

Date: March 2021

POSITION: Metocean Systems and Equipment Technician

ROLE: We are looking for a recent marine science graduate with strong software programming and coding skills to work as a member of the Energy and Mines Business Unit Metocean Measurement and Systems Team, with key focus on the design, integration and testing of real-time metocean (meteorological and oceanographic) monitoring systems, development of near-real-time data management and web-based display systems, preparation and operation of metocean instrumentation and assisting with field operations.

DUTIES AND RESPONSIBILITIES: The Metocean Systems and Equipment Technician will have the following duties and responsibilities:

- Support the Chief Engineer in the design, integration and testing of real-time metocean monitoring systems.
- Support the Chief Engineer in the development and maintenance of real-time metocean monitoring systems software and real time data displays on PC and web platforms.
- Support maintenance and preparation of the Woods Hole Group and broader CLS Group metocean measurement equipment and systems.
- Providing support for field operations involving the deployment, operation and maintenance of metocean measurement and monitoring equipment.
- Providing further support to the Metocean Measurement and Systems Team and Energy and Mines Business Unit in accessing and processing, analyzing and presenting metocean data.

SUPERVISION RECEIVED

Metocean Measurement and Systems Team Leader – Line Manager

Metocean Measurement and Systems Team Chief Engineer – Mentor

KEY QUALIFICATIONS AND CAPABILITIES

We are looking for a Marine Science graduate with a strong interest in the provision of operational oceanographic and meteorological measurement and monitoring systems and services. The applicant should have educational and/or field experience with the operation of oceanographic and meteorological sensors and their use in the marine/maritime environment, including:

- Basic knowledge of circuit analysis and able to read electrical wiring diagrams, and the safe use of multimeter, oscilloscope, soldering tools and power-tools
- Experience using a variety of power supplies for metocean equipment including battery and solar power systems.
- Experience communicating with sensors over RS232/422/485 protocol, and familiarity with SPI, I2C, UART.
- Experience using satellite, GPRS, radio and Bluetooth data transmission systems.
- Experience testing, configuring, uploading data from meteorological and oceanographic equipment and instrumentation.
- Experience using meteorological and oceanographic equipment and instrumentation in the field



The individual should also have strong software and coding skills that they are keen to use and develop, including:

- Expertise in C#, Python, Matlab, SQL, HTML and Javascript ideally related to metocean data collection, management, processing and presentation (knowledge of C, PHP, Perl, R would also be of benefit) command-line tools would also be a benefit).
- Experience working in Windows and Linux environments.
- Experience writing database applications using .NET Framework, designing small databases on Microsoft SQL Server and managing databases and database permissions.
- Web development experience also highly desirable.

PERFORMANCE EVALUATION: Performance will be based on:

- Ability to conduct project and maintenance work as defined in job description.
- Achievement of team utilization targets.
- Quality of work products and project deliverables and ability to work to company standards, practices and procedures.
- Safety focus in the office and field environments.
- Engagement and effectiveness as a team member, supportive of personal and team objectives, and helping others.
- Communication skills (written and oral).
- Interaction with other Team members, other teams, and corporate management.
- Ability to contribute to the development and growth of the business.

GENERAL INFORMATION:

- The position is a full time, salaried position.
- The Woods Hole Group offers a full-time benefit package that includes a 401(K) program, health insurance benefits, and competitive vacation and sick time policy.
- This position will be filled at our Bourne, MA – Corporate Headquarters

Individuals who succeed at Woods Hole Group are pleasant, hard-working, self-starters who share our passion for innovation and commitment to high quality work. Further information about the company:

www.woodsholegroup.com

If this opportunity matches your experience and career visions, please send resume outlining education, work experience and salary history to:

The Woods Hole Group, Inc.
107 Waterhouse Road
Bourne, MA 02532
E-mail: metocean@whgrp.com

AN EQUAL OPPORTUNITY EMPLOYER