

OFFSHORE CONSTRUCTION SUPPORT



The Global Force with a Personal Touch



EGS is an independent leading international group of marine survey companies which has offices in Asia, Australia, Americas and the United Kingdom. EGS provides global specialist multi-disciplinary support to the offshore construction, oil & gas, telecommunications, power, mining industries. The Group employs more than three hundred and fifty staff worldwide from the fields of surveying, oceanography, environment, engineering, electronics, geophysics and the marine environment.

EGS offers a full range of construction survey, project management and inspection capabilities including:

- Construction Barge and AHT Positioning
- High Accuracy Subsea Positioning (USBL, LBL, INS)
- Dimensional Control Surveys
- ROV Positioning and Inspection Support
- Data Management Services
- Customised Software Development
- Fabrication Facilities
- Oceanographic Services
- Environmental Monitoring

The EGS Group

Australia, Hong Kong, Indonesia, Kazakhstan, Malaysia, Philippines, Singapore, United Arab Emirates, United Kingdom, United States, Vietnam

OFFSHORE CONSTRUCTION SUPPORT

CONSTRUCTION BARGE & AHT POSITIONING

EGS offers marine construction contractors various different options for construction barge positioning including stand-alone vessel positioning and remote anchor management systems.

Using high accuracy Differential GPS positioning and heading systems installed on both the barge and anchor handling vessels, EGS provides a safe, reliable and cost effective solution. With the addition of a broadband connection on the barge, a remote link can be setup allowing remote monitoring and QC from the shore base office.



HIGH ACCURACY SUBSEA POSITIONING

In addition to high accuracy surface vessel positioning, EGS owns a range of acoustic tracking and measurement equipment, that can be seamlessly integrated into the barge or installation vessel's survey systems.

Combined together, Ultra Short Baseline (USBL) and Long Baseline (LBL) equipment provide a high accuracy solution for subsea positioning including ROV operations, diver-less metrology and spool piece design. For high accuracy positioning of ROV in deepwater environments, Inertial Navigation Systems (INS) can be integrated with LBL and other sensors to provide a solution to ensure the client's specifications are achieved.



CUSTOMISED SOFTWARE DEVELOPMENT

We have a team of experienced software developers who have successfully developed a variety of geophysical, positioning and inspection software.

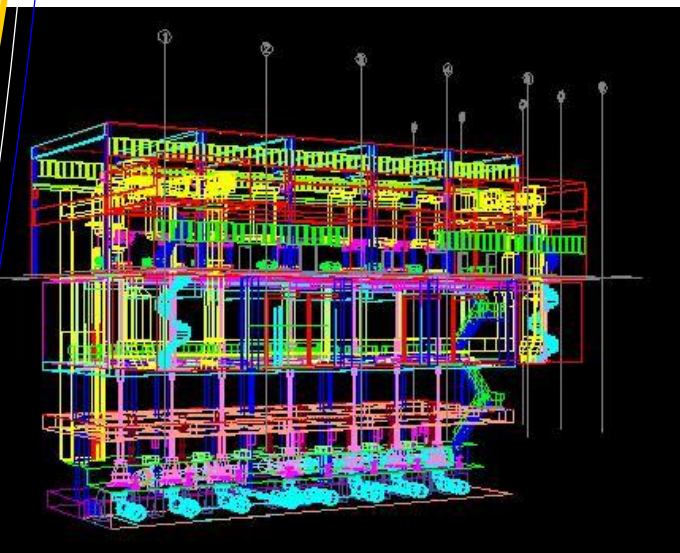
Our software developers can rapidly respond to meet the needs of client specific and unique requirements.

DIMENSIONAL CONTROL SURVEY

EGS can provide experienced survey teams to conduct dimensional control surveys on offshore structures and vessels, to ensure the client's specifications on fabrication tolerances are achieved when installed in the field. EGS also operates laser scanners.

"An EGS differentiator lies in the fact that typically more than 90% of our staff are full time employees with less than 10% from the freelance market, this enables staff continuity from project inception to the issuing of the final deliverables"

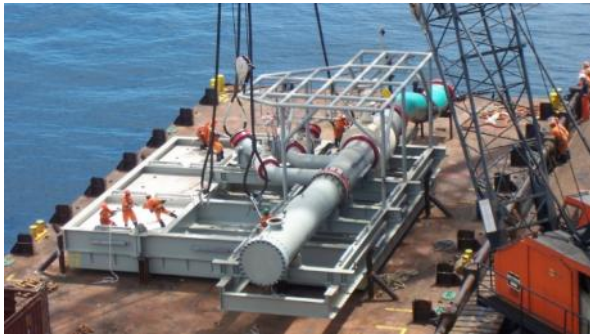
Graham Evans, EGS Business Development Director



ROV INSPECTION SERVICES

EGS has extensive experience providing ROV support services, for various oilfield tasks including Inspection, Repair and Maintenance (IRM) activities.

