

## **LABOR CATEGORY 18 – APPLIED TECHNOLOGY ENGINEER**

Location: Norfolk, VA, USA (On-site)

Period of Performance:

Base Period: Contract Award – 31 December 2026

Option Period 1: 1 January 2027 – 31 December 2027

Option Period 2: 1 January 2028 – 31 December 2028

Option Period 3: 1 January 2029 – 31 December 2029

Option Period 4: 1 January 2030 – 31 December 2030

### **Tasking:**

1. Deliver hardware and integrated technology solutions to support small-scale innovation projects in domains such as robotics, autonomous systems, IoT, radio links, and sensing.
2. Support operational use of these solutions in experimentation and contribute to rapid adoption of new technologies in military contexts.
3. Design and prototype electronic and electromechanical components using 3D printing, PCB design, soldering, and related fabrication methods.
4. Integrate electronics with software and networks, ensuring secure and resilient system behavior.
5. Apply knowledge of AI on the edge, machine vision, and advanced sensors to practical solutions.
6. Document solutions in clear technical documentation, user/admin guides, and step-by-step instructions in platforms such as Confluence.
7. Collaborate closely with cross-functional teams, including software developers and operational users, to deliver integrated solutions.
8. Maintain awareness of technology trends (robotics, IoT, AI, sensing, automation) and evaluate applicability to NATO missions.
9. Employ Agile, Design Thinking, and iterative prototyping methods to explore and validate innovative concepts.
10. Perform additional tasks as directed by the COTR related to innovation support.
11. As directed by the COTR, travel on official business in support of ACT both within and outside NATO's boundaries for up to 30 days per year. The contractor shall be responsible for completing a Contractor Travel Request Form and following the ACT Financial Manual Chapter 24 – Contractor Travel.

### **Essential Qualifications:**

1. Relevant degree in Electronics Engineering, Information Technology, Mechatronics, or related discipline.
2. Professional experience integrating and customizing electronics for robotics, IoT, sensing, or other austere applications.
3. Professional experience in integrating electronics with networks and software.
4. Proven track record in robotics, IoT, automation platforms (e.g., ROS, industrial IoT, home automation).
5. Experience with AI on the edge, machine vision, and advanced sensor integration.

6. Strong practical skills in prototyping and fabrication (3D printing, soldering, wiring, PCB design, schematic drafting).
7. Demonstrated ability to design and implement secure, resilient, and scalable electronic systems incorporating security and redundancy.
8. Ability to document solutions effectively in user/admin guides, manuals, or platforms such as Confluence.
9. Proven ability to work collaboratively in cross-functional and interdisciplinary teams.
10. Familiarity with Agile and Design Thinking practices applied to prototyping and user-centric experimentation.
11. Proficiency in Microsoft Office and collaborative software.
12. Fluent in English (written and oral).
13. Active NATO or National SECRET (or higher) security clearance.