OSI's Collision Avoidance Technology to be Tested by Royal Canadian Navy

- **OSI awarded a contract by Innovation, Science and Economic Development Canada (ISED) for the test of OSI's innovative and integrated technology - Collision Avoidance Decision Aid (CADA)**
- **CADA is one of many innovative navigation technologies in OSI's R&D portfolio**
- **Testing will take place at the Royal Canadian Navy's Naval Training Development Centre (Pacific).**
- **CADA offers the potential to increase safety and reduce the risk of collision**

June 14, 2022 - OSI Maritime Systems (OSI), a leading provider of integrated naval navigation and tactical solutions, has announced a contract with Innovation, Science & Economic Development Canada (ISED) for the testing of OSI's integrated Collision Avoidance Decision Aid (CADA). Testing will occur at the Royal Canadian Navy's Naval Training Development Centre (Pacific).

"CADA represents both OSI's commitment to continuous innovation and the invaluable support that the RCN has provided over the years," said Ken Kirkpatrick, President and CEO of OSI. "OSI's leadership in navigation solutions is defined by innovation embedded in our culture, but equally important is the Canadian Government and the RCN's support helping a Canadian company develop and showcase Canadian technology worldwide."

CADA is an innovative collision avoidance technology designed to assist command and bridge teams in navigating a ship's route, assess surrounding traffic for risk of collision and provide advice on avoidance. It is an aid to decision-making, not automation of the action process.

The innovation uses artificial intelligence (AI) to determine the risk of collision, prioritize actions and present these to the user in an easily understood format. AI examines every contact movement, characteristic, and proximity with reference to the International Regulations for the Prevention of Collision at Sea (COLREGS).

"As ship routes become more congested, there has been a succession of ship collisions, both involving military and commercial vessels, that have been very costly," said Jim Davison, VP, Business Development of OSI. "OSI is proud of working with the Royal Canadian Navy to test CADA and explore its potential as an important aid in reducing accidents on the sea."

On the completion of successful trials, CADA will be fully integrated into OSI's WECDIS product ECPINS (Electronic Chart Precise Integrated Navigation System).

The ECPINS family consists of versions for Surface Ships, Submarines and High-Speed Small Craft, enabling fleet commonality, interoperability and reduced maintenance and training costs. In addition, ECPINS and OSI's INS underlying technology allows for integration into an array of other warship systems. As part of this program, the INS will be integrated into the existing bridge to provide the Position Navigation and Time (PNT) for all the K-130 systems and networks.

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