

ERIC ISAAC, MSc, PMP
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CLIENT REPRESENTATIVE, OFFSHORE/ONSHORE MANAGER, *Marine Construction & Engineering; Offshore Energy; Hydrography; Geophysical/Geotechnical Surveys*

Accomplished construction oversight and project management professional with proven success directing complex offshore energy and marine infrastructure projects for major energy operators.

- Extensive experience managing construction operations and surveys for subsea structures, pipelines, cables, jackets, piles, shore protection, trenching, dredging & seawalls during inland water, coastal and deep-water projects, with expertise from planning through closeout phases.
- Advanced leadership capabilities directing multidisciplinary teams of 35+ professionals on high-value projects worth up to \$1,000,000 per day, ensuring specification compliance and operational excellence.
- Proven expertise in securing and managing multi-million-dollar client relationships through strategic planning, technical credibility, and delivery of complex offshore campaigns.

AREAS OF EXPERTISE

Project Management • Construction Management • Quality Control • Risk Management & Mitigation
Client & Stakeholder Relations • Survey Mapping • Data Acquisition, Processing & Charting
Research • Strategic Planning • Bidding Management • Marketing & Business Development

PROJECT MANAGEMENT EXPERIENCE

Marine Construction • Deep Water Structure Installations • Cable & Pipeline Installation • Trenching
Platform & Jacket Installation • Land & Hydrographic Surveys • Geophysical & Geotechnical Surveys
Equipment Planning • Machine & Dimensional Control • Vertical & Horizontal Control • ROV & Dive
Inspections • Boundary Surveys • Surface & Sub-Surface Navigation & Positioning

PROFESSIONAL EXPERIENCE

SUBSEA METRICS, Lorain, Ohio • 2001-Present <https://www.subseametrics.com>

Dynamic consulting firm offering engineering and surveying consulting services to offshore energy, marine construction, engineering, and survey consulting clients.

Principal: Founded and lead consulting firm specializing in technical oversight and strategic management of complex offshore energy and marine infrastructure projects. Direct construction and survey oversight for structure, pipeline, and cable installations; manage trenching operations; oversee hydrographic and land surveys, jumper metrology and dimensional control. Lead multidisciplinary teams of up to 35 professionals, ensuring quality control and production standards throughout project execution. Manage survey control establishment, calibrations, and geophysical surveys utilizing sonars, shallow seismic, and magnetometers to support construction activities. Direct resource planning, cost control, scope management, and risk mitigation strategies. Oversee HSE compliance, quality assurance processes, and project reporting. Coordinate with clients, contractors, engineers, scientists, superintendents, and marine/trade personnel to ensure seamless project delivery. Prepare and deliver technical presentations to stakeholders demonstrating project status, challenges, and solutions.

Select Accomplishments:

- Identified and corrected error made by previous engineers during large-scale construction project, saving contractor over \$1 million from profits that would have to go to make corrections.
- Directed marine operations on projects worth from \$5,000-\$1,000,000 per day, ensuring project delivery within schedule, scope and budget constraints.
- Implemented consistent data acquisition, quality control and analysis procedures, ensuring 100% accurate engineering measurements and calculations for pipeline spool fabrication.

Key Projects:

- Onshore Manager, Ocean Infinity, TGS Amendment West 1-Ocean Bottom Node Campaign; Gulf of America via Remote Survey Control in Gothenburg, Sweden (2026). Led survey operations from a remote survey center coordinating with lean marine, ROV and survey teams.
- Client Representative/Subject Matter Expert, Chevron, Jack-St Malo Phase 4 & 5 Installation Campaign; USA (2025). Led construction oversight from planning through closeout for two installation contractors, managing pre-lay survey operations and supervising suction pile, multiphase pump, flexible flowline, umbilical & associated appurtenance installation. Ensured project compliance and coordination between onshore and offshore teams.
- Client Representative, Woodside Energy; Shenzi UWILD and Subsea Inspection Project; USA (2025). Directed ROV inspection operations and multibeam as-found survey activities for 64 km flowline. Verified contractor conformance with project specifications and quality standards.
- Client Representative, Ordtek / TenneT; UXO 2GW Project; North Sea, Germany (2024). Supervised offshore fieldwork execution for 5 export cable route UXO surveys. Ensured contractor compliance with project specifications and promoted HSEQ standards throughout.
- Offshore Manager/Party Chief, N-Sea, Ørsted Hornsea 3 Windfarm UXO investigation, England (2024), Led field operations and managed teams during UXO investigations along export cable routes, coordinating activities and ensuring operational efficiency.
- Client Vessel Representative, Equinor, Beacon Wind, MetOcean Buoy Campaign, Massachusetts, USA (2021-24). Managed technical oversight and field operations during deployment, servicing, and removal of MetOcean buoys. Conducted planning, daily project management, and contractor coordination while promoting HSEQ during project execution.
- Operations Manager, Jardine Cable Lay; Courtesy Electric Chicago, USA (2020); Managed 20-member multidisciplinary team (survey, diving, engineering, construction, marine) during 3.2 km submarine electrical cable installation in Chicago Harbor (3-10 m.w.d.).
- Client Representative, Total Clov and Pazflor Development projects, Angola (2010-2014); Directed technical oversight of structure, umbilical, and riser installations. Managed daily project operations, contractor coordination, and specification compliance verification.
- Party Chief, Murphy Energy, Gumusut Kakap Project; Offshore Malaysia (2012). Managed offshore operations for umbilical and structure installations. Directed planning, execution oversight, QA/QC processes, and communications between offshore and onshore teams.
- Party Chief, Petrobel, North Bardawil Project; Offshore Egypt (2009). Led umbilical installation and trenching operations. Managed technical oversight, planning, data acquisition, QA/QC, and project communications. Ensured project delivery of scope according to planned timeline.
- Party Chief, Nexen UK, Etrick FPSO Project; Offshore UK (2008). Supervised umbilical and service line installation operations. Directed technical oversight, planning, QA/QC processes, and offshore/onshore coordination. Ensured conformance to project specifications.

