

## Department 13 Partners with University of Michigan – Dearborn to support Counter UAS Sensor Research

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### HIGHLIGHTS

- Partnership with revered University of Michigan-Dearborn College of Engineering and Computer Science set to substantially improve sensor capabilities of MESMER™ solution
- Planned upgrades of MESMER™ solution will now be accelerated with zero R&D cost

**COLUMBIA, MD and Perth, WA – 3 October 2017** – Counter drone technology company, Department 13 (ASX:D13 or “D13” or “the Company”), is pleased to announce the commencement of a direct working partnership with the University of Michigan-Dearborn (“UM-Dearborn”), which is widely renowned for its commitment to translational research and applied education.

Some notable UM-Dearborn alumni include:

- Jeff Massimilla, Vice President for Global Vehicle Safety and Cybersecurity, General Motors Co
- Mark Sunday, Chief Information Officer and Senior Vice President, Oracle
- Brett Bilbrey, Retired Senior Manager, Technology Advancement Group, Apple

D13 and UM-Dearborn will work collaboratively to develop additional Counter-UAS capabilities. The project's current focus is centred upon enhancing sensor equipment and solutions to be incorporated within MESMER™ solution. The UM-Dearborn team will build a scanning directional antenna, capable of locating a drone, actively transmitting video or telemetry. The antenna will use direction-finding or ranging, as its sensor technique and upon completion be fused as an enhancement to D13s MESMER™ solution.

MESMER™ currently utilises radio frequency sensor technology to detect and identify drones. The addition of direction-finding sensor technology to MESMER™ will significantly improve the products capabilities. The Company had planned to incorporate this capacity in later versions of the product. However, the partnership with UM-Dearborn allows this process to be expedited, whilst resulting in zero R&D costs to D13.

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**About Department 13**

Based in Maryland, Department 13 (D13) was founded in 2010 by a team of former military operators, scientists and engineers who apply proprietary innovative advanced technology to emerging requirements. D13 is developing cutting-edge software and communication systems that have the potential to transform the networking and communication fields as well as current applications in drone defense, mobile phone IT security and secure enhanced Android phone systems. D13 is engaged with multiple counter UAS projects to provide strategic solutions for civil, military and commercial security requirements. D13 has 17 patents and 28 patent applications in the development of wireless protocol manipulation and communication networking software with applications in drone defense, local area and wide area cellular communications and networking, enhanced data bandwidth for all digital communications, cyber security for mobile devices and sophisticated RF technology applications (radiometrics). For more information about D13, please visit [www.department13.com](http://www.department13.com) or follow us on Twitter (@D13ASX), LinkedIn and YouTube.