



EGS is an independent leading international group of marine survey companies which has offices in Asia, the Middle East, 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 provides Metocean and Environmental services in all kind of environments being shallow rivers or deep oceans. In the coastal environment, EGS's services range from dispersion and dilution studies for a proposed or existing outfall, through to major integrated studies designed to characterize the metocean environment and the resulting seabed response.

In the oceanic environment, EGS undertakes investigations for oil and gas exploration, dredging operations and offshore constructions including benthic and water sampling, long-term real-time weather, sea state and pack ice monitoring through bespoke web applications, tide and current measurements as well as underwater noise monitoring.

EGS employs a number of qualified oceanographers capable of producing high quality reports under ever shorter deadlines. EGS owns a large spread of oceanographic equipment and also offers customized integrated oceanographic sensors through its very active R&D department.

The EGS Group

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

METOCEAN & ENVIRONMENTAL SERVICES

MULTI-PARAMETER DATA COLLECTION

Dynamic multi-parameter data collection and transmission enables a clear picture of the environmental processes at work. Data collection throughout the entire water column, followed by modeling or other analyses allows for potential impacts to be accurately predicted and construction operations to be monitored in real time.

The following parameters can be measured:

- Temperature
- Salinity (density)
- Turbidity and sediment load
- pH
- Dye tracing (typically Rhodamine WT)
- Dissolved Oxygen
- Chlorophyll-A
- Current Velocity

Multi-parameter instruments enable a real time simultaneous display of all sensor data with navigation overlay.

UNDER WATER NOISE MONITORING

Calibrated hydrophones are used to measure underwater sounds including: ship's noise, marine construction and listening to marine mammals. Results can be presented as time displays; sound pressure density spectrum levels (dB re $1\mu\text{Pa}^2/\text{Hz}$), or sonograms.

METOCEAN MONITORING

EGS offers long term onshore and offshore operations and maintenance of meteorological stations to record atmospheric parameters, water levels, tides, currents, waves using state of the art oceanographic and meteorological sensors .

EGS offers real-time data display through bespoke web applications. Data is then used by scientific communities for modeling or by private companies to plan for future developments.

EGS also developed an in house Ice probe which, when embedded in the ice, measures the temperature profile vertically through the ice as it melts, allowing acquisition of valuable physical properties of weather, ocean and ice movements.

BENTHIC SAMPLING

EGS provides benthic sampling services in coastal and deep water environments using box corers and grab sampler. Benthic sampling are carried out to establish an inventory of the flora and fauna at a point in time before, during and after construction works.



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*