



GuardBot Inc. demonstrates Spherical Platform for AEODRS Appliance Research (SPAAR)

Indian Head, MD. – April 19, 2017 – Officials from the US Navy announced Tuesday that Spherical Platform for AEODRS Appliance Research (SPAAR) system was successfully demonstrated for Joint Services EOD Action Officers in Indian Head, MD. The Advanced Explosive Ordnance Disposal Robotic System (AEODRS) is a family of interoperable EOD robotic systems. The SPAAR system is a capability gap filler for the AEODRS program developed by GuardBot. The SPAAR provides a recon capability for environments not suited for most ground robotic operations such as narrow culverts, marshes and swamps, coastal areas and small bodies of water.

The SPAAR system is 9.5” in diameter and is propelled by GuardBot’s proprietary pendulum motion technology and is controlled using the AEODRS Handheld Operator Control Unit (HOCU) running the Multi-robot Operator Control Unit (MOCU) software. The SPAAR system’s internal software is compliant with AEODRS interfaces for Mobility, Visual Sensors, Communication, Health Reporting and more.

The GuardBot team led by its President Peter Muhlrud and Vice President of Operations Dorothea Smith, plus engineers Philippe Vibien and Jacob Boyle, demonstrated the SPAAR on location Tuesday after a multi-team development effort involving significant dedication and focus including working against an accelerated integration schedule. Michael J. Zeher, from the Johns Hopkins University Applied Physics Lab and AEODRS Project Manager expressed his deep appreciation to all involved with the successful effort.

The SPAAR system further demonstrates the concept of an AEODRS Appliance. This concept enables the integration of unique technologies and capabilities into the AEODRS family of systems, in particular as capability gap-fillers. These appliances do not require complete integration of the AEODRS architecture but ensure interoperability with program resources such as the Handheld Operator Control Unit.

SPAAR with HOCU



AEODRS Increment 1 with HOCU



About GuardBot:

GuardBot is a cutting edge engineering company focusing on the design and development of amphibious, spherical robotic vehicle systems. Guardbot's systems have unique capabilities currently not addressed by existing robotics systems as it is amphibious, air and water tight, can travel on paved road, off-road, sand, snow, sloped surfaces and water. It can carry substantial payload such as sensors etc. Key customers include the military, security applications and broadcasting.

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