



Geostar Surveys L.L.C.



In-depth Insights



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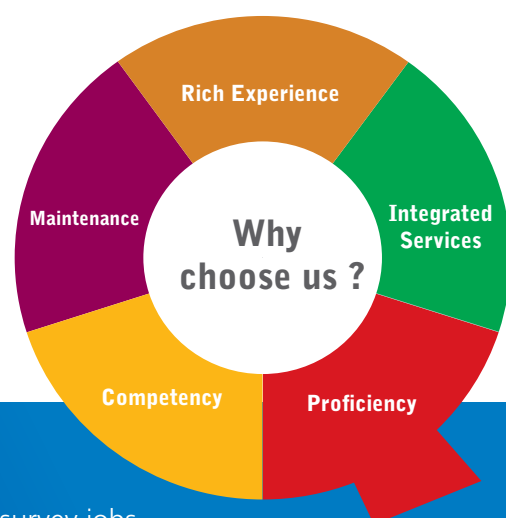


About Us

Headquartered in the UAE, Geostar Surveys LLC provide multi-disciplinary marine survey support. We deliver solutions to the oil and gas, renewable energy, telecommunications and marine infrastructure market sectors. We offer a comprehensive range of quality marine services, including hydrographic, geophysical, geotechnical, environmental and oceanographic surveys to clients across Middle East Asia and India.

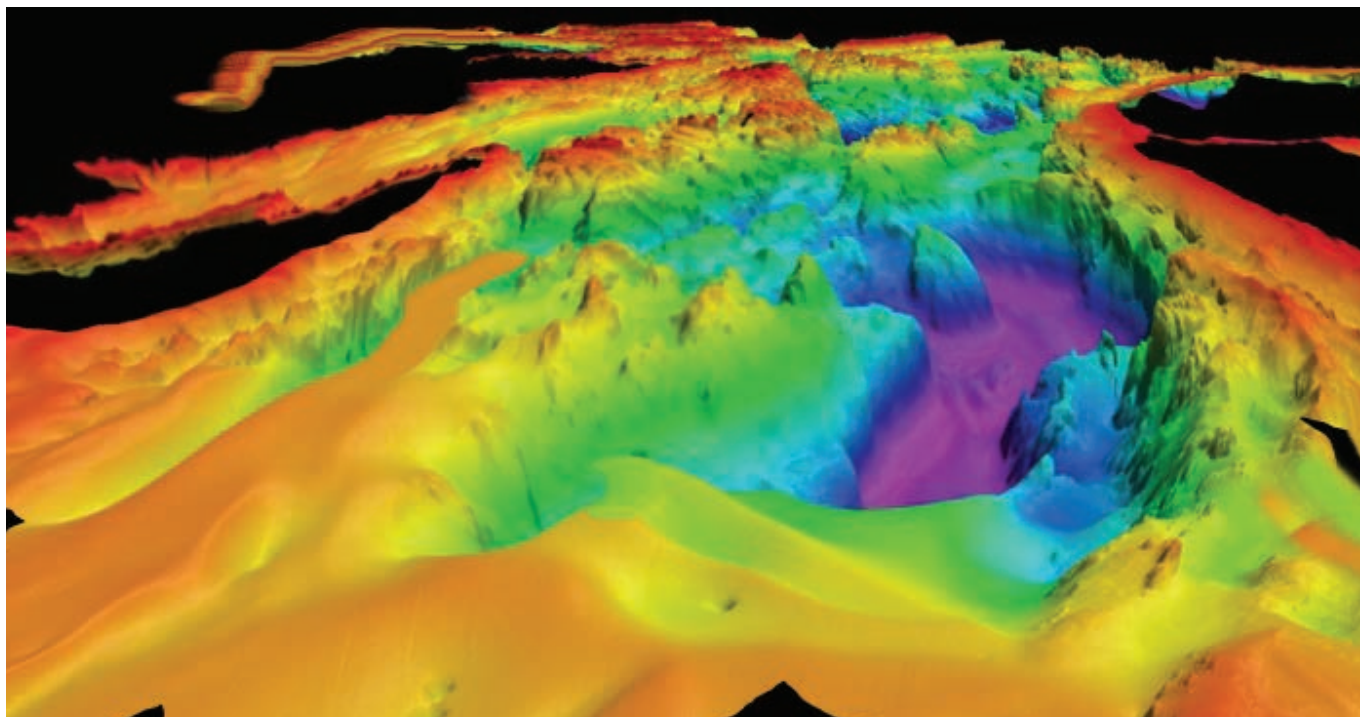
Our skilled teams support every stage of offshore and nearshore projects with industry-leading equipment and assets including vessels, boats, bathymetric and geophysical spreads, ROVs, SEPs and geotechnical drill rigs.

