



Job Title: Engineer – Readiness Based Sparing (RBS) Project

- **Location:** This position is primarily remote, with a mandatory one-week on-site training at the customer location in Mechanicsburg, PA. Occasional travel to the client site may also be required.
- **US Citizenship** is required.
- Active DoD **Security Clearance** is required.

Overview

BI Solutions, Inc. is seeking a qualified Engineer to support the Naval Sea Logistics Center (NSLC) Readiness Based Sparing (RBS) Modeling Services contract. The Engineer will play a key role in developing, analyzing, and implementing RBS models using OPUS Suite and related Navy logistics systems.

Key Responsibilities

- Develop and deliver RBS models utilizing Opus Suite (OPUS10 and SIMLOX) in accordance with Navy standards.
- Perform data mining, data analysis, engineering modeling, and simulation for assigned projects.
- Assemble and analyze input data from Navy logistics systems (DECKPLATE, ReMAD, OARS, and MBPS/Windchill).
- Retrieve and analyze provisioning, maintenance, and material management data to identify onboard spare candidates.
- Build and validate Reliability Block Diagrams (RBD) and Functional Block Diagrams (FBD) for system modeling.
- Present comprehensive system analyses and recommendations for model parts candidacy.
- Prepare and deliver model results, reports, and documentation to NSLC and stakeholders.
- Collaborate with program managers, subject matter experts, and other team members to ensure quality and compliance.
- Support customer meetings, briefings, and technical reviews as required.

Required Qualifications

- **U.S. Citizenship** is required.
- Ability to obtain and maintain a **Secret security clearance** – existing clearance is highly desired.
- Bachelor's degree in Engineering, Mathematics, Computer Science, or a related technical field.
- Minimum of 3 years of relevant experience in logistics modeling, reliability engineering, or data analysis (additional years preferred for senior roles).
- Experience with OPUS Suite (OPUS, SIMLOX) or similar Monte Carlo simulation/modeling tools.
- Proficiency in data analysis, statistical modeling, and technical documentation.
- Familiarity with Navy logistics systems (DECKPLATE, ReMAD, OARS, MBPS/Windchill) is highly desirable.
- Strong analytical, problem-solving, and communication skills.
- Ability to work independently and as part of a multidisciplinary team.

Preferred Qualifications

- Prior experience with OPUS Suite (OPUS, SIMLOX) is highly desired.
- Prior experience supporting Navy or DoD logistics, engineering, or RBS projects.
- Experience with reliability engineering, maintenance analysis, and lifecycle logistics.
- Current security clearance.



Additional Requirements

- Must be able to pass background investigations and meet all security and facility clearance requirements.
- Willingness to travel for meetings or site visits in Mechanicsburg, PA as required (minimal anticipated, outside of a 1-week training course).
- Commitment to quality, confidentiality, and compliance with all contract and government regulations.

Company Overview

Headquartered in Harrisburg, PA, BI Solutions, Inc. is an innovative small business specializing in data analytics, enterprise reporting, and data warehousing services. For over 20 years, we have proudly delivered award-winning solutions to both public and private sector. At BI Solutions' we foster a collaborative team environment and offer mentoring opportunities. Our employees enjoy the unique benefits of working for a small company while receiving many of the advantages typically associated with large companies.

BI Solutions offers a comprehensive benefits package that includes paid vacations and holidays; medical, dental and vision insurance; and retirement benefits with matching employer contributions. Currently, BI Solutions pays 100% of health insurance premiums for full-time employees.

Interested applicants, please send resume and cover letter to Teresa Lanza at Office@bisolutions.net.