Raymarine ● Saracom ● Syqwest

PORTS SERVICED: ALL PORTS AT PANAMA CANAL, ATLANTIC ANCHORAGE, PACIFIC ANCHORAGE, CARIBBEAN, SOUTH AND CENTRAL AMERICAN PORTS UPON REQUEST

TALLERES INDUSTRIALES SA

PO Box 0301-02132,
Colon, Rep de Panama

ISES Contacts: (International Code: 507)

Name	Department	Number
Lino Arosemena	General Manager	6619-0041
David Cohen	Technical Manager	6619-0046
Ricardo Husband	Asst. General Manager	6619-0064
Juencio Pizza	Balboa Branch Manager	6619-0047

TALLERES INDUSTRIALES SA

Tel: +507-445-1044/1348
+507-433-1378
Fax: +507-445-1104
e-mail: talleres@talleresindustriales.com
Internet: www.talleresindustriales.com

PANAMA

REWINDS

Rewinds of all types of AC and DC motors, as well as transformers, alternators, converters and generators of all sizes. We can carry out rewinding of motors up to 100HP within 24 hours. We take the time that the vessel has prior and during canal transit in order to remove the motors from one end (Cristobal or Balboa) and deliver upon completion of transit.

ADDITIONAL SERVICES

Main and auxiliary engine repairs ● overhaul of pumps, turbochargers, heat exchangers and condensers ● all types of welding ● hydraulic repairs ● boiler repairs ● fuel injection systems ● fabrication of pipes ● underwater services ● Cargo gears weight test ● Balancing of all types of rotors and fans ● NDT ultrasonic thickness reading ● Rental of power packs ● Sand blasting and painting ● Launch and supply boat services ● Crane services ● Life boat and davit test

UNDERWATER SERVICES

Underwater cleanings ● propeller polishings ● underwater surveys ● all types of underwater repairs

ELECTRONIC SERVICES / AUTOMATION REPAIRS

GMDSS Stations ● Radars ● Radar Transponders ● Sat/Comm Terminals ● Telex/Fax Systems ● Satellite Phones ● Gyro Compass ● Navtex ● Weather Fax ● Engine Room Electronic Control Systems

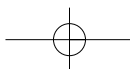
Quality Accreditation: ISO 9001 : 2000 SGS

CLASS APPROVED: ABS, DNV, GL, LR, BV, NK, RINA and RR

PORTS SERVICED: PANAMA CANAL AREA, CENTRAL AMERICA, SOUTH AMERICA AND THE CARIBBEAN.

MEMBERS OF: AMERICAN DIVING CONTRACTORS, AMERICAN WELDING SOCIETY, EASA, ISES

SERVICE REPRESENTATIONS: Turboned ● Westfalia ● Hyundai Lifeboats ● Nishi ● Norsafe ● Watercraft



POLAND

EPA MARINE LTD

Wojska Polskiego 193/1,
71-325 Szczecin,
Poland

ISES contacts: Mr Marek Nestorowicz Msc
Mr Mariusz Urman Msc

We provide installation, technical support, repair and service on vessels of all Nationalities in the fields of:

- automation (includes ship's propulsion control systems, main engine control systems, boiler controls, machinery monitoring and alarm systems, power management systems).
- radio communication equipment and systems (complex radio station required by GMDSS, satellites communication systems - INMARSAT).
- safety equipment: radio beacons, radars, transponders, SSAS, AIS
- navigation (radars, ECDIS, facsimile receivers, NAVTEX and GPS receivers, gyrocompasses, autopilots, echo sounders, speed logs).
- internal communication systems (telephone exchanges, talkback, PA systems, CAS).

Service agents for: Kelvin Hughes ● Thrane & Thrane ● Motorola ● Amplidan ● SP Radio and Skanti (Thrane & Thrane Aalborg) ● Raytheon Marine ● Lyngsoe Marine ● AS SAM Electronics ● Jotron ● Transas Europe ● MCL (Marinex) ● Rutter ● Leica (Navico) ● Lilley&Gillie (Walker),

Sales agents for: Kelvin Hughes ● Thrane & Thrane ● Motorola ● Amplidan ● SP Radio and Skanti (Thrane & Thrane Aalborg) ● Jotron ● Transas Europe ● MCL (Marinex) ● Rutter ● Cassens&Plath ● Leica (Navico), Lilley&Gillie (Walker).

We also offer the above mentioned services for new buildings.

Quality accreditation: ISO 9001:2001 certified by PRS

Services certified by: DNV, ABS, PRS, Lloyds Register, MRS, Germanischer Lloyd, RINA BV

For more information about EPA visit our website <http://www.epamarine.pl>

EPA MARINE LTD

Tel: Divisions (Service and Sales)	
Marek Nestorowicz Msc	+48 91 4350-710
Tel: Office	+48-91-4350-700
Fax:	+48 91-4252-999
After Hours:	
Mariusz Urman Msc (Technical Director)	+48-601-771267
E-mail:	
President	m.nestorowicz@epamarine.pl
Technical Director	m.urman@epamarine.pl
Service Co-ordinator	s.klosowski@epamarine.pl
	epamarine@epamarine.pl
	service@epamarine.pl
Internet:	www.epamarine.pl

ROMANIA

NAVTRON SRL.

7 Vasile Marcovici Street
900130 Constanta
Romania



I.S.E.S. contacts: Mr. Eden Kessler (CEO)
Mr. Ciprian Alexe (Commercial Director)
Mr. Mircea Mihai (Service Coordinator)
Mrs. Rodica Craiu (Service Administrator)

NAVTRON srl is a privately owned company with a long experience in Marine Electronics, providing Equipment and System Configuration, Delivery, Installation, Commissioning and Repairs mainly to the Romanian and Bulgarian markets. With a focus on Customer Service, Quality and Expertise, the Company has developed over the years, covering the entire range of customers in the Marine Market – Leisure, Work and Fishing Boats, High Seas/Commercial, Offshore, Governmental and Military.

Quality Management: ISO9001:2000

24/7 Service Availability with trained, experienced technicians.

Ports Served: Romania – All Ports
Bulgaria – All Ports

Service/Sales Representations for Commercial Marine:

AC Marine ● ACR (incl. NAUTICAST) ● Airmar ● Alfatronix ● Alphatron Marine ● AMI Marine ● Beijing Highlander ● C-MAP ● CONSILIUM ● DANELEC ● DHR ● E-PAK ● Francis Searchlights ● ICOM ● ICS ● JRC ● Marine Data ● Lilley & Gillie (incl. Walker) ● KODEN ● McMurdo ● NETWAVE ● Ocean Signal ● PHONTECH ● RUTTER ● SEA ● Seven Star ● SIMRAD (incl. Shipmate, Navico, MX Marine) ● Thrane & Thrane (incl. SAILOR, SKANTI, NERA) ● Servowatch ● SKIPPER ● VICTRON ● Others.