Using surface and subsea positioning equipment such as DGPS and USBL, EGS can provide a reliable solution for vehicle tracking and positioning. In addition to positioning, EGS offers inspection data acquisition and management .



OCEANOGRAPHIC SERVICES

Using industry-standard state of the art equipment, EGS measures a range of oceanographic parameters, all of which are important both for design and operational purposes.

Oceanographic measurements can be made in real-time in water depths ranging from coastal areas to full ocean depth.

Measured parameters typically include:

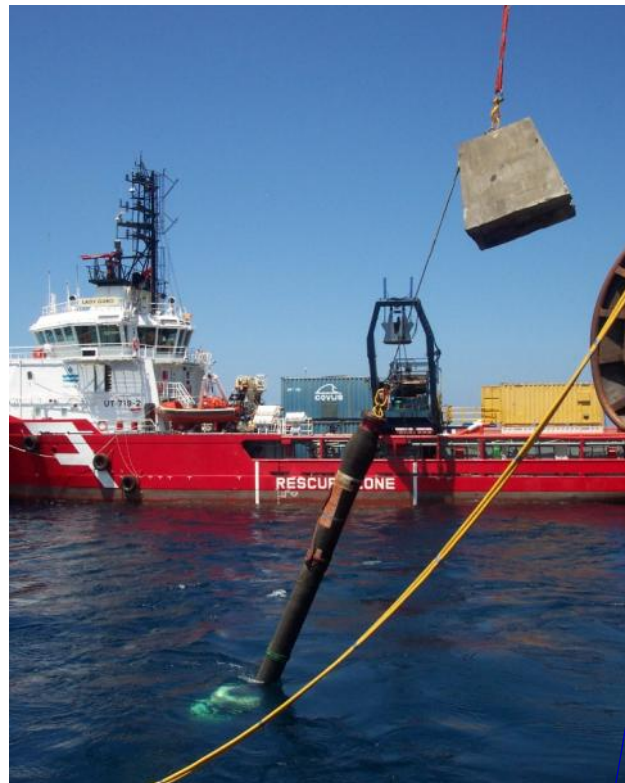
- Waves
- Currents
- Tides / Water level

ENVIRONMENTAL MONITORING

Environmental monitoring is used in the preparation of environmental impact assessments but also during dredging and construction projects.

In addition to its expertise in feasibility studies and environmental impact assessments, EGS can provide the following environmental monitoring services with near real-time results:

- Underwater noise monitoring
- Water quality sampling
- Suspended sediment tracking



CONSTRUCTION SUPPORT

STATE OF THE ART EQUIPMENT

EGS has a substantial asset portfolio comprising modern state of the art equipment, including:

- Veripos DGPS + Verify QC
- Qinsy Survey Software
- UHF / VHF Radio Telemetry Modems
- Multibeam Echosounder
- Side Scan Sonar
- Inertial Navigation Systems (INS)
- Meridian Survey Gyrocompass
- Sonardyne Fusion / Ranger USBL
- Sonardyne LBL Compatts
- Sonardyne ROVNav
- Valeport Sound Velocity Profilers

However EGS's main asset is its highly trained workforce, with experience in carrying out survey work in all parts of the world. The workforce of EGS comprises more than 350 skilled personnel. Personnel are drawn from the following professions:

- Hydrographic Surveying
- Geodesy
- Topographic Surveying
- Oceanography
- Environmental Sciences
- Electronics
- Computing and Software Development
- Geotechnical Engineering

EGS also provides a complete metal-work fabrication service. Our skilled team of fabricators and welders, allow us to develop solutions tailored to the clients individual requirements. Examples include subsea frames for geotechnical and metrology applications.



The Global Force with a Personal Touch

Our offices throughout the World



Visit our website for more information:

www.egssurvey.com

EGS is present in the following countries:

Australia, Hong Kong, Indonesia, Kazakhstan, Malaysia, Philippines, Singapore, United Arab Emirates, United Kingdom, United States, Vietnam