



Senior Geophysicist

TerranearPMC, LLC (TPMC) is a growing, full service environmental and alternative energy consulting company seeking a full-time Senior Geophysicist to support our Geophysical and Environmental Services Departments. This position may be based out of the Los Alamos, NM office, however alternate work locations near other TPMC offices in Albuquerque NM, Exton PA, Ft. Worth TX, and Pensacola, FL may be considered. Relocation assistance may be provided.

Job Description

The Senior Geophysicist will support Technical and Quality Management roles for projects within company Geophysics group primarily related to Advance Geophysical Classification (AGC) projects that support Military Munitions Response Program (MMRP) investigation and remediation projects, as well as pre-construction digital geophysical mapping (DGM) surveys for various commercial and federal clients. The Senior Geophysicist will also perform office related tasks including work plan preparation, report writing, data analysis, and quality program support. The Senior Geophysicist will also assist with training, mentorship and development of current and new geophysics department staff under the direction of the Geophysics Group Technical manager and AGC Program Manager. This position is considered an office position that will support technical aspects of proposal development, project planning, execution, and reporting, however there may be opportunities for some field work and project management tasks if the need or desire arises.

Primary duties and responsibilities for this position include:

Required Experience and Qualifications

- Four-year degree in geophysics, geology, geological engineering, or a closely related field
- A minimum of 5 years of professional experience directly related to the geophysical mapping, detection, and discrimination of buried military munitions
- Experience collecting and processing geophysical field data with the EM61-MK2, EM31-MK2, or advanced EMI sensors including APEX and MetalMapper 2x2
- Experience with RTK GPS or LiDAR based positional (SLAM) data acquisition
- Experience as a geophysics Field Team Leader
- Strong written and oral communication skills
- Qualified for the roles of Project Geophysicist and Quality Control Geophysicist
- Previous experience with both traditional DGM and AGC processes and sensors (APEX, Metal Mapper, MPV, Ultra TEM, etc.)
- Experience processing AGC data with UX-Analyze and/or other software.
- Knowledge of the MR-QAPP Toolkit Modules and other applicable industry guidance documents and instructions related to the design and implementation of geophysical MEC characterization and removal actions

- Ability to develop well written technical approaches, reports, and correspondence to effectively communicate within project teams
- High level of proficiency using all Microsoft applications that include Word, Excel, Access, Power Point, SharePoint, Outlook, and Teams
- Proficiency with GIS, VSP, Geosoft UXO Land & UX-Analyze, and other applicable software and programs
- Valid U.S. Driver's License
- Must be able to obtain and maintain military base pass as required
- Will be required to obtain OSHA 40-hour HAZWOPER training upon start (at company expense)
- Extensive travel to field sites required, depending on the workload up to 30% travel, but generally less than 20% travel.

Desirable Qualifications

- MS in Geophysics or related field
- Current 40-hr HAZWOPER training with 8-hr annual refresher
- Experience using ArcGIS Survey123 and Field Maps for data collection
- Experience processing geophysical data with Geosoft's Oasis Montaj (including UX-Analyze) or other software (MatLab or Python based software is considered a plus)
- Project Management Professional certificate or project management experience

Responsibilities

- The Senior Geophysicist will be integrated into all phases of proposal preparation, project execution, and report development
- Serve in the roles of Quality Control Geophysicist and/or Project Geophysicist
- On smaller projects, also serve as the Project Manager
- Processing EM61-MK2, EM-31, G-858, data using Geosoft's Oasis montaj software
- Processing APEX data using EMClass software
- Interpreting geophysical data collected with the instruments listed above
- Work closely to advise Project Managers in the proper application of geophysical methods and will oversee teams performing the collection and processing of both traditional Digital Geophysical Mapping (DGM) and Advanced Geophysical Classification (AGC) data
- Develop technical and cost approaches for proposals that relate to terrestrial geophysical surveys
- Prepare and / or review work plans and Munitions Response Quality Assurance Project Plans (MR-QAPP) for geophysical surveys
- Work closely with Project Managers and project teams to ensure geophysical surveys are performed in accordance with plans and governing specifications, attend project meetings, prepare and deliver technical presentations and engage with customers
- Work with subcontractors / vendors to identify and secure required equipment and services to plan and conduct geophysical surveys
- Other travel (meetings, conference attendance, etc.)
- Ability to work within a well-developed quality system and strong safety culture

- Ability to safely operate full-size pick-up trucks and UTV's on and off-road
- Due to the nature of work, U.S. Citizenship is required

Fieldwork

- Occasional field work within the continental U.S. and South Pacific for durations of up to three weeks may be required for this position. Fieldwork typically involves performing physically demanding tasks and working 10-hour days (typically 4 to 5 10-hour days per week), potentially in adverse field conditions (cold, hot, high wind, dusty environment, rough terrain) in remote locations.

Benefits

\$90,000.00 - \$120,000.00

Actual salary offered may be affected by education, training, certifications, experience, skills, level of responsibility, and location

TPMC provides qualified candidates a robust and exciting work environment, a competitive compensation package, including healthcare, dental, life insurance, disability insurance, flexible spending accounts, tuition reimbursement, and a 401(k) plan with employer match.

Please email a cover letter, resume and salary requirements to HR@TerranearPMC.com