Certified for Radio, VDR, BNWAS Survey by: ABS ● BV ● DNV ● GL ● LR ● NK ● RINA ● RMRS ● IRS ● RNA

Certified for VDR/SVDR APT by: AMI Marine ● Beijing Highlander ● DANELEC ● JRC ● NETWAVE ● RUTTER ● Other brands pending (please check).

NAVTRON SRL

Tel No:	+40 241 545 650
	+40 241 545 649
	+40 723 200 311
Fax No:	+40 241 555 582
Mobile:	+40 745 050 304
	+40 755 506 288
Email:	office@navtron.ro
	service@navtron.ro
Website:	www.navtron.ro

CYCLECT ELECTRICAL ENGINEERING PTE. LTD.
33 Tuas View Crescent
Singapore 637654



ISES contacts :

Mr. Marcus Tan (Director):	Mobile
Mr. Andy Loh (General Manager)	+65 9003-7006
Mr. Tan Ee Wei (Marine Sales)	+65 9755-7377
	+65 9731-9802

Tel:	+65-6863 6877
Fax:	+65-6863 6260
24-hour Service Line:	+65-9003 6992
	or +65-9003 9039
E-mail:	info@cyclect.com.sg
Internet:	http://www.cyclect.com.sg

ISO 9001:2000 Certified Quality System

ELECTRICAL

Motor Rewind & Overhaul: AC up to 5000 kW, DC up to 2000 kW. Electric oven 3.6m x 3.1m x 3.

Dynamic Balance: Capacity – up to 5 tons, Ø2000mm, 2400mm length. Motor circuit conditioning.

Power Transmission: Design & Manufacturing of Main & Distribution switchboards, starters and all kinds of control panels & transformers.

Controls & Automation System: Engine room, cargo loading, fire alarm, power packs, UPS, PCB, Power Generation Systems, Control Systems, ACB Testing, MSB, Bow Thruster Systems.

Refrigeration, Air-Conditioning, Air Dryer & Dehumidifier: Repair and installation. Supply Savannah custom-built marine package air-conditioners. Marine refrigeration system conversion.

Mechanical Services: Repair & overhaul of engine, machinery, hydraulic systems, renewal of shell & deck plating. Repair pumps, gearboxes, pipe fabrication. On-site alternators cleaning & repair. Laser alignment.

Condition Monitoring: Infrared thermography & Vibration Analysis.

24 HOUR SERVICE, VOYAGE REPAIRS

PORTS SERVICED: WORLD-WIDE

Service/Sales Representations:

● Buschjost process valves. Van Air ● ZeksPro Air-dryers. Buschjost ● Herion ● Norgren Solenoid Valves ● Dutch Electric Motors ● JRCs Power Management System ● Taiyo Marine Generators / PMS ● Pyrogen Fire Suppression Systems ● EMRI AVR's ● Emotron Frequency Inverters

JASON ELECTRONICS PTE LTD

JASON ELECTRONICS PTE LTD

Blk 194,
Pandan Loop
#06-05 Pantech Business Hub
Singapore 128383

Tel:	+65 6872 0211
Fax:	+65 8672 1800
E-mail:	sales@jason.com.sg
Internet:	www.jason.com.sg

Jason Electronics is a leading marine electronics systems integrator and support services provider with a global clientele. An expert in marine communication, navigation and automation systems, we offer one-stop solutions that include design, supply, integration, installation, testing, commissioning and maintenance. We also sell satellite airtime services to complement our communication business.

Our key services include (1) After-sales support, (2) Maintenance and repair works, (3) Troubleshooting, (4) Replacement of faulty parts and (5) Statutory radio survey for major classification societies. Our engineers are certified by principals to provide maintenance, service and annual performance test for Voyage Data Recorder (VDR). We also have a dedicated customer support team to provide 24/7 customer service.

Our good track record of consistent and timely delivery has anchored our position as one of the leading players in the industry in Singapore and the region.

Representations:

Jason Electronics offer best-of-breed solutions through years of good relationships with internationally renowned manufacturers like Thrane & Thrane, Sea Tel, Navis OY, Navico, Raytheon Anschütz, Jotron, Koden and Samyung ENC.

Jason Electronics is accredited as the certified service centre for Thrane & Thrane in Singapore and the authorized service centre for Raytheon Anschütz in the PRC to provide maintenance and after-sales support.

SINGAPORE

SINGAPORE

LH MARTHINUSEN CAPE TOWN

27 Kunene Circle
Omarumba Business Park
Montague Gardens
Cape Town 7441
South Africa

LH MARTHINUSEN

Tel:	+27 215558660
Fax:	+27 215558686
E-mail:	andrem@lhmct.co.za
Internet:	www.lhm.co.za

ISES contacts: Andre Maree General Manager
Mobile: +27 834474402
Colin Van Der Westhuizen Key Account Manager
Stanley Barendse Large AC/DC
Denald Le Roux Small AC/DC

LH Marthinusen Cape Town is the leading Electrical and Mechanical repairer in Africa, **Specialising in:** AC low voltage motors ● AC medium & high voltage motors ● generator and alternators ● DC industrial motors ● AC and DC traction motors ● coil manufacture.

On site Services: total electrical asset management (team) ● on site maintenance and assessment ● 24 hr service ● removals ● installations ● commissioning ● laser alignment ● vibration analysis ● condition monitoring & assessment ● balancing ● tan-delta testing ● infrared thermography ● Specialised fault finding and diagnostics ● transformer oil purification.

Specialised Services: project management ● supply of skilled and semi skilled contract personnel ● electrical and instrumentation installation for mining ● steel, oil ● gas & petrochemical industries.

Quality Accreditation: ISO 9000 - 2000

PORTS SERVICED : CAPE TOWN AND OTHER PORTS UPON REQUEST

Service Representations:

Siemens Motor Repair ● ABB Pump Repair

LH MARTHINUSEN ENGINEERING SERVICES**LH MARTHINUSEN**

P.O. Box 2515
Durban 4000
R.S.A.

ISES contacts: Mr V. F. Jones
Mr J. E. Boddy

Tel:	+27-31-2057211
All Hours:	+27-83-4408446
Fax:	+27-31-2057339
Marine Direct:	+27-31-2052706
Mobiles:	
V. F. Jones	+27 83 440 8446
E-mail:	vernonj@lhmdbn.co.za
Internet:	www.marthinusen.com

BRANCHES: CAPETOWN, RICHARDS BAY, JOHANNESBURG

ELECTRICAL SERVICES: Repair & Rewinding of all Rotating Equipment of unlimited size. Repair & Rewinding of all Static Electrical Equipment of unlimited size & voltage. Coil manufacturing. Copper Drawing, Repairs to Switchboards, Complete Ships wiring, Alternators, Radar, Satnav, Auto Pilots. Deck Crane Winches etc. Sea going repairs or installations. VPI tanks. Control Systems.

