Our Services

Ship Management
Comprehensive Management
Safety management System (ISM code )
Security management (ISPS code )
HSE & Quality Management
Operational Management
Class and Flag Certification
Vessel registration, documentation and certification
Procurement and Logistics
Chartering
Drydocking, planning and attendance
Emergency Response Service
Lay-up process

Risk Management
Management & Leadership
Management of Change
Incident Investigation & Analysis
Environmental Management
Energy Management
Emergency Preparedness & Contingency planning
Measurement, Analysis and Improvement of Safety Performance
Best Industry Practices

Technical Management
Condition Assessment
Condition Monitoring
Maintenance Planning
Fault finding and Problem solving
Mobilization / Demobilization
Support
Major machinery overhauling and reconditioning

Technical Services
Consultancy services
Survey, Audit and Inspection Services
Vessel Condition Assessment
Pre-purchase Inspection
Casualty and Damage Investigation
ISM Audit
ISPS Audit
Flag Inspection

Support Services
National and International Codes / Rules /
Requirements Implementation
Flag Admin
ISM
ISPS
IBMS Polar Code
SPS
Insurance Claim
Transfer of Class
Quality Certification Support
DPA Services
CSO Services
Pre-purchase inspections, damage surveys and condition assessments
Budgeting, budget control, financial forecasts and variance reports

Crew Management
Recruiting
Coordination of manning offices and crewing needs for the vessel
Proactive communication with client
Mlc 2006 compliant
Training of crew
Accounting
Cost control
Follow up of Protection and Indemnity Insurance
Payroll service
Ensuring compliance according to industry standards (medical, visa, certificates)
Travel coordination

Ship New Building - Conversion & Repair
Project Management
Budget Management
Feasibility studies
Preliminary design
Detailed design
Structural design
Stability analysis
System design
Procurement
Classification Society Plan Approval
ShipYard Plan Approval
ShipYard Supervision
Sea Trials

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Offshore Mining Industry

The Mining Fleet
Argo S.r.l. has been confirmed as Ship Manager for the three vessels of the Offshore Mining Fleet and cooperate with the Technical Management of the ROSC and Minerals Mining Processing Plant.

The Survey Vessel DP STAR 2009

The DNV Emergency Response and Rescue Vessel, namely Grampian Star, is converted into the RINA Research Ship, namely DP Star.
LOA=45mt; B=9.2mt; DP1 Class

Concept Design
Detailed Design
Structural Analysis
Class plan approval
Shipyard supervision
Commissioning
DP system Integration: Kongsberg C-Pos
Survey Equipment installation:
- Multibeam KM EM 710
- Topas KM PS40
- Hi-Pap KM HP500
- Echo-Sounder KM EA400

The Sampling Vessel THE EXPLORER 2010

The LR vessel, namely Trenchsetter, is converted into the Rina Supply Vessel, namely The Explorer, operating as Sampling Vessel equipped with the RODT (Remotely Operated Drilling Tool) and the Minerals Mining Processing.
LOA=114.4mt; B=19.6mt; DP2 Class

DP system Integration: Kongsberg K-Pos
RODT - Installation and Commissioning
LARS - Installation and Commissioning
PLANT - Installation and Commissioning
RODT: 160 T weight, 2.5 mtr diameter drilling tower, 12 mtr drilling depth, 500 Kw Hydr Power Unit, 500 Kw Jvt Pump Unit,... up to 71 samples / day
LARS: 2 x 100T main hoist winch, D64 mm main hoist wire, 2 x 15T guide winch, D36 mm guide wire, 1 x 35T slurry winch, D300 mm slurry hoses
PLANT: Prep section - DMS section - Recovery section

The Mining Vessel YA TOIVO 2001

The Seabed Operations Vessel of the Royal Navy, namely HMS Challenger, converted in 1999 to the Rina Supply Vessel, namely Ya Toivo, operating as Mining Vessel equipped with the ROSC (Remotely Operated Seabed Crawler), the LARS (Launch and Recovery System), the Minerals Mining Processing Plant, is recommissioned after a laid-up period.
LOA=149.5mt; B=24mt; DP3 Class

ROSC - Installation and Commissioning
LARS - Installation and Commissioning
PLANT - Installation and Commissioning
ROSC: 285 T weight, 2400 Kw Dredge pump, 500 Kw Hydr Power Unit, 500 Kw Jet Pump unit up to 15 000 m2 mined / day
LARS: 1 x 450T main hoist winch, D600 mm slurry hoses
PLANT: Prep section - DMS section - Recovery section ... 9200 m3/h slurry processing capacity

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Offshore Oil & Gas Industry

The Offshore Fleet

The Company as from the beginning of its foundation has demonstrated high skills in managing Offshore vessels operating in the Oil and Gas Industry assuring Safe, Quality and Efficient solutions to satisfy customers needs giving support services during both planning and operating phases of production units. Here below some of our services performed:

- support to air diving and ROV operations
- support to geophysical and geotechnical ROV survey operations
- support to handing survey equipment testing
- support to accommodations duties
- support to seismic survey
- support to inspection and recovery objects
- support to multibeam survey-support to trenching and cable repair work
- support testing/trials of new equipment

We can say that our customers have been always satisfied for both cost and time wise.

