Orolia Defense Overview

Assured Positioning, Navigation and Timing (PNT) solutions for the world’s most critical defense and security applications – even in GPS denied environments.
**Technical Specifications: SecureSync SAASM**

**Assured PNT: Mitigate the Threat**

Today’s military forces rely on continuous and accurate Positioning, Navigation and Timing (PNT) signals to provide leaders with actionable information to make timely and effective decisions, even in GPS denied environments. As GPS and other GNSS signals become ubiquitous in defense operations, threats to the availability and integrity of these signals are growing.

Threats to GPS affect numerous military defense systems, all of which rely on trusted GPS for PNT. Whether from unintentional interference, or intentional jamming and spoofing, the need for continuous, trusted PNT data has prompted military forces to detect and mitigate these battlefield threats.

**The Orolia PNT Advantage**

From dismounted warfighters to vehicles, military systems and command and control centers, Orolia’s PNT technology ensures armed forces have the situational awareness data needed for rapid, informed decision making in all conditions. Our elite team of former military leaders, technology innovators and renowned engineers continues to lead the way forward for defense readiness and resiliency in the face of growing threats to GNSS signals. PNT is the core of what we do at Orolia, with a comprehensive end-to-end suite of Assured PNT solutions trusted for continuity of operations, even in GPS denied environments. Our proven history of Assured PNT has ensured mission success and saved lives in over 100 countries for over 70 years.

**Scalable, Modular, Cost-Effective PNT for Every Mission Requirement**
Safety, Security and Reliability for Rugged Military Operations

Orolia offers an affordable, bolt-on approach to Assured PNT with a flexible, open architecture that can integrate easily with any legacy system. Our layered platform increases security on a flexible scale to meet specific requirements without over-engineering a solution that is complex, expensive and difficult to maintain. Protect your military operations in GPS denied environments with the most comprehensive solution available today from the global experts in PNT technologies.

Mission Areas

**Mobile Mission Systems**

Rugged, mounted timing, frequency and position systems with dismounted wearable devices to provide virtually failsafe PNT data.

**Networks and Infrastructure**

High precision time servers and anti-jamming/spoofing detection software to synchronize critical networks and infrastructure operations while protecting system integrity.

**Testing and Services**

GNSS vulnerability testing and sophisticated multi-constellation simulation solutions for the confident deployment of battlefield systems.
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.

Orolia PNT Capabilities

- Fail-Safe Rugged Solutions
- Industry Leading Interference Detection and Mitigation
- RF Cybersecurity

- Smart Engineering
- Trusted Design & Manuf.
- Turnkey & Customized
- SWaP and User Friendly

- Lifesaving Solutions
- Type Approved Certified Devices
- High-Availability Critical Systems

- Atomic Clocks
- Oscillator and IMU Disciplining
- Signals of Opportunity
- Sensor Fusion

- Time-Sensitive Networks
- PNT-stamped Databases
- Search & Rescue
- Decision Support Systems

Meeting requirements at the best value with a flexible, configurable and scalable open architecture approach.

Proven Performance

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

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