QUALITY: ISO 9002 - 1994.

MECHANICAL SERVICES: Repairs to Diesels, Aux, Main, Engines. Pipe Work, Crank Shaft Grinding & Rebuilding, Boiler repairs. Turbo Charges, Pumps, Valves, Metal spraying, Hydraulic, Balancing Workshop 8 Ton, en situ, condition monitoring, Sea Going Repairs.

PORTS SERVICED: DURBAN, RICHARDS BAY, CAPE TOWN & OTHER AFRICAN PORTS ON REQUEST

Service/Sales Representations:

Sal Log ● Brissoneau et Lotz ● Terasaki ● AEG ● JRCS

SMD TELECOMMUNICATIONS CC**53 Paarden Eiland Road****Paarden Eiland****7405 Cape Town****South Africa**

ISES contacts : Arend H. de Boer (Managing Member)
 Brian Chambers (General Manager Service)
 Vincent Joynt (Service Manager)

Durban Branch Office:

366 Umbilo Road, Durban, 4001.

P.O. Box 18430, Dalbridge, 4014.

ISES contacts: Mr. Donovan Reid-Thomson (Service Manager)

Richards Bay Branch Office:

131 Dollar Drive, Richards Bay, 3901.

ISES contacts: Mr Andile Dhlomo (Service Manager)

Tel: +27-31-205-1122

Fax: +27-31-205-0999

E-mail: dbn.service@smd-marine.com

After Hours: +27-83-225-9854

Tel: +27-35-789-4696

Fax: +27-35-789-4694

E-mail: rby.service@smd-marine.com

After Hours: +27-83-275-6035

SERVICES: Marine Electronic Services, Communications/Navigation, AIS, ARPA, Autopilots, Doppler Sonar Log, DSC equipment, ECDIS, Echosounders, Electromagnetic Log, EPIRB, Fishfinders, Fluxgate Eq., GMDSS stations, ShoreBased Maintenance, GPS, Gyrocompasses, INMARSAT, Fleet, Broadband, Integrated Bridge Equipment, LAN, Meteorological Equipment, NBDP, Plot Tables, Radar, SART, SSAS, Survey Equipment, VDR, VHF, Weatherfacsimile. Radio Surveys for all Classification Societies. En-route Repairs, Off Port Limits Service by launch or helicopter at Capetown and Durban roads.

QUALITY ACCREDITATION: ISO 9001:2000

PORTS SERVICED: CAPE TOWN, DURBAN, RICHARDS BAY, WALVIS BAY, SALDANHA BAY, PORT ELIZABETH, EASTLONDON. ON DEMAND ALL MAJOR PORTS IN AFRICA SOUTH OF THE SAHARA.

Service Representations

Alphatron Marine_ AMI Marine ● Beijing Highlander ● C2SAT ● Chartco ● Consilium ● GEM Elettronica S.r.l. ● Globe Wireless ● Hanshin Electronics Ltd ● Hai Hua Electronics ● Headway ● Interschalt ● JRC Japan Radio Company ● Kelvin Hughes (VDR, S-VDR) ● L-3 communications ELAC GmbH ● Lilley & Gillie ● Mackay Marine ● Marine Communications Ltd ● Marine Data ● MARIS ● McMurdo ● Nauticast ● Netwave ● Rutter Technologies Inc ● SAAB Transpondertech ● SAM Electronics GmbH ● Samsung IT ● Satamatics ● Sea Lantern Electronics ● SELEX ELSAG Ltd ● Standard Horizon ● STI Simulation Tech ● STX(VDR) ● Teledyne/SG Brown ● Thrane (OSC) ● TMQ ● Tokimec ● Totem ● Vizada ● Yokogawa Denshikiki Co. ● Zenitel Marine

Approved for GMDSS safety radio Surveys by: ABS, Bureau Veritas, Class NK, Det Norske Veritas, GL, Lloyds Register and RMRS

SMD**SOUTH AFRICA**

Tel:	+27-21-511-0556
Fax:	+27-21-511-2886
E-mail:	radar@smd-marine.com
Internet:	www.smd-marine.com
After Hours:	+27-83-275-5477

AAGE HEMPEL SPAIN**HEAD OFFICE****Paseo de la Conferencia, 13-2A, 11207 Algeciras, Cadiz, Spain**

ISES contacts:

Head Office (Algeciras):

Mr Les Housley (General Manager)

Luis Miguel Ayala (Deputy General Manager)

Mr Sergio Balbuena, (Technical Manager)

Mrs Marina Housley, (Assistant Manager)

Pedro Suarez (I.T. Manager)

José Maria Bris (Marketing & Sales Manager)

The Head Office at Algeciras should be contacted for all service requests. (Covers Málaga)

Barcelona Office:

Tel: +34 934 520045

Tel: +356 2166 2623

Tel: +351 915 726 858

Tel: +34 959 521287

Tel: +350 40572

Tel: +34 981 677 110

Tel: +34 928 472765

Tel: +977 204 440

Tel: +212 22 44 21 39

Tel: +34 886 118 251

Tel: +34 606 326 073

Tel: +34 928 472765

Tel: +977 204 440

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Tel: +34 886 118 251

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Tel: +34 928 472765

Tel: +977 204 440

Tel: +212 22 44 21 39

AAGE HEMPEL SPAIN

Tel:	+34-956-573276
Fax:	+34-956-602088
24 hours:	+34-956 573276
E-mail:	service@aagehempel.com
Internet:	www.aagehempel.com

SPAIN

Tel: +34 934 520045

Tel: +356 2166 2623

Tel: +351 915 726 858

Tel: +34 959 521287

Tel: +350 40572

Tel: +34 981 677 110

Tel: +34 928 472765

Tel: +977 204 440

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Tel: +212 22 44 21 39

Tel: +34 886 118 251

Tel: +34 606 326 073

Tel: +34 928 472765

Tel: +977 204 440

Tel: +212 22 44 21 39



SPAIN

ALCONZA BERANGO, S.L.

Arene Bidea 13
48640 Berango
Vizcaya
Spain

ISES contacts:

Mr Jesus Nicolas (After Sales Manager)
Mr Fernando Morales (After Sales Dept.)
Mr Luis Galeote (Commercial Director)

E-mail: jesus.nicolas@alconza.com
E-mail: fernando.morales@alconza.com
E-mail: luis.galeote@alconza.com

ALCONZA BERANGO, S.L.