The Supply Vessel DP REEL / DP2

VESSEL FOR SURVEY, LIGHT CONSTRUCTION, ROV, DIVING AND MAINTENANCE SERVICES. THE DP REEL IS ALSO EQUIPPED WITH A HYDRAMARINE KNUCLE CRANE OF 50 TONS (2000 MT WIRE) INSTALLED DURING THE 2005 CONVERSION.

Main particulars:
Vessel Built Apr. 1976 Smedvik Mek Verilksted AS, Norway
LOA 90.52 m
Breadth 18.00 m
Depth 7.10 m
Draft max 4.50 m
GT/NT 3186/955 t
Classification RINA C X Supply Vessel Unrestricted navigation
Additionnal Class notation X AUT-UMS; X DYNAPOS AM/ AT R

The Supply Vessel DP HUNTER / DP2

VESSEL FOR SURVEY, LIGHT CONSTRUCTION, ROV, DIVING AND MAINTENANCE SERVICES.

Main particulars:
Built 1978 Singapore
Vessel Conversion 2002 Poland
LOA 104 mt
LBP 95.2 mt
Breadth 18.8 mt
Depth 6.7 mt
Draft Summer Freeboard 4.57 mt
Classification RINA C Supply Vessel; Unrestr. Navigat. Dynapos AM/AT R, Eli

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The Offshore Wind Fleet

The Company has a long tradition and high knowhow in managing off shore vessels operating in the wind farm industry with successful performance and full satisfaction of customers needs who operates in a cutting edge sector where one of the most important part is played by safe managing wind vessels. We have always had absolute control over our work practices ensuring the highest standards of safety and quality of our services: We have been involved in a number of significant wind projects worldwide managing vessels used for:

- Transport of personnel
- Transport of equipment
- Transfer of fuel
- Transfer of cargo and equipment with vessels’ own cranes
- Use as a dive platform
- Hydrographic survey
- Subsea equipment deployment

Types of industry
We provide support for a range of offshore projects, including:

- Offshore windfarm construction
- Wind farm cable laying operations
- Wind turbine operation and maintenance
- Offshore energy installation, operation and maintenance

The Supply Vessel DP CIRRUS

Vessel For Survey, Light Construction, ROV, Diving and Maintenance Services.
In 2015 the Vessel was extensively upgraded and fitted, to include new accommodation, new Kongsberg DP2 system, new HIPAP and new Deck Crane designed by ARGO's Technical Department.

<table>
<thead>
<tr>
<th>Type</th>
<th>UT 705</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vessel Built</td>
<td>1985</td>
</tr>
<tr>
<td>Builder/Yard</td>
<td>A M Liaaen A/S Norway</td>
</tr>
<tr>
<td>Vessel Upgraded/Converted</td>
<td>2015</td>
</tr>
<tr>
<td>LOA</td>
<td>80.77 m</td>
</tr>
<tr>
<td>Breadth</td>
<td>18.00 m</td>
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<tr>
<td>Depth</td>
<td>7.10 m</td>
</tr>
<tr>
<td>Draft max</td>
<td>4.95+2.10 m (Azim. Thrusters)</td>
</tr>
<tr>
<td>GT/NT</td>
<td>2825/847 t</td>
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</tbody>
</table>

Classification: RINA C XSupply Vessel - Standby - Rescue Research Ship
Unrestricted Navigation
Additional Class notation: X AUT-UMS; X DYNAPOS AM/AT
Additional Certification: Special Purpose Ship in compliance with resolution A.534(13)

The Supply Vessel SENTINEL

Vessel for Survey, light construction, ROV, Diving and maintenance services. During 2009 the vessel has been extensively upgraded and fitted, inter alia, with new accommodation, new main engines, new Kongsberg DP2 system and new aft deck.

Main particulars:

<table>
<thead>
<tr>
<th>Builder</th>
<th>Ferguson Brothers Ltd (UK)</th>
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<tbody>
<tr>
<td>Built</td>
<td>1971</td>
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<tr>
<td>Vessel Conversion</td>
<td>1999, 2009</td>
</tr>
<tr>
<td>LOA</td>
<td>68.25 mt</td>
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<tr>
<td>LBP</td>
<td>60.96 mt</td>
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<tr>
<td>Breadth</td>
<td>13.41 mt</td>
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<tr>
<td>Depth</td>
<td>7.16 mt</td>
</tr>
<tr>
<td>Draft Summer Freeboard</td>
<td>4.57 mt</td>
</tr>
</tbody>
</table>