GEOSTAR brings you exceptional understanding and expertise that comes with vast experience of handling technically demanding and complex geo-survey projects around the world. Our know-how helps our clients to optimise the reliability, utilisation and longevity of the assets they construct.



Why choose us?

- Rich experience and exposure to a wide variety of survey jobs
- Ability to provide a range of Integrated Services
- Proficiency in rendering consistent high-quality value-added survey services
- Competency to provide focussed advice, timely responses, innovative and efficient solutions
- Maintenance of the highest professional standards



Our Services

Hydrographic and Geophysical Survey

Delivering Project Critical Data Using the Most Advanced Sensors and Equipment Systems

Vessels Utilised by GEOSTAR:

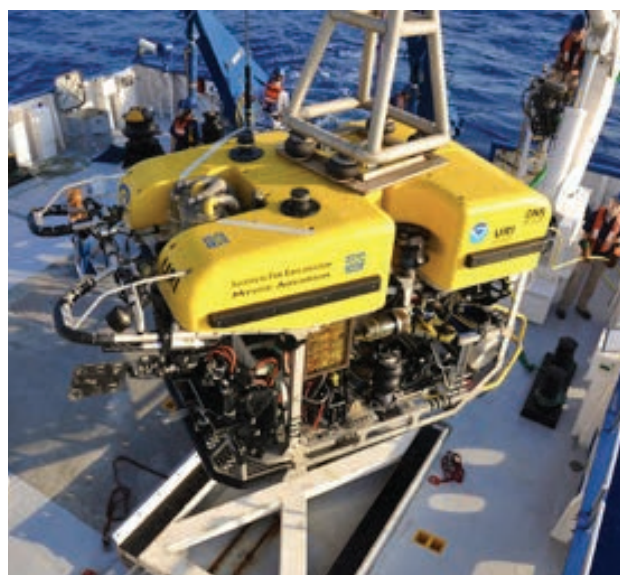
- Vessel mounted MBES (Multi-Beam Echo-Sounder) and SBES (Single-Beam Echo-Sounder)
- Towed SSS (Side Scan Sonar)
- SBP (Sub-Bottom Profiling)
- Magnetometer
- USBL (Ultra-Short Baseline) tracking
- ROV

Clients receive site investigation or route pre-lay survey reports, charts, detailed data and images of the areas surveyed. This information is ideally suited to pre-FEED/FEED for surface and subsea construction.

GEOSTAR utilises Survey Spreads that provide the following Geophysical surveys:

- Reconnaissance surveys
- Route surveys for cable and pipeline pre-engineering, pre-construction, as-laid and as-built

- Analogue and digital 2D/Hi-resolution geophysical site surveys for exploratory rigs and jacket/platform installation
- Bathymetry surveys (including ports and harbours, pre and post dredging)
- Deep water AUV surveys





Marine Geotechnical Services

We supply complete geotechnical solutions utilising offshore heave compensated drilling, seabed sampling and in-situ testing services from the near shore to in-excess of a 2500m water depth. We provide an integrated data acquisition and consultancy service to our clients using state-of-the-art equipment and experienced, dedicated personnel. We work in a wide range of industries, including oil and gas, renewable energy, telecom, government civil engineering and dredging.

