



PRESS RELEASE

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Ocius Awarded 2015 Capability Technology Demonstrator (CTD) Program Contract

The Minister for Defence, the Hon Kevin Andrews today announced the selection of Ocius Technology Limited in this year's Capability and Technology Demonstrator Program (CTD) to develop an Anti-Submarine Warfare Unmanned Surface Vessel (ASW-USV).

Dr Robert Dane, CEO of Ocius said "We are privileged to be awarded this contract and to be working with top Navy technology specialists and businesses in Australia. This A\$3M contract provides extensive validation of our strategy to draw on proprietary technology for the development of long range, autonomous surveillance and sensing platforms. Specifically, it will allow us to develop a high performance Ocius Bluebottle Unmanned Surface Vessel (USV) coupled with an integrated Thales Australia thin-line towed array sonar system."

"We look forward to working closely with Thales Australia and alongside the universities of Wollongong, Sydney and UNSW, Steber International and Ulladulla Engineering & Fibreglass to demonstrate this world-first proof of concept."

"Initially we will be building a longer version of our 2.8 metre oceanographic 'Nemo' USV, known as a 'Stinger' with a length of 5.8 metres. Our ultimate aim is to demonstrate a low cost, long-range, persistent detection capability that enhances the ability of Navy surface forces to detect and track modern submarines and torpedoes at realistic standoff distances."

Anti-Submarine Warfare (ASW) is typically conducted either by large platforms such as frigates and submarines fitted with towed arrays, or by airborne assets. This is expensive, commits valuable personnel resources and is limited by the endurance of the platform.

The aim is to produce a proof of concept ASW-USV demonstrator that provides an acoustically covert and persistent ASW sonar capability to be autonomously deployed at tactically significant distances from a task group.

Used as a complementary off-board ASW sensor system, it will enable situational awareness through remote sonar data, thus increasing the threat detection window. This will allow Task Group/Ship Command to make more effective tactical decisions to fight the submarine threat, and to provide an effective tool for Rapid Environment Assessment (REA).

Further Information

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Ocius Youtube video: <https://www.youtube.com/watch?v=41KU55oGe0M>

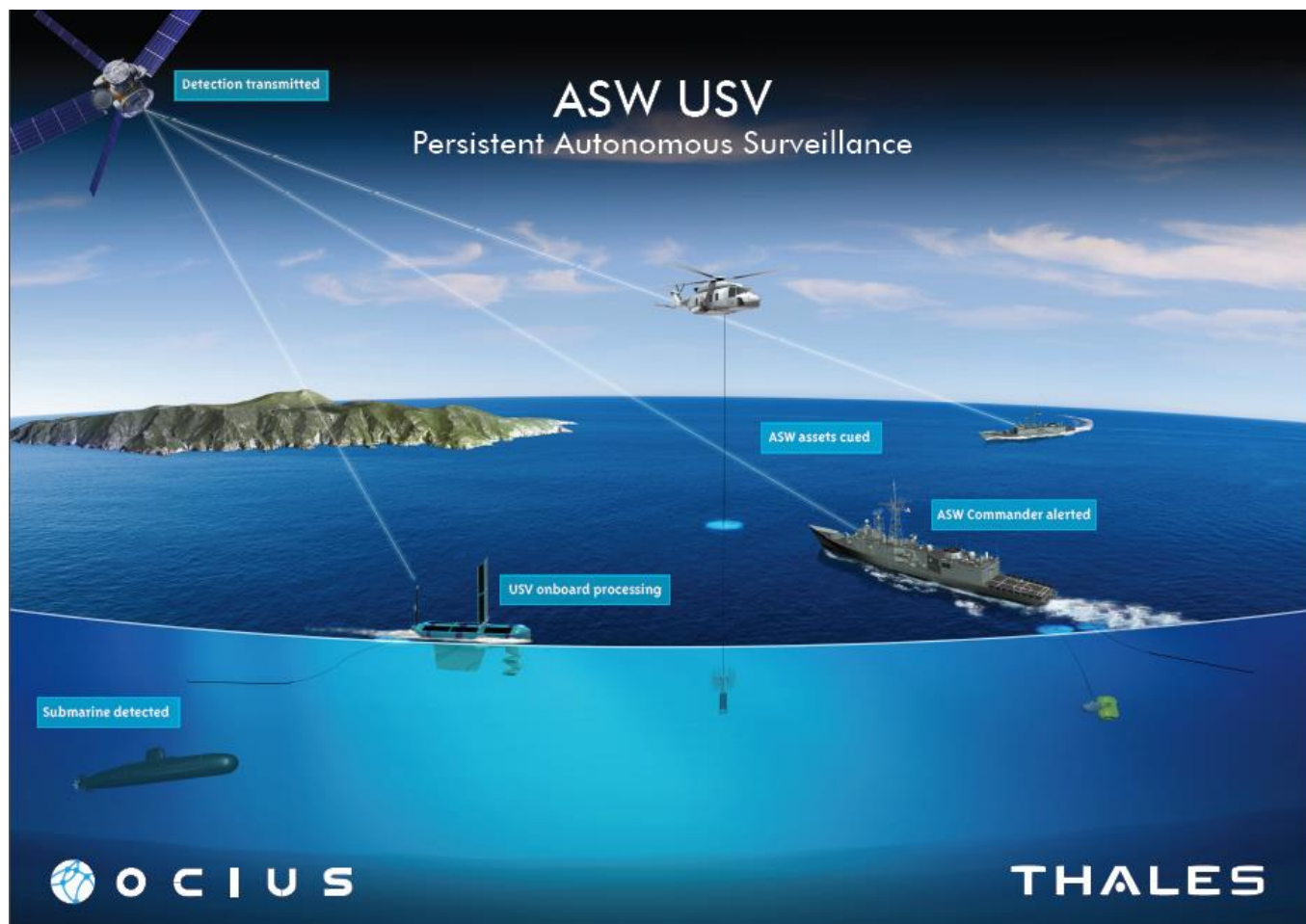
Ocius website: <http://ocius.com.au/usvs/>

Media images below (pages 2&3). Full resolutions versions available on our [website media section](#)

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Thales Australia/Ocius CONOPS Poster

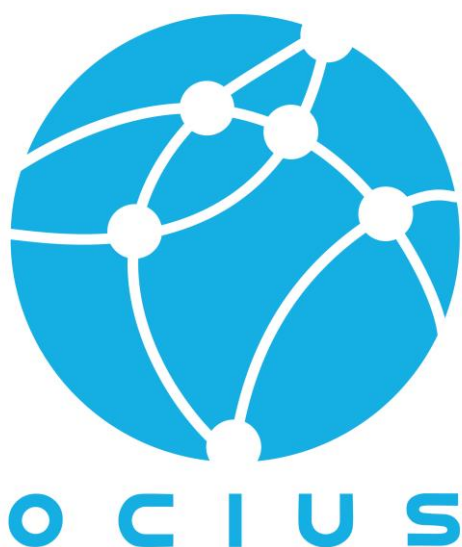
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2 From right: Hon Kevin Andrew announcing contract, flanked by Chief Defence Scientist Dr Alex Zelinsky and Dr Robert Dane (CEO Ocius)



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