FOR IMMEDIATE RELEASE

Cambridge Sensoriis expands its radar product portfolio with the launch of Detect-and-Avoid (DAA) technology for drones

New collision avoidance – or interceptor - capabilities to be unveiled at Xponential Europe, 18-20 February

Cambridge, UK, 22 January 2025. Cambridge Sensoriis, specialists in radar technology, has expanded its product portfolio by introducing RadarAware™, an obstacle detect-and-avoid system that supports beyond visual line of sight (BVLOS) operations. This strategic addition bolsters the company's deep expertise in radar antenna design and augments UAV operational capabilities for mission critical operations. RadarAware™ will be unveiled at **Xponential Europe**, taking place from **February 18-20 in Düsseldorf**. Visitors can see the system first-hand at **Sensoriis' stand 1E21 in Hall 1.**

Weighing less than 500 grams, RadarAware™ is believed to be the most compact and power efficient solution available on the market. The system features no moving parts, fully electronic beam steer antenna arrays, and is optimized to meet the low SWaP requirements of civil UAVs.

RadarAware™ collects and collates comprehensive data for numerous parameters including range, elevation, bearing, relative velocity, and features an inbuilt tracker. The system has been designed for seamless integration with host flight controllers via its API, ensuring quick deployment across various UAV platforms.

Steve Clark, CEO of Sensoriis said: *"The UAV industry is evolving quickly and RadarAware™ and its detect and avoid/detect and intercept capabilities are a direct result of customer requirements. We are already conducting flight testing with early adopters and have customer orders in the pipeline. RadarAware™ is the first in a series of additional devices we are planning to launch this year with increasing detection ranges up to 2,500 metres."*

Mike Hall, CTO of Sensoriis, added: *"The true benefits of radar superiority over other detection systems have not yet been fully realised because of size, weight, and cost limitations. RadarAware™, however, could be a game changer for the UAV industry because its versatility lends itself to a range of applications, including Detect-and-Avoid (DAA) and airspace management in vertiports, or interceptor missions."*

RadarAware™ marks a significant breakthrough in obstacle detection and collision avoidance technology, positioning Sensoriis as a key player in the DAA market. The system's advanced capabilities align seamlessly with Sensoriis' flagship ARC™ solution, designed to support precision landing and radar-based tethering in adverse weather, low/bright light, poor visibility conditions, or in areas without Global Navigation Satellite System (GNSS).

With the launch of RadarAware™, Sensoriis continues to lead the way in radar innovation. The company's advanced radar technology is set to transform BVLOS operations for UAVs, providing the unparalleled safety, reliability, and efficiency needed to drive drone deployments at scale.

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About Cambridge Sensoriis

Founded in 2020, Cambridge Sensoriis Ltd. is a disruptive technology company leading the development of next generation micro-radar and sensing systems for military and commercial drone deployment. Use cases include but are not limited to; commercial drone automation, UAS corridors, Beyond Visual Line of Sight (BVLOS) freight, critical infrastructure inspection, counter-UAS, blue light services and Electric flight vertiports, including airspace management and surveillance. Based on >50 years' deep domain experience in radar antenna, SWaP transceiver and signal processing design, Sensoriis' proprietary radar software stack has been built from the ground up to enable seamless integration onto any drone type. Sensoriis' ultralight radars have also been rigorously tested by industry bodies and the company has established partnerships with world class testing facilities in the UK and Europe. The company is based in Cambridge, UK.