Deep Vision At Unmanned Warrior

Deep Vision has been working closely with BAE Systems supporting the upcoming Royal Navy-led industry demonstration Unmanned Warrior 16. Taking place this October off the coasts of Scotland and West Wales, Unmanned Warrior will demonstrate how the systems being showcased deliver situational awareness to the Royal Navy. Participants from industry, academia and defence will operate over 50 vehicles, sensors, and systems during the exercise. BAE Systems plans to demonstrate Deep Vision's next-generation target detection and tracking capability whilst showcasing the P950 unmanned and P24 optionally manned Rigid Hull Inflatable Boats (RIBs), developed in collaboration with ASV.

The newly designed craft, capable of 47kts and 38kts respectively, offer ship-launched manoeuvrability and promote an improved situational awareness to support the decision-making of its operators. The technology is designed to be incorporated modularly in an affordable way into the existing RIBs, such as those already used by the Royal Navy.

Admiral Philip Jones, First Sea Lord and Chief of Naval Staff, said: "The growing scale of Unmanned Warrior is a clear demonstration of the Royal Navy's ambition to lead and win through technological innovation. Unmanned maritime systems will change how we operate, but they're just the start. Our pursuit of new technologies and ideas will ensure we remain one of the most capable and successful navies in the world."

Deep Vision is proud to support the Royal Navy's ambition. Technology that has the potential to change the face of naval operations within a decade has been demonstrated by BAE Systems in partnership with ASV at a site near Portsmouth naval base. The new Unmanned systems will allow naval forces to carry out vital tasks such as high-speed reconnaissance and remote surveillance while keeping sailors out of harm's way.

"This technology delivers an extremely robust and fast-moving unmanned boat that is able to perform a number of surveillance and reconnaissance roles, even when operating at high speed or in choppy water," said Les Gregory, Product and Training Services Director at BAE Systems.

The software and algorithms for targeting and tracking in these harsh conditions were developed by Dartmouth, Nova Scotia-based machine perception specialists, Deep Vision. BAE Systems has been working to integrate this technology in order to prove both concept and capability through the demonstrator.

Alan Parslow, Deep Vision CEO, said: "We are very exited to be participating, with BAE Systems, in this significant and ground-breaking exercise. It is a further endorsement of the unique capability, creativity, and talent that has taken root in Atlantic Canada."

About Deep Vision

Based in Dartmouth, Nova Scotia, Canada, Deep Vision develops intelligent, real-time, sensor exploitation and machine perception solutions for the Aerospace & Defence industry. We deliver world class capabilities in autonomous systems, robotics, and C4ISTAR. Deep Vision's unique technology enables automated target recognition, tracking, and passive ranging in complex, cluttered environments - independent of sensor motion and at blazing speed.

www.deepvision.ca

About BAE Systems

We provide some of the world's most advanced, technology-led defence, aerospace and security solutions and employ a skilled workforce of some 83,400 people in over 40 countries. Working with customers and local partners, we develop, engineer, manufacture and support products and systems to deliver military capability, protect national security and people and keep critical information and infrastructure secure.

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