Tel: (7 lines)	+34-94-668 0011
Fax:	+34-94-668 0923
	+34-94-668 0653
After Hours:	+34-63-091 8860
E-mail:	alconza@alconza.com

REWINDS

Low and high voltage machines, up to 13.8 KV, AC motors & generators up to size 2250 (20 Mw related to 600 rpm). Minimum power of 1 Mw. Insulation class F with global VPI (4.5 m.Ø tank) epoxy resin impregnation. Dynamic balancing up to 70 Ts. and 130 Ts. of lifting capacity. Tangent delta tests available. Two frequency method for full load tests of asynchronous motors up to 4 Mw., also vertical ones.

(Alconza is a new building manufacturer and not a repair workshop so interferences with the current production might not permit a rewind to be carried out in a short period)

PRODUCT RANGE

Alconza s factory is located in Berango (15 Km from Bilbao) in the northern part of Spain (Biscay Golf).

The company designs and manufactures a very wide range of rotary machines including low and high voltage both synchronous machines up to 20 Mw (Main and shaft PTO/PTI generators and propulsion motors), and asynchronous ones limited to a similar power, for main ship propulsion, thruster application as well as for different ship services like fire - fighting pumps, compressors, etc. ...

The motors are designed for both fixed speed and mostly for variable speed application. In this last case, the insulation system is specifically adapted to the different VSD technologies.

All products are delivered, under request, with all different Classification Societies certificates.

The design and manufacturing up to 20 Mw. meet the Quality System ISO9001 which has been certified by LR, according to the 2000 version. The machines are designed and built according to the different international standards being the most common the IEC rules.

The Berango works has both mechanical and electrical facilities so all different operations can be made in house like, housings, steel works, shaft machining, coil manufacturing, poles production, winding, impregnation, final assembly and tests.

There is an easy and close access to both the international port and airport of Bilbao
Alconza specialises in the design and production of tailor-made machinery to customer s specification.

PORTS SERVICED: BILBAO AND TECHNICAL ASSISTANCE AT ALL SPANISH PORTS

SPAIN

CROSSCOMAR, S.L.

C/Mastil S/N 11379
Los Barrios
Spain

ISES contacts : Kjell Amundsen (Managing Director)
Adan Márquez (Sales Director)
Jose Manuel Nuñez (Technical Director)
María Jesús Lloret (Office Manager)

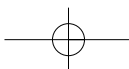
CROSSCOMAR

Tel:	+00 34 956 67 52 00
Fax:	+00 34 956 67 51 18
E-mail:	admon@crosscomar.com
Internet:	www.crosscomar.com

Crosscomar S.L is a reputable ship repair & marine service company, based in Algeciras and dedicated to offer an integral repair service. Our experienced workforce is ready for immediate mobilization and will complete the work when ships are at anchorage, alongside or on voyage reducing off-hire cost and the other expenses incurred at shipyards.

Our experience covers the following fields. **Hull** (renewal/repair of steel, ballast, hatch and load test of cranes and derricks). **Engine** (repair of engine and boilers, cranks shaft grinding, installation of new machinery, refrigeration repair, re-tubing and hydraulics). **Blasting / Painting** (upgrading work on deck, in holds, in port, yard or voyage, carrying out coating and painting, hp water jetting and grit blasting). **Electrical / Automation** (general electric repairs, rewinding of motors and generators, O.D.M sales, service and maintenance, repair and control of automation for boilers and main engine). **Frs** (fire fighting equipment, hoses and couplings, lifesaving, life rafts, gas detection, airline systems, breathing air compressors, mask and filters). **Anchor & chains** (with our workboat we can dismantle old or damaged chains and anchors and mount new ones, with the vessel anchored at Algeciras bay or alongside. **M/V Kjella** is our workboat, based in Algeciras and capable of transport of men and material, ship-to-ship transfer support craft, store supply, diving support, gas purging and availability of a mobile crane on deck. She will be at your service 24 a day, 365 days a year, in Algeciras, or anywhere you need her across the strait of Gibraltar.

At **Crosscomar** our aim is to provide the best experienced service to help you minimise time and worries.



SELEX ELSAG Ltd LTD

Lambda House, Christopher Martin Road
Basildon, Essex SS14 3EL
United Kingdom

ISES contacts: Denise Sotiris (Service Co-ordinator)
Tel No: +44 1268 824205
Fax No: +44 1268 823494
E-mail: marine-service@selexelsag.com

SELEX ELSAG

Tel: +44 1268 823928
Fax: +44 1268 823494
E-mail: marine-service@selexelsag.com
Internet: www.selexmarine.com

UNITED KINGDOM

Established for over 100 years, SELEX Communications is a leading provider of commercial Marine solutions for Communications, Navigation, Safety, Security, Welfare and Support.

SELEX Elsag, a Finnmeccanica company, has been at the forefront of the marine electronics industry since 1900. Previously known worldwide as Marconi Marine, it is the only business that has been continuously involved in the provision, implementation, monitoring and support of communications equipment, since the inception of the very first marine radio.

The company has the ability to support the whole of the maritime industry, with more UK based marine electronics engineers than any other company and a network of regional offices across the country, with service representation around the globe. The regional offices act as a first line of contact for customers, offering local expert knowledge, engineering support around the clock and are strategically based in, or near to, local ports and harbours. There are dedicated, specialist sales teams based around the UK, as well as a dedicated team of surveyors and specific project management resources.

As the only Japan Radio Company distributor in the UK, SELEX Elsag are responsible for not only the provision of JRC products in the UK, but we also offer installation, training and support. We are also a Thrane & Thrane Certified partner which enables us to provide our customers with full support both locally and through Thrane's global service and support network. SELEX Elsag (Marine Division) now includes the former Broadgate and Peninsular Electronics companies, allowing us to fully support the Broadgate VDR product.

Technicians are available 24 hours a day, 365 days a year.

OFFICES LOCATED IN: ABERDEEN, BRISTOL, EYEMOUTH, FALMOUTH, FRASERBURGH, GLASGOW, KILKEEL, HULL, LIVERPOOL, LOWESTOFT, NEWCASTLE, NEWLYN, PLYMOUTH, ROSYTH, SOUTHAMPTON. CAN ATTEND ANY U.K. PORT.

