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**Position Title:** Director, System Architecture- Maritime Autonomous Solutions  
**Department:** Engineering  
**Reports To:** President and CEO  
**Location:** Northern Virginia  
**Level:** Professional  
**FLSA Status:** Exempt

**Approved Date:** 2/20/2020

**SUMMARY**

ST Engineering North America Government (STENAG) is in search of a Director, System Architecture-Maritime Autonomous Solutions. This role is in support of the STENAG Mission Systems team who is responsible for the development of new marine autonomy solutions leveraging ST Engineering's USV autonomous navigation technology with a primary focus on US markets. Marine autonomy is an extremely diverse market with technologies spanning sensors (multi-band radar, multi-band EO, acoustic, and Automatic Identification Systems, situational awareness (detection, recognition, ID, tracking, and kinematic feature extraction), path planning, collision detection/avoidance, and autopilot/machine control.

As Director, Systems Architecture this role will collaborate with a distributed team in the adaptation and creation of new enabling technologies and architectures to advance the companies' marine autonomy applications to emerging US Government requirements. This position will drive the in-house development architecture and its supporting infrastructure necessary to design, develop and test capabilities and features desired by the US Government customer.

The System Architect will report to the President and CEO of STENAG. Our organization encourages a healthy work life balance with our PTO programs. In addition, we have excellent benefits such as tiered health plans through BCBS, retirement accounts, educational reimbursements and various insurances that are employer paid.

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7037 Madison Pike #410, Huntsville, AL 35806

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**ESSENTIAL FUNCTIONS** *(To perform within this position successfully, the incumbent must be able to perform each essential duty satisfactorily. Other duties may be assigned.)*

- Architect system/software solutions and familiarity with robotic applications.
- Demonstrate proficiency using system/software development tools.
- Invent, propose, create and develop new concepts which enhance and expand the capabilities of the ST Engineering Navigational Autonomy product offerings.
- Lead collaborative teams in a matrixed organization to create working prototypes and demonstrate a feature, concept or a significant aspect of a design.
- Support or lead development of engineering specifications.
- Drive the development and negotiation of verifiable system requirements with customers
- Effectively interface with various ST Engineering organizations/subsidiaries as well as external organizations to support the development and/or transfer of sound new features and capabilities.
- Mature technologies and support transition to Product Development.
- Contribute, support and conduct technical presentations and proposals internally as well as to industry.
- Work with other company executives to develop go to market and win strategies
- Perform other duties that may be required.

**BASIC QUALIFICATIONS** *(The requirements listed below are representative of the knowledge, skills, and/or ability required and preferred for this position.)*

**Required Education & Experience:**

- Master/Bachelor of Science in Electrical Engineering or Computer Science with 5 years (or equivalent experience) in the development of systems solutions preferably in Naval unmanned systems and technologies.
- Experience with mobile robotics and automation such as perception, situational awareness, collision avoidance, autopilot/machine control.
- Experience with market segments such as: USV, UAV/UAS, Maritime ISR
- Experience with US Navy research and program execution arms responsible for said market segments will be an advantage.

**Required Knowledge, Skills, & Abilities:**

- Demonstrated record of technology innovation and engineering development

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- Strong analytical skills with demonstrated experience in technologies that could be successfully applied to unmanned maritime systems
- Excellent verbal, written, collaboration and interpersonal communication skills
- US Citizenship and recent or current Security Clearance
- Experience working with geographically and culturally diverse teams
- Familiarity with C4I networks, technology transfer, and emerging cyber security requirements.
- Familiarity with government affiliated leading edge tech agencies helpful.

### **Physical Demands and Work Environment:**

Position environment is neutral with low to moderate noise exposure, in a seated position requiring the extended use of a computer and computer equipment that uses manual dexterity, speech, listening, visual, hearing and writing skills. Position will be based in Northern VA and may require approximately 30% domestic and international travel to support technology transfer, development, and system reviews in accordance with applicable US Government security and ITAR regulations.

Miltope Corporation is part of an integrated engineering group providing solutions and services in the aerospace, electronics, land systems and marine sectors and is responsible for administrative support of this position. Miltope is part of ST Engineering North America Government offering innovative solutions to Government with products and services including rugged computers and peripherals able to perform under extreme conditions, commercial aviation products, software solutions in training and simulation; and ship design and shipbuilding.

Miltope Corporation is an Equal Opportunity Employer and considers qualified applicants for employment without regard to race, color, creed, religion, national origin, sex, sexual orientation, age, disability, veteran status, or any other characteristic protected by law.

Since 2001, ST Engineering North America (formerly Vision Technologies Systems, Inc. (VT Systems) ([www.vt-systems.com](http://www.vt-systems.com)), a subsidiary of Singapore Technologies Engineering Ltd, has been pioneering new advances in technology and engineering. From aerospace and electronics to land systems and marine, ST Engineering North America provides unparalleled insight and project expertise across our dedicated family of 14 operating companies – each with a tradition of excellence and industry renown of their own. With approximately 4,000 employees, we provide mission-critical solutions for both commercial

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and military applications. Our key offerings include shipbuilding, custom truck bodies and trailers, satellite-based broadband access solutions, rugged computer systems, training and simulation toolkits, aircraft maintenance and repair, the design and installation of luxury aircraft interiors, and robotics. Together with our steadfast commitment to our clients, our capabilities and innovative solutions motivate us to push physical and creative boundaries as we explore the limitless possibilities of a changing world.