Offshore Geotechnical Solutions

Our objective is to provide a high quality, bespoke, responsive and cost-effective service to address the rigorous demands of the offshore environment. We have a wide capability of reporting, ranging from pre-field work desk studies, to post-acquisition geotechnical engineering.

Our Geotechnical Capabilities Include:

- Jack up leg penetration analysis
- Pile capacity analysis
- Drivability analysis
- Mudmat analysis
- Spudcan-pile interaction
- Soil corrosion analysis
- Pile group effect
- Anchor holding and embedment
- Pipeline trench-ability and analysis
- Self Elevating Platforms (SEPs)



Fully integrated Geotechnical Capability

An optimised solution from our suite of sampling and soil analysis tools can provide a bespoke solution for your individual project, from the initial planning stage to final analysis of results in order to facilitate key decisions for future planning. We provide fully integrated, turn-key solutions and we are a one-stop-shop for your project requirements.



Rig and Barge Positioning

Precise positioning in the most demanding locations around the globe

The Geostar team utilises real-time navigation systems to execute successful rig moves, barge positioning during pipeline and jacket installations, dredging and diving support, generating coordinates and positioning updates using Global Positioning Systems (GPS) and rig headings using gyro equipment.

These technologies interface with our navigation software to produce real-time viewing of rig/barge/vessel movement.

Our telemetry systems allow for instantaneous communication and tracking of support vessels as well as precise anchor positioning on the seabed. Acoustic transponders may also be employed to facilitate rig moves.

We provide a dedicated project manager to work closely with your drilling operations team. A full technical review will be undertaken at the project planning phase to ensure most appropriate and cost-effective systems are selected.





Construction Support

Facilitating an Entire Range of Marine installations and Construction Processes

Geostar provides precise measurement and survey services for construction support during installation, inspection, repair and maintenance of offshore structures as well as pipelines/cables and seabed production facilities. Safe and successful offshore construction operations rely on precise, assured and reliable data concerning surface and subsurface locations and status. GEOSTAR provides comprehensive offshore field development, construction support, and pipeline/cable survey services designed to meet specific offshore construction requirements.

We support the installation of drilling assets, offshore structures, production facilities, pipelines and cables.



Our Capabilities Include:

- Drilling rig positioning
- Vessel and subsea positioning
- Remote survey services
- Cable-lay support
- Pipe-lay support
- Pipeline and cable surveys (as laid, depth of burial, as built)
- Jacket, pile and topside positioning



IRM Support

GEOSTAR's Inspection, Repair and Maintenance (IRM) support surveys incorporating inspection engineering and software capabilities that can be tailored to clients' specific needs:

- Subsea video and data acquisition
- Repair and maintenance planning and execution
- Data management and hosting

Acquired data can be turned into information listings that meet specific requirements. . It allows year-on-year comparisons and submissions to regulatory authorities. Listings can include key information such as length (start and end) of span and any apparent change of position.

Our range of IRM services include:

- Inspections using ROV or Diving team
- Pipeline inspections using ROV, AUV
- Seabed site inspections
- Cathodic protection surveys
- Flooded member inspections
- ACFM, Eddy current and various other NDT inspections
- Repair and maintenance planning and execution utilising in-house engineering

Oceanographic Studies

GEOSTAR utilises Tide Gauges, 2D Current Meters, Acoustic Doppler Current Profilers (ADCP), Anemometers etc. that provide the following oceanographic studies to support services that encompass all stages of an offshore or coastal development and to fulfil engineering requirements:

- Currents • Tides • Waves • Winds





Equipment & Software



Acoustic Positioning



Compact Motion Sensor



ADCP



Data Processing



Dual Frequency Echo Sounder



Differential Global Positioning System (DGPS)



Multibeam Echosounder



Digital Side Scan Sonar



High Accuracy Heading Unit



Magnetometer



Sub Bottom Profiler



Total Station

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