Service/Sales Representations for marine products:

JRC ● Sailor ● Sea Tel ● Thrane & Thrane ● Jotron ● Koden ● Navitron ● Iridium ● Phontech ● Trimble ● Lilley & Gillie ● TraxNav ● Broadgate VDR ● Danelec VDR

B & A MARINE CO INC

75 Huntington Street
Brooklyn NY 11231
U.S.A.

B & A MARINE CO INC

Tel: (24 hour) +1-718-875 6700
Fax: +1-718-858 0029
E-mail: service@bamarine.com
Internet: www.bamarine.com

UNITED STATES

ISES Contact:

Mr. Bill Crokos	(President)	+1-917-560-1009
Mr. John Crokos	(Vice President)	+1-516-448-8755
Mr. Anastasios Krokos	(Shop Supervisor)	
Mr. Alex Krokos	(Technical Coordinator)	+1-917-567-1167
Mr. Michael Uckar	(Technical Department)	+1-347-451-5434

Email

billcroks@bamarine.com
johncroks@bamarine.com
service@bamarine.com
akrokos@bamarine.com
muckar@bamarine.com

SERVICES

Full Service Machine Workshop

● Repair of all equipment including pumps, valves, heat exchangers and compressors ● Machining of new parts including shafts, bushings, housings, etc ● Custom fabrications in steel, stainless steel, bronze, cast iron, etc ● Pipe fabrication and repairs ● Welding – SMAW, MIG, TIG and Submerged Arc

Full Service Electrical Workshop

● Rewinding and overhaul of AC and DC motors and generators up to 2000 KW ● Complete diagnostic equipment – Surge Comparison, Hi-Pot, Core Loss ● Temperature controlled ovens ● Dynamic balancing

In Port and En Voyage Services

● Structural repairs ● Main and auxiliary engine and boiler repairs ● Piping repairs and renewals ● Rigging ● Electrical trouble shooting, installation and repairs – Switchboards, controllers, lighting, alarm systems, salinometers, oily water separators, AVR s, cables ● Deck machinery repairs and cargo gear testing/certification

Service/Sales Representations:

● **Daihatsu Diesel** – Factory trained Service Engineers, Workshop reconditioning of parts, spare parts sales
● **Nishishiba Electric** – Factory trained Electrical Engineers & Service
● **Taiyo Electric** – Factory trained Electrical Engineers & Service
● **Seahoe Marine Systems** – Manufacturer of Cargo Hatch Covers

PORTS SERVICED: Primary all ports of North America - coupled with Central and South America

UNITED STATES

KOFFLER ELECTRICAL MECHANICAL APPARATUS REPAIR

527 Whitney Street
San Leandro, C.A. 94577
U.S.A.

ISES contacts: Mr Charles Koffler (COO Technical)
Mr Mike Bucedì (Service Manager)
Mr Kerry Koffler (Field Service Supervisor)

Tel:	+1-510-567-0630
Fax:	+1-510-567 0636
After hours:	+1-510-567-0630
E-mail:	charlie@koffler.com
	mike@koffler.com
	kerry@koffler.com
Internet:	www.koffler.com

REWINDS

Rewinding/overhaul of AC and DC rotating equipment up to 10,000 H.P. and transformers up to 5,000 KVA ● HV coil manufacture ● Vacuum pressure epoxy resin impregnation, tank 12 x 12 .

SPECIALISING

Dynamometer testing up to 3,000 H.P. (0 to 4,160 V) ● Dynamic balancing and vibration analysis ● Voltage regulator repairs ● Relay testing ● Certified non-destructive testing ● Surge comparison AC/DC ● Circuit breaker testing/calibration to 100,000 A ● Rotor rebarring (aluminium and copper) ● Complete machine shop services ● Babbitt bearing repair and manufacture ● Complete welding and fabrication with full metal spray capabilities.

SITE SERVICES

Laser alignment ● Vibration analysis and field balancing ● Thermographic infra-red camera survey ● Trouble shooting electrical or mechanical equipment ● Circuit breaker testing/calibration ● Shipboard wiring ● Transformer testing ● Technical training courses.

PORTS SERVICED: SAN FRANCISCO, SACRAMENTO, OAKLAND, RICHMOND AND STOCKTON

Service/Sales Representations:

Electric Motors – GE ● Westinghouse ● Louis Allis ● Baldor ● LEESON ● Reliance ● Toshiba

Controls – Square D ● GE ● Alan Bradley

Variable Frequency Drives – ADI (Emerson)

UNITED STATES

SEABOARD CONTROLS, INC SEABOARD CONTROLS, INC

4807 Highway 90 West, P.O. Box 1869, Crosby,
Texas 77532-1869, U.S.A.

ISES contacts: Mr Philip G. Muro (President)
Mr Anthony Muro
(Automated Solutions/Project Engineer)

QUALITY ACCREDITATION: ISO 9001

Seaboard has been servicing the marine industry since 1980. The company is aware of the importance and need for quick professional service as well as satisfying the various regulatory bodies that govern the vessel movement and operation. The main office and facility is located on the outskirts of Houston.

Seaboard offers to its marine customers an in-house staff of service engineers, design engineers, marine technicians and marine electricians. Completing this group of electrical personnel are in-house personnel who attend to the custom fabrication of panel boards/motor controllers and Switchboards that have been specifically designed for the customers needs.

The company prides itself in the **custom design and fabrication of control systems** to replace obsolete control systems with state of the art PLC driven controls, Allen-Bradley, GE Fanuc, Toshiba and Siemens are but a few of the type of PLCs we incorporate into our systems.

The **electrical group** attends to most electrical needs the customer may have which include IGS, boiler automation, burner management, engine controls, central monitoring systems, pump and winch controls, generators, switchboards, gauging systems and turbine controls.

Seaboard has factory trained service technicians for Japan Radio & Electric Manufacturing Co Ltd (JRCS) equipment. **We are the Authorized Service Representatives in the U.S.A. for JRCS.** Complete engineering and fabrication of Low Voltage Switchboards and Generator Controls, all sizes and types of various motor starters. All built to meet the guidelines of ABS and DNV in our fabrication facility.

Seaboard Controls does offer authorized service for ABB Variable Speed AC Drives. Our factory trained engineers will assist with problems you may have with this equipment as well as start-up of new equipment of this type. We also offer competitive pricing for sales of this equipment and offer a complete engineering package using ABB Drives custom designed for the customers needs.

REWINDS

All types of rotating equipment up to 1000 kW volts 220-440. Impregnation by dip process. First oven 8 x 8 x 7 feet gas fired, second oven 6 x 7 x 7 feet, electric. Dynamic balancing machine Ingersol Rand, up to 1000 pounds capacity. Load testing by dynamometer to 500 HP capacity. Fully equipped machine shop.

PORTS SERVICED: HOUSTON AND SURROUNDING AREAS, BEAUMONT, CORPUS CHRISTI, LAKE CHARLES, PORT ARTHUR, AS WELL AS OTHER US AND SOUTH AMERICAN PORTS.



RADIO MARINA DE VENEZUELA RADIO MARINA DE VENEZUELA

**Av.4 Bella Vista, Esquina Calle 72
C.C. Clodomira, Piso 1, Oficina 206
Maracaibo – Edo Zulia
Venezuela**

ISES contacts: Mr. Ibrahim Sierraalta (General Manager)
Mr. Ender Yari (Technical Manager)

Radio Marina de Venezuela is a Venezuelan company established in 1976.

The Company delivers High Quality Service to maintain and repair all communications and navigation equipment /systems on board: Radar, MH/ HF – VHF, Satellite Communication, GPS, Autopilots, Steering Systems, Oil Discharge System, DSC Systems, NBDP, ODME, SSAS, AIS, Gyro Compass, Echo Sounders, Speed Logs, EPIRB, Radar transponders, GMDSS & Safety Equipment, Intercom Systems, VDR and S-VDR.

