FOR IMMEDIATE RELEASE

Orolia Unveils New GPS/GNSS Interference Simulation, Detection & Mitigation Portfolio

Encourages Industry to Prepare for GNSS Denied Environments

London, UK- September 10, 2019 – Orolia, the world leader in Resilient Positioning, Navigation and Timing (PNT) solutions, introduced its new Simulation and Interference Detection & Mitigation (IDM) portfolio, and encouraged industry to prepare for GPS/GNSS denied environments during the world's largest defense expo of 2019, the Defence and Security Equipment International (DSEI) exhibition in London.

A simple Internet search turns up numerous examples of defense and commercial operations disrupted by unintended or intentional GPS/GNSS signal jamming or spoofing. Worse, it can be virtually impossible to know if a critical system is affected without specially designed detection capabilities. Many of these incidents have been documented in Europe and Asia.*

"The risks associated with the sudden inability to navigate, communicate or react in critical situations (or even realize that you've lost control of your systems) are serious for any industry," said Orolia VP Resilient PNT Systems Rohit Braggs. "But when it comes to national security, the ability to conduct unhindered military operations is critical."

Orolia's new Simulation and IDM portfolio offers a comprehensive array of GNSS spoofing and jamming simulation, detection, suppression and countermeasures technologies. These capabilities are built on Orolia's legacy of Resilient PNT solutions, together with two key acquisitions completed this year: Skydel Solutions and Talen-X. These industry leading GNSS testing and simulation companies were selected based on their demonstrated US and Allied Forces Simulation and IDM experience, along with their global customer support networks.

Orolia's expertise ranges from strategies to protect military bases, government facilities and other fixed site locations to lightweight, software-defined technologies to thwart enemy spoofers and jammers on the mobile battlefield, whether on land, at sea or in the air. Orolia CEO Dr. Jean-Yves Courtois delivered a presentation on the importance of protecting mobile military operations from jamming and spoofing on the inaugural day of the DSEI expo, where he also introduced the company's Simulation and IDM portfolio.

"In Europe, there's no longer a question that GNSS jamming and spoofing is real and affecting both military and commercial operations," said Dr. Courtois. "We must now go beyond acknowledging the problem to putting real world solutions in place quickly. Orolia specializes in providing easy to install, proven IDM solutions to reject interference and protect critical systems."

Many current military systems are operating on older platforms that would require more expensive, long term improvements to achieve integrated GNSS signal protection. Orolia's approach offers a cost-effective solution that can be retrofitted to provide effective GNSS signal protection now.

As part of the Simulation and IDM portfolio announcement, Orolia introduced its latest advanced GNSS simulator, GSG-8. A military grade, software-defined simulator that can accommodate dozens of algorithms to conduct system testing and simulation, GSG-8 is designed for military, space and other specialized customers who require complex capabilities for harsh, high risk environments. GSG-8 can be

programmed to simulate operations with multiple GNSS constellations such as GPS and Galileo, and to incorporate the use of encrypted or proprietary signals. It may also be configured for Wavefront and Anechoic chamber simulation protocols to test anti-jam antennas and complete systems, to serve the most sensitive and challenging program requirements. To learn more about GSG-8, visit link here.

DSEI visitors are welcome to visit Orolia booth N2-225 for a demonstration of the new GSG-8 advanced simulator and an overview of Orolia's Resilient PNT suite.

*Visit Orolia's Spoofing and Jamming Resource Center at https://www.orolia.com/resources/gps-gnss-jamming-spoofing for more information.

About Orolia's Simulation and IDM Solutions

Orolia's new Simulation and Interference, Detection and Mitigation (IDM) solutions offer a suite of GNSS signal protection and simulation capabilities to ensure continuous system performance, even in GNSS denied environments.

A military IDM solution set often begins with Resilient Timing and Synchronization technology to protect ultra-precise mission timing standards, synchronize battlefield networks, and aggregate data through customized, real-time sensor fusion from multiple data sources.

Next, Orolia's comprehensive GNSS simulation suite evaluates how the military system will react in a variety of hostile battlefield conditions, including GNSS denied environments, to determine the most effective Resilient PNT solution.

Orolia's Resilient PNT Solutions for military customers often include a combination of tactical elements such as anti-jam antennas and secure/alternative signals, in addition to strategic GNSS threat detection, interference suppression and countermeasures to provide multiple layers of protection in battlefield situations.

About Orolia

Orolia is the world leader in Resilient Positioning, Navigation and Timing (PNT) solutions that improve the reliability, performance and safety of critical, remote or high-risk operations. With locations in more than 100 countries, Orolia provides virtually failsafe GPS/GNSS and PNT solutions to support military and commercial applications worldwide. www.orolia.com

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