Classification: R.J.Na. 100 A 1.1, AP, ST
Unrestricted Nav. Dynapos AM/AT R
Management of Polar Research and Logistic Ships

The Polar Experience
The Company has achieved high expertise in the management of Research Ship Operating in Polar Waters, she has collaborated with the Public Institution ENEA for the PNRA (the Italian National Research Program in Antarctica) managing 23 campaigns of the MV Italica (Diamar srl ship-owner) who reached the Italian Station "Mario Zucchelli" on terra Nova Bay in the Ross Sea always with great success and full client satisfaction. The Company has also collaborated with the Public National Institute of Oceanography and Applied Geophysics (OGS) managing its own vessel Mv OGS Explora while conducting research in the polar field (Arctic campaign at the Svalbard Island) in collaboration with Italian and foreign universities and institutions. The Company has also managed the research vessel OGS Explora for her last going back to Antarctica for XXXII Italian expedition (2017-2018) of the National Antarctic Research Program (PNRA) funded by the Ministry of Education, University and Research (MIUR).

The Research Vessel LAURA BASSI
LAURA BASSI is an Polar Research/Subsea Support Vessel certified as capable of navigating, collecting data in a polar environment, transport of logistic materials and Jet-A1

Built by: Kverner Kleven Leirvik, Norway 1995
Owner: Istituto Nazionale di Oceanografia e di Geofisica Sperimentale – OGS
Flag: Italy
IMO number: 9114256
Call Sign: IBDS
Port/No: Trieste

Dimensions
Length o.a. 80.00 m
Length b.p. 72.40 m
Breadth mld. 17.00 m
Depth mld. (to B-deck) 8.55 m
Draught Scantl. 6.85 m
DWT 1910 tonnes
Rated Power: 2 x 2650 kW/720 rpm

The Research Vessel ITALICA
ITALICA is an ocean-going multi-purpose research vessel certified as capable of navigating, collecting data in a polar environment, transport of logistic materials and Jet-A1.

Dimensions
LOA 130,30 mt
Breadth 17,30 mt
Depth 8,50 mt
Draft 6,9 mt
Gross Tonnage 5825
Net tonnage 2473
Accommodation: 90

The Research Vessel OGS EXPLORA
OGS EXPLORA is an ocean-going multi-purpose research vessel certified as capable of navigating and collecting data in a polar environment.

Built by: Elsflether Werft A.G., Germany 1973
Owner: Istituto Nazionale di Oceanografia e di Geofisica Sperimentale – OGS
Flag: Italy
IMO number: 7310868
Call Sign: IXWQ
Port/No: Trieste

Gross Tonnage: 1408 GT
Net Tonnage: 422 NT
Overall Length: 72,62 m
Moulded Breadth: 11,80 m
Moulded Depth: 6,55 m
Free Board: 2154 mm
Draft: 4,80 m
Displacement 1845 t
Scientific and Research Activities

The Research Fleet

The Company has also achieved high experience in managing Research Ships for marine biology. She has managed the coastal research vessel for scuba diving and sampling Mv Vettoria owned by the Stazione Zoologica Anton Dohrn (SZN), Italian public research centre, operated under the auspices of the Italian ministry of research and education.

Among the other collaboration with Public Institute, the Company is currently managing the MV Astrea owned by the The Italian National Institute for Environmental Protection and Research (ISPRA), a public legal entity subject to the vigilance of the Italian Ministry for the Environment, Territory and Sea. The vessel M/V ASTREA endowed with multibeam, to obtain bathymetric data and the backscatter of the seabed as well as with a ROV equipped with an underwater positioning system USBL (Ultra Short Base Line System) TracLink 1500 MA interfaced with the on-board navigation system (gyro and differential GPS) and with the main tools to collect marine samples (sediment, water and biota).

The Research Vessel ASTREA

Oceanographic research vessel for biology, chemistry and physics.
- surface and depth data collection (CTD, continuous water sampling, ADCP, depth sounder, hydrophones)
- trailer and use of ROVs, AUVs, oceanographic buoys and currents
- transport and use of an auxiliary boat
- support for operations with divers
- Implementation and use of scientific, pelagic and background fishing nets
- precision navigation for long periods and at low speed

Loa= 23.7mt
B= 6.1mt
T=1.1mt
GT= 49.32
NT= 31.48
Engine= 2x735kW MAN
Class= 100 A. 1.1. nav.s. st.

The Research Vessel VETTORIA

Research vessel for scuba diving and sampling built in fiberglass in 1993.
Instruments: GPS, Radar, echo sounder, SBE 911Plus Multi-parameter, A-Frame with double drum winch, Carousell SBE.

Loa= 19.1mt
B= 5.9mt
T=0.9mt
GT= 49.32
NT= 31.48
Engine= 2x206kW FIAT-IVECO 828M
Class= 100-A.1.1-Nav NC - St