Branch offices are strategically located, with expert engineers, at three of the most important Venezuelan ports: Maracaibo, Punto Fijo and Puerto la Cruz. From those vantage points it is possible to provide rapid service to the entire Venezuelan territory, neighbouring South American countries and the Caribbean 24 hours per day, 7 days a week.

Certified to perform Annual Performance Test on VDR and S-VDR for the following manufacturers: Rutter, Samsung, Netwave, Consilium, Broadgate, Furuno, Kelvin Hughes, JRC and STI

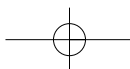
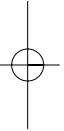
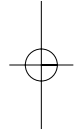
Approved to carry out Radio Survey by major classification societies: ABS, BV, DNV, Lloyds Register, GL, NKK and Rina.

Service /Sales Representations

Kelvin Hughes ● Japan Radio Company (JRC) ● Jotron ● Rutter Technologies ● Samsung Heavy Industries ● Selex Communications ● C.Plath ● Phonotech ● SAAB ● Simrad ● Sperry Marine ● Tokimec ● Yokogawa Denshikiki ● Zenitel ● Furuno ● Icom ● Raytheon-Anschuetz ● Sailor ● Zenitel ● Consilium and others

Tel:	+58 261 798 7811
Fax:	+58 261 798 2596
24 hours:	+58 414 361 8834
E-mail:	services@radiomarina.com.ve
	sales@radiomarina.com.ve
Internet:	www.radiomarina.com.ve

VENEZUELA



ISES AFFILIATE MEMBERS WHO SUPPLY MATERIALS AND EQUIPMENT TO THE MARINE INDUSTRY

CHINA

SAIERNICO ELECTRIC & AUTOMATION LTD

SAIERNICO ELECTRIC & AUTOMATION LTD
Dingmao Economic Development Zone
Zhenjiang, Jiangsu 212009
China

SaierNico
Electric & Automation

Tel No:	+86 511 8888 3508
Fax No:	+86 511 8888 2561
Email:	saiernico@saiernico.com
Internet:	www.saiernico.com

ISES Contacts : Sales/Service

Amanda Li E-mail: yifan@saiernico.com,
Zou Hongxu E-mail: hongxu@saiernico.com

Service

Xu Yang E-mail: aftersales@saiernico.com Tel: +86 511 8889 3603

SaierNico Europe A/S

E-mail: info-europe@saiernico.com Tel: +45 7454 0222 Fax: +45 7454 0223

Products : Marine switchboards & power management systems ● Bridge & Wing control consoles ● E/R control consoles ● Power/lighting system distribution boards ● Charging and discharging panels ● Group starter panels/single starters ● Shore connection boxes/test panels ● E/R alarm light columns ● E/R monitoring systems ● M/E remote control systems ● Tank level measuring systems ● Valve R/C systems ● Ship automation information platform ● Cargo control consoles ● Power station automation control systems ● Ship visual monitoring control systems ● Ship computer networks

SaierNico was founded in 1994 and specialises in designing and manufacturing marine switchboards and other electrical & automation products for ships and ocean engineering. Our switchboards have been used for many projects such as 400,000 DWT VLOCs, 176,000 DWT Bulk Carriers, 4,250 TEU Container Vessels, 114,000 DWT Crude Oil Tankers etc.

The company employs nearly 600 people and the factory covers an area of 26,700 m². In 2010, 286 shipsets of switchboard were delivered and sales of US\$40 million were realised. Every year since 2008 we have taken the lead in the Chinese market, and from 1994 to 2010 over 1,100 shipsets of switchboards have been delivered.

In order to strengthen our worldwide service capability in the European Region we have opened a branch company in Denmark – SaierNico Europe A/S.

Technicians are available 24 hours/day, 365 days a year.

PORTS SERVICED: All Chinese ports and other ports upon request.

SHANGHAI MARINE DIESEL ENGINE RESEARCH INSTITUTE

CHINA

SHANGHAI MARINE DIESEL ENGINE
RESEARCH INSTITUTE
No. 3111 Huaning Road,
Minhang District,
Shanghai,
China

Tel No:	+86-21-3131 0307
Fax No:	+86-21-5171 1737
Email:	zdh711@126.com
Internet:	www.csic-711.com

ISES Contacts : Sales/Service

Mrs Yu Zhen (Gigi) E-mail: yuzhen@csic-711.com
Tel: +86-21-3131 0307 Fax: +86-21-5171 1737

We can perform diagnosis, repair, renewal, testing and installation of the following Marine Automation Equipment: Engine remote control system ● Alarm & monitoring systems ● Power plant ● Power Management Systems (PMS) ● Fire detection alarm systems ● Safety systems ● Control systems for Controllable Pitch Propellers (CPP) ● Waterjets control systems

We can also offer the maintenance & service of the following equipment:

1. Auxiliary Engine/Power Plant :

- a) L20/27 V20/27 Genset, Power Plant, Propulsion Engine
- b) L16/24 Genset
- c) L21/31 Genset, Power Plant, Propulsion Engine

2. Seawater desalination plant, RO Plant

3. Highly flexible coupling

4. Isolator, silencer

SHANGHAI NSE CO. LTD.

SHANGHAI NSE CO. LTD.
Tang Zhen Industrial Zone,
Lane 4155, Long Dong Avenue,
Pudong, Shanghai, 201201,
China

Tel No:	+86-21-5858 4430/5858 4431
Fax No:	+86-21-5858 4332
Email:	guob@nse.net.cn
Internet:	www.nse.net.com

CHINA

ISES Contacts : Service
 Guo Bin Service Dept. Manager

Established in April 2002, originally the company's business was from shipyards in China supplying electrical switchboards. Since that time NSE is now recognised as an important supplier to shipyards and offshore industries in China and other parts of Asia such as Singapore, India, Vietnam and Korea.

NSE is a partner of Schneider Electric and a licensed panel builder for Schneider Electric China and Schneider Electric Singapore. Through our collaboration with Schneider Electric we are able to offer worldwide after sales service support and warranty coverage for our customers.

SHANGHAI SHIP & SHIPPING RESEARCH INSTITUTE
SHANGHAI SHIP & SHIPPING RESEARCH
INSTITUTE

600 Minsheng Road,
Shanghai 200135,
China.

Tel No:	+86 21 5885 1541
Fax No:	+86 21 5885 8422
Email:	service@sssri.com
Internet:	www.csme.com.cn

CHINA

ISES Contacts : Sales/Service
 Cao Junmin E-mail: sales @sssri.com / caojunmin @sssri.com
 Kenny Qian E-mail: service @sssri.com / qiankan @sssri.com

SSSRI was founded in 1962 as a unit reporting to the Ministry of Communications and in 2003 it underwent a restructuring as the Science & Technology Corporation under the State Owned Assets Administration.