BALLARD MARINE CONSTRUCTION, Neenah, Wisconsin • 2019-2020

Leading marine construction company and diving contractor with approximately 50 full-time employees

Hydrographic Operations & QC Manager: Directed multi-disciplinary teams of surveyors, divers, craft workers, equipment operators, and engineers in executing marine and civil construction projects. Managed cross-functional operations including technical oversight, hydrographic and ROV surveys, proposal development, strategic planning, and vendor/subcontractor coordination. Controlled project risk and quality through systematic processes; monitored budgets, schedules, and performance metrics. Conducted business development and maintained stakeholder relationships with clients, government officials, engineering consultants, contractors and vendors. Prepared bids, cost estimates, procedures, and management plans to support project execution.

Select Accomplishments:

- Led hydrographic operations during establishment of innovative new remote sensing and technology group for an inland water marine construction company.
- Implemented leading-edge safety and quality standards required by larger clients to ensure strong competitive position when bidding for high-revenue projects.
- Championed key process and quality improvement initiatives at all organizational levels, achieving stakeholder support for large-scale cultural change.
- Won high-profile safety awards for amount and quality of safety performance & documentation.

NOTE: Additional experience includes Surveyor for the National Park Service and Fugro, Engineer in Training at K.S. Associates and Deputy Engineer at Port Freeport. Details upon request.

EDUCATION

Master of Science in Engineering: Civil Engineering
University of Washington, Seattle, Washington

Postgraduate Diploma in Advanced Hydrography
University of Plymouth, Plymouth, UK

Bachelor of Science in Geophysics
Bowling Green State University, Bowling Green, Ohio

CERTIFICATIONS & QUALIFICATIONS

Project Management Professional (PMP): #2688957
Certified Hydrographer (CH), The Hydrographic Society of America #254
Professional Surveyor (PS), Ohio Registration #S-8074
Professional Surveyor and Mapper (PSM), Florida Registration #LS7337
Professional Land Surveyor (PLS); Wisconsin Registration #4037-8
Land Surveyor (LS); Minnesota License #63511
30-Hour OSHA Safety Training (Construction)
Title 46 Master 100 Gross Register Tons: USCG Ref Number 3044577 Merchant Mariner Credential
Title 14 Part 107 Remote Pilot with an sUAS rating: FAA Certification #4403108 Airman Credential

PROFESSIONAL AFFILIATIONS

The Hydrographic Society of America (THSOA)
Project Management Institute (PMI)
Professional Land Surveyors of Ohio (PLSO)

LANGUAGES

Fluent: English • Conversational: Italian

TECHNICAL SKILLS

Microsoft Office: Word, PowerPoint, Excel, Projects • AutoCAD • QGIS • Fusion • Qinsy
Trimble Business Center • DJI Terra Pro • IHO S-44 Hydrographic Standards • USACE/NAVFAC/ISO
9001 Quality Management • OSHA Safety Regulations • IMCA Codes of Practice

SPECIALIZED LAND SURVEY EQUIPMENT

AsteRx-U3 Marine Septentrio & Leica GS-7 RTK • Trimble R780-2 450-900 L1/L2/L5 GNSS • Trimble
TSC5 Controller/Handheld computing system • Trimble SPS930, Leica TS16, Topcon GTS 213 Total
Stations • Leica NA730 Automatic Level • DJI Matrice 350 RTK sUAS • Zenmuse L-2 LiDAR

SPECIALIZED HYDROGRAPHIC EQUIPMENT

ROVINS, SPRINT-Nav, Applanix POSMV, LodeStar, Octans, Kongsberg Seatex Heading/MRU • Trimble
SPS461 RTK Heading & Positioning • Teledyne Seabat 7125 & T50, R2Sonic 2024, Norbit WBMS
multibeam • Edge Tech 4200 & 2025 Side Scan Sonar • Innomar SES 2000 Sub-bottom Profile •
Geometrics G882 Transverse Gradiometer • Teledyne TSS 440 Pipe Tracker • Valeport Tidemaster
tide gauge • Vaisala barometer • Applied Acoustics Nexus, Sonardyne & Kongsberg HiPAP 501 USBL
• Tritech SeaKing 704 Bathy • Innova Mux/Topside • MOXA network switch • Sonardyne 6G LBL •
ARIS Acoustic Camera • Nortek 1000 & RDI Workhorse Doppler Velocity Log • Seabird, Valeport
Swift & Midas CTD • Seabotix vLBV 950 & Video Ray Pro 4 ROVs • Piranha 6" Dredge Pump