Orolia Simulation and IDM Overview

Be Prepared for Navigation Warfare (NAVWAR) and GPS Denied Environments

Battlefield Readiness: Confirmed

Spoofing & Jamming: Mitigate Threats, Deploy Countermeasures

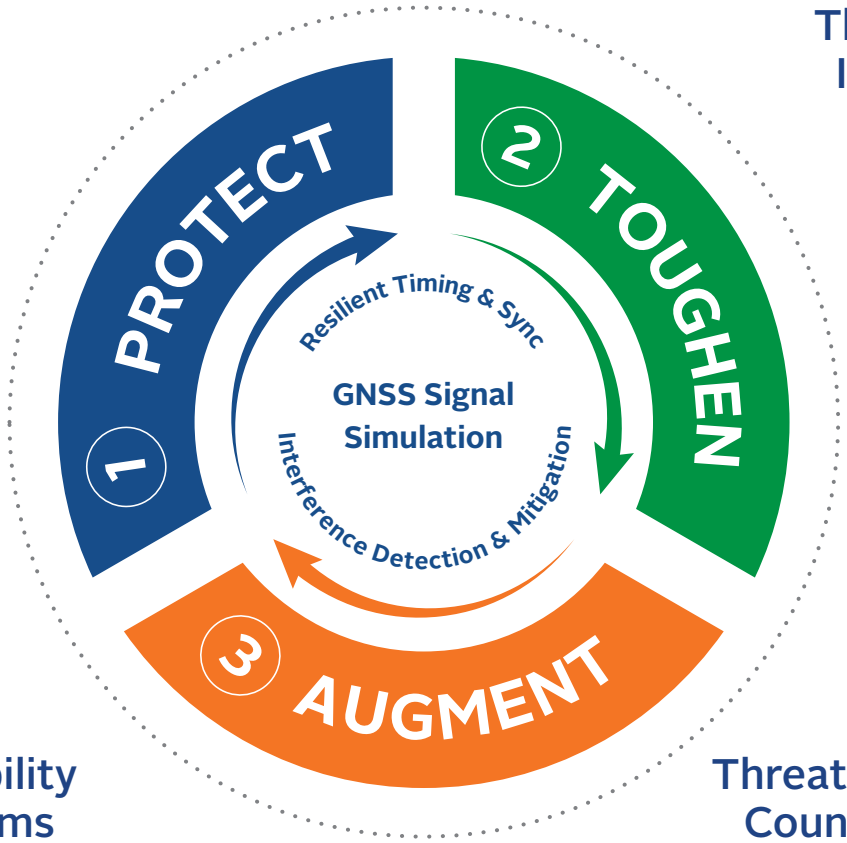
Navigation warfare (NAVWAR) is an increasing area of focus for military missions, and it includes a wide range of Electronic Warfare strategies. One of the fastest-growing threats worldwide is GPS/GNSS signal jamming and spoofing.

Although some military leaders know how to navigate without instruments, it can be virtually impossible to know if a critical system is affected without specific detection capabilities. With a corrupted signal, enemy forces can send false Positioning, Navigation and Timing (PNT) data to disrupt or defeat US and Allied military operations.

Orolia is the world leader in Resilient PNT systems, and we go one step further with comprehensive Simulation and Interference Detection & Mitigation (IDM) solutions for today's battlespace. Our Simulation and IDM portfolio offers a comprehensive array of GPS/GNSS spoofing and jamming simulation, detection, suppression and countermeasure technologies.

Interference Scenario Simulation

Threat Alert & Identification



PNT Vulnerability Testing Systems

Threat Mitigation & Countermeasures

The Global Leader in Resilient **PNT**

Protect Critical Military PNT Systems and Signals

Now more than ever, it's critical to protect military systems from the threat of signal jamming and spoofing. Orolia's expertise ranges from strategies to protect military bases, government facilities and other fixed site locations to lightweight, software-defined technologies to thwart spoofers and jammers on the mobile battlefield -- whether on land, at sea or in the air.

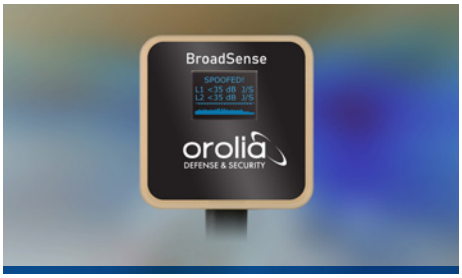
Today's military systems require advanced testing with complex spoofing and jamming scenarios to prepare for compromised environments. Orolia's revolutionary GNSS simulators model true and spoofed signals, support multiple satellite constellations and work with a variety of encrypted signals such as GPS L1/L2 P(Y), AES M-Code, and MNSA M-Code. Our IDM suite provides the full range of mitigation technologies, from interference detection and suppression to countermeasures.

Essential Testing & Simulation

A powerful, feature-rich platform with industry-leading value and affordability for any GNSS and PNT testing requirement.

Interference Detection & Mitigation (IDM)

Detect and defeat PNT signal and data integrity threats to critical systems.



Advanced & Ultra-Precise Simulation Systems

Leverage the advanced simulation features required for CRPA or system-level testing, along with COTS hardware configuration flexibility and cost effectiveness.

The Global Leader in Resilient **PNT**

orolia

Time and Location You Can Trust™

The only provider of complete Resilient Positioning, Navigation and Timing (PNT) solutions.

Proven GPS/GNSS signal protection & countermeasure technology that is available now

Continuous improvement cycle to adapt to emerging threats over time

Bolt-on, retrofit solutions that are ready to deploy

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, even in GPS denied environments. With locations in more than 100 countries, Orolia provides virtually failsafe GPS/GNSS and PNT solutions to support military and commercial applications worldwide. Orolia is proud to be a trusted partner to NATO and allied forces.

Proven Performance

The world's most PNT-reliant systems trust Orolia.

Contact

sales@orolia.com
www.orolia.com

26 September, 2018. Orolia Simulation and IDM Overview