The R&D efforts cover the development of new ships, transportation technology, marine engine control systems, navigation safety, telecommunications, environment engineering, port facilities, energy-saving technology etc. In addition SSSRI carries out certification, development, design, manufacture, new equipment as well as technology consultation and project contracting and supervision.

The Institute has been awarded Class A certificates on environment impact assessment, environment engineering, survey design and engineering consultation. Class B certificates have been awarded for architecture engineering design, construction supervision and facilities installation. In 1997 SSSRI passed ISO9000 certification.

PORTS SERVICED: We provide service for most major ports in China.

CHINA

ZHEJIANG XINYA ELECTRIC DEVELOPMENT CO. LTD.

ZHEJIANG XINYA ELECTRIC DEVELOPMENT CO. LTD.

Xinyuan Road, Yulong Village
Zhujiajian Street, Putuo District
Zhoushan City, Zhejiang Province
China

Tel No:	+86 580 3091119
Fax No:	+86 580 3091157
Email:	sales@xy-cd.com
Web:	www.xy-cd.com

ISES Contacts : Mr Peter Hu Email: hubin@xy-cd.com

The company was founded in 1982 specialising in marine low-voltage electrical appliances; they currently own one of the largest plants in China with an area of over 32,000 m2 with annual production of over 250 sets.

For many years they have been co-operating with Schneider and Samsung to develop new technology and expand business. So far Xinya products have been widely applied in the fields of petroleum platforms, ocean salvage vessels, oil tankers, chemical tankers, dredgers, bulk carriers, container vessels etc. in accordance with the rules of NK, CCS, DNV, LRS, GL, BV, ABS, RS, RINA and other International Classification Societies.

The Scope of Xinya Electric Solution

Ship Electrical Power System: MB301M switchboards licensed by Schneider Electric ● Main Switchboard ● Emergency Switchboard ● Local Group Starter Panel ● Individual Starter ● ZUPS.

Ship Automation System: Power Management System ● Alarm & Monitoring System ● Level Remote Gauging System.

Valve Remote Controlling System: Wheel House Control Console & Engine Room Control Console, DP System

PORTS SERVICED: With over 50 professional engineers for quality control, commissioning and after service we have provided services to customers at all Chinese Ports.

Sales Representations: 8 branch offices throughout China including Zhejiang Province, Shanghai City, Guangzhou City, Fujian Province, Jiangsu Province, Shandong Province, Hong Kong and Zhoushan Headquarters

EUROTECH SYSTEMS

INDIA

EUROTECH SYSTEMS
No.2/18, 2/19 Ravathur Road,
A.G. Pudhur,
Coimbatore-641 103,
Tamilnadu,
India

Tel:	+91 422 6504651/52
Fax:	+91 422 2910696
E-mail:	ceo@eurotechsystems.net
Internet:	www.eurotechsystems.net
Contact:	Mr G. Krishna Jumar,

Founded in 1979 by its CEO, Mr. K. Chandrasekar, Eurotech Systems provides on-site engineering solutions for machining and troubleshooting in Diesel Power Plants and Process industries such as Cement Plants, Chemical Plants, Steel Plants etc.

Through the on-site machining solutions offered by Eurotech came the development of portable machine tools which are light in weight and offer extremely accurate results under tight dimensional as well as geometric tolerances. Eurotech Systems have provided solutions which are approved by OEMs such as MAN, Mirlees, Blackstone and Rolls Royce.

Services offered include:

In-situ Crankshaft Grinding

In-situ Line Boring

Bed Plate Machining

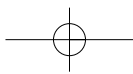
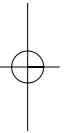
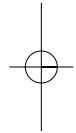
Metal Stitching

General in-situ Machining

Valve Seat Grinding Machines

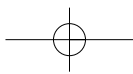
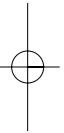
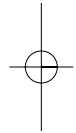


NOTES





NOTES



ELECTRICAL FORMULAE

OHMS LAW

- Ohms = Volts/Amperes ($R = E/I$)
- Amperes = Volts/Ohms ($I = E/R$)
- Volts = Amperes x Ohms ($E = IR$)

POWER - A-C CIRCUITS

- Efficiency = $\frac{746 \times \text{Output Horsepower}}{\text{Input Watts}}$
- Three-Phase Kilowatts = $\frac{\text{Volts} \times \text{Amperes} \times \text{Power Factor} \times 1.732}{1000}$
- Three-Phase Volt-Amperes = Volts x Amperes x 1.732
- Three-Phase Amperes = $\frac{746 \times \text{Horsepower}}{1.732 \times \text{Volts} \times \text{Efficiency} \times \text{Power Factor}}$
- Three-Phase Efficiency = $\frac{746 \times \text{Horsepower}}{\text{Volts} \times \text{Amperes} \times \text{Power Factor} \times 1.732}$
- Three-Phase Power Factor = $\frac{\text{Input Watts}}{\text{Volts} \times \text{Amperes} \times 1.732}$
- Single-Phase Kilowatts = $\frac{\text{Volts} \times \text{Amperes} \times \text{Power Factor}}{1000}$
- Single-Phase Amperes = $\frac{746 \times \text{Horsepower}}{\text{Volts} \times \text{Efficiency} \times \text{Power Factor}}$
- Single-Phase Efficiency = $\frac{746 \times \text{Horsepower}}{\text{Volts} \times \text{Amperes} \times \text{Power Factor}}$
- Single-Phase Power Factor = $\frac{\text{Input Watts}}{\text{Volts} \times \text{Amperes}}$
- Horsepower (3 Phase) = $\frac{\text{Volts} \times \text{Amperes} \times 1.732 \times \text{Efficiency} \times \text{Power Factor}}{746}$
- Horsepower (1 Phase) = $\frac{\text{Volts} \times \text{Amperes} \times \text{Efficiency} \times \text{Power Factor}}{746}$

POWER - D-C CIRCUITS

- Watts = Volts x Amperes ($W = EI$)
- Amperes = $\frac{\text{Watts}}{\text{Volts}}$ ($I = W/E$)
- Horsepower = $\frac{\text{Volts} \times \text{Amperes} \times \text{Efficiency}}{746}$

SPEED - A-C MACHINERY

$$\text{Synchronous RPM} = \frac{\text{Hertz} \times 120}{\text{Poles}}$$

$$\text{Percent Slip} = \frac{\text{Synchronous RPM} - \text{Full-Load RPM}}{\text{Synchronous RPM}} \times 100$$

