

JOHN L. RIETMAN P.G. Marine Geologist

Geo-Marine Technology
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SUMMARY OF QUALIFICATIONS

Founder and President of Geo-Marine Technology, Inc. established in 1997

Professional Geoscientist licensed in the State of Texas-Lic#673 (PG) and American Institute of Professional Geologists (AIPG)-Lic#10850 (CPG)

Proficient in offshore geologic hazard investigations, marine construction surveys, cable route desktop studies, cable route survey data, hydrographic surveys, marine geology, and oceanographic investigations. Interpreted and reported on over 1,350 lease block and construction hazard surveys (pipeline and cable route) in the Gulf of Mexico, Caribbean, Pacific, Atlantic, and Arctic oceans

Thirty years hands-on experience in project management and data quality control both onshore and offshore. Extensive equipment operation/design/repair experience

Author of a suite of hydrographic, seismic, and marine geology interpretation programs

Broad marine geographic experience ranging from shoreline to abyssal and the arctic to the equatorial tropics.

Litigation experience involving offshore mobile rigs/pipelines in the Gulf of Mexico (expert witness and professional consultant)

EXPERIENCE

8/97-Present Geo-Marine Technology, Inc
Missoula, Montana

Position: President
Licensed and Certified Professional Geologist

Geo-Marine Technology was formed in August 1997. The company provides environmental, geological, engineering and hazard analysis services to governments, oil, engineering, telecommunications and seismic industries. Services include quality control, and analysis of various types of oceanographic, acoustic, and seismic data, desktop studies, and sonar interpretation. John Rietman specializes in high-resolution geophysics, shallow penetration acoustic systems, sonar technology, and hydrographic surveying. His assignments have taken him from the Beaufort and Chukchi seas to the Caribbean and from the West African shelf to the Gulf of Thailand. He has authored over 1,350 reports for telecommunication, construction, hazard, and marine surveys.

6/89-8/97 Racal Geophysics/NCS International
Houston, TX / Ventura, CA

Position:
Marine Geologist

Duties: Writing technical proposals, organizing project logistics, survey data acquisition and quality control, data interpretation and report writing for a large variety of offshore construction and geologic hazard surveys. These surveys were conducted on a worldwide basis. **NOTABLE CONTRIBUTIONS:** Trained several offshore survey crews in hazard survey data collection. Wrote numerous computer programs to aid in interpretation and data reduction for hazard surveys-data reduction included complete mapping in AutoCAD. Supervisor for a complex, multi-vessel, 3-D seismic survey in Dubai. Client Rep for a major pipeline installation survey, offshore and onshore Thailand.

EQUIPMENT AND TECHNICAL

The following lists geological/geophysical equipment systems that Mr. Rietman has hands-on experience in operating/maintaining/troubleshooting repairing, and interpreting data:

GEOPHYSICAL/OCEANOGRAPHIC/HYDROGRAPHIC:

Licensed with Kingdom Suite (SMT), SonarWeb (Chesapeake Technology). Field systems include: Side scan sonar, Scanning Sonar, Subbottom profilers, Magnetometers, Gradiometers, Echosounders, Gravity Meters, Analog and digital recorders, winches and cabling, Scintillometers, Salinometers, pH testing, radio-navigation systems, Differential GPS satellite positioning systems, Ultra-short baseline acoustics, Long baseline acoustics, current meters, tide gauges, CPT data analysis.

SEISMIC:

Digital recording systems (Various), Multi-channel seismic streamers, Depth birds, Seismic sources (Airgun arrays, water guns, sparkers, boomers, mini-sleeve exploders, compressors, generators, explosives).

COMPUTER:

IBM and compatibles, RISC and Silicon Graphics platforms, plotters, digitizers, communications interfaces, etc. Software includes a wide variety of programs in DOS, Windows and UNIX operating systems

PROGRAMMING:

Field and office experience writing utility programs. Programs include side scan sonar and magnetometer mapping programs, DXF utilities for use with AutoCAD, a bathymetric/hydrographic data reduction programs, climatology analysis programs, numerous file I/O/String processing routines for use in bathymetric processing, SEG-Y file editing/manipulation, side scan sonar data processing routines, RPL conversions to CAD, CAD conversions to Makai Plan compatibility.

GEOGRAPHIC EXPERIENCE:

These are regions where Mr. Rietman has direct experience evaluating the marine geology, oceanography and physical processes:

Gulf of Thailand and the southeast coast of Thailand, Malaysia and Singapore, South China Sea, Red Sea, Persian Gulf, Offshore Cameroon, Gambia and Senegal, Southern Caribbean Basin (Aruba), Columbus Basin (Trinidad/Venezuela), Barbados Ridge, Santos Basin (Brazil), Chukchi and Beaufort seas, Cook Inlet, Gulf of Alaska, Offshore Baja California Mexico, Offshore and Onshore California USA, Gulf of Mexico and southern Florida Shelf, North Pacific Basin, Shikoku Basin, Philippine Sea, Japan Trench, Emperor Seamount Chain, Nankai Trough, Izu-Bonin Volcanic Arc, Kyushu-Palau Ridge, Western Atlantic Ocean.