MOTOR APPLICATION

$$\text{Torque (lb.-ft.)} = \frac{\text{Horsepower} \times 5250}{\text{RPM}}$$

$$\text{Horsepower} = \frac{\text{Torque (lb.-ft.)} \times \text{RPM}}{5250}$$

TIME FOR MOTOR TO REACH OPERATING SPEED (seconds)

$$\text{Seconds} = \frac{WK^2 \times \text{Speed Change}}{308 \times \text{Avg. Accelerating Torque}}$$

$$WK^2 = \text{Inertia of Rotor} + \text{Inertia of Load (lb.-ft.)}^2$$

$$\text{Average Accelerating Torque} = \frac{[(\text{FLT} + \text{BDT})/2] + \text{BDT} + \text{LRT}}{3}$$

FLT = Full-Load Torque BDT = Breakdown Torque
LRT = Locked-Rotor Torque

$$\text{Load } WK^2 \text{ (at motor shaft)} = \frac{WK^2 \text{ (Load)} \times \text{Load RPM}^2}{\text{Motor RPM}^2}$$

$$\text{SHAFT STRESS (P.S.I.)} = \frac{\text{HP} \times 321,000}{\text{RPM} \times \text{Shaft Diam.}^3}$$

PUMP MOTOR APPLICATION

$$\text{Horsepower} = \frac{\text{GPM} \times \text{Head in Feet} \times \text{Specific Gravity}}{3960 \times \text{Efficiency of Pump}}$$

Head in Feet = 2.31 P.S.I.G.

FAN AND BLOWER MOTOR APPLICATION

$$\text{Horsepower} = \frac{\text{CFM} \times \text{Pressure (lb./sq. ft.)}}{33000 \times \text{Efficiency}}$$

CONVERSION FACTORS

To Convert	Multiply By
Inches to centimetres (cm)	2.54
Centimetres to inches	0.3937
Feet to metres (m)	0.3048
Metres to feet (ft)	3.2808
Yards to metres (m)	0.9144
Metres to yards (yd)	1.0936
Miles to kilometres (km)	1.6093
Kilometres to miles	0.6214
Square inches to circular mils (circ mils)	1,273,240
Square inches to square millimetres (mm ²)	645.16
Square millimetres to square inches (inch ²)	0.00155
Square yards to square metres (m ²)	0.8361
Square metres to square yards (yd ²)	1.196
Hectares to acres	2.471
Acres to hectares	0.4047
Cubic inches to cubic centimetres (cm ³)	16.387
Cubic centimetres to cubic inches (inch ³)	0.061
Cubic yards to cubic metres (m ³)	0.7646
Cubic metres to cubic yards (yd ³)	1.308
Pounds to kilograms (kg)	0.4536
Kilograms to pounds (lb)	2.205
Tons (2240 lb) to kilograms (kg)	1016
Kilograms to tons (2240 lb)	0.00098
Ounces (avoirdupois) to grammes	28.35
Grammes to ounces (avoirdupois)	0.0353
Grains (troy) to grammes	0.0648
Grammes to grains (troy)	15.432
Gallons to litres	4.546
Litres to gallons	0.220
Horsepower to foot-pounds per minute (ft lb/min)	33,000
Watts to foot-pounds per minute (ft lb/min)	44.24
Horsepower to kilowatts (kW)	0.746
Horsepower to kilowatts (kW metric)	0.735
Kilowatts to horsepower (h.p.)	1.34
Kilowatts to horsepower (h.p. metric)	1.36
Atmospheres to lb per square inch (lb/inch ²)	14.68
Miles per hour to feet per minute (ft/min)	88.0
Land miles to nautical miles	0.8689
Nautical miles to land miles	1.1515
Temperature: F to C Subtract 32 and multiply by 5/9	
C to F Multiply by 9/5 and add 32	

INTERNATIONAL DIRECT DIALLING CODES

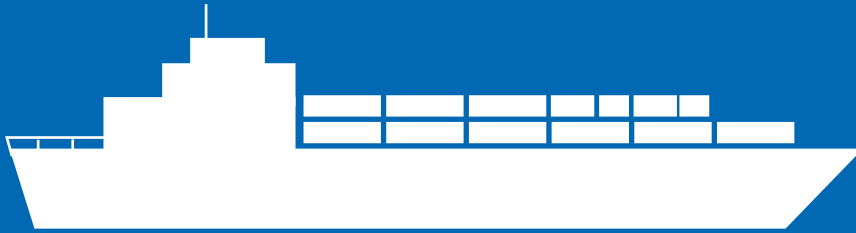
The following country codes are used for direct dialling from one country to another. For example, you first have to dial the **International access code**, followed by the country code to which the call is going, and then the internal code and exchange number for the person you wish to speak to.

	Country Code		Country Code		Country Code
Algeria	213	Hungary	36	Poland	48
Argentina	54	Iceland	354	Portugal	351
Australia	61	India	91	Russia	7
Austria	43	Indonesia	62	Saudi Arabia	966
Bahrain	973	Iran	98	Seychelles	248
Bangladesh	880	Iraq	964	Singapore	65
Belgium	32	Israel	972	Slovak Rep.	421
Bolivia	591	Italy	39	Solomon Is.	677
Botswana	267	Japan	81	South Africa	27
Brazil	55	Kenya	254	Spain	34
Bulgaria	359	Korea (South)	82	Sri Lanka	94
Cameroon	237	Kuwait	965	Sudan	249
Canada	1	Latvia	371	Swaziland	268
Chile	56	Lebanon	961	Sweden	46
China	86	Liberia	231	Switzerland	41
Colombia	57	Libya	218	Syria	963
Congo	242	Lithuania	370	Taiwan	886
Costa Rica	506	Luxembourg	352	Thailand	66
Croatia	385	Malawi	265	Trinidad & Tobago	1 868
Cyprus	357	Malaysia	60	Tunisia	216
Czech Rep	420	Malta	356	Turkey	90
Denmark	45	Mexico	52	Uganda	256
Ecuador	593	Monaco	377	Ukraine	380
Egypt	20	Morocco	212	United Arab Emirates	971
Estonia	372	Netherlands	31	U.K.	44
Finland	358	New Zealand	64	Uruguay	598
France	33	Niger	227	U.S.A.	1
Georgia	995	Nigeria	234	Venezuela	58
Germany	49	Norway	47	Yemen	967
Ghana	233	Oman	968	Yugoslavia	381
Gibraltar	350	Pakistan	92	Zaire	242
Greece	30	Panama	507	Zambia	260
Greenland	299	Peru	51	Zimbabwe	263
Hong Kong	852	Phillipines	63		



WORLD TIME ZONES





WORLDWIDE QUALITY SERVICE NETWORK

For the latest information on members details,
please consult our website:

www.isesassociation.com

International Ship Electrical and Engineering
Service Association (ISES) Ltd
Tel: +44-1635-298050 Mob: +44-7802-793483
Skype: ISES Limited
e-mail: secretariat@isesassociation.com