

ThayerMahan's Outpost® Acoustic Intelligence Payloads Selected for Large- Scale Deployment



ThayerMahan to deliver dozens of Outpost acoustic intelligence payloads to international defense customer.

From ThayerMahan Inc.

GROTON, Conn., June 25, 2026 /PRNewswire/ – ThayerMahan, Inc. has been awarded a contract to deliver dozens of Outpost® acoustic intelligence payloads, along with TransparenSea® processing software, to an international defense customer. The award represents one of the largest fielded deployments of unmanned acoustic sensing systems supporting persistent undersea surveillance and USW (Undersea Warfare) missions.

The selection followed a rigorous, multi-phase evaluation that included controlled validation, extended at-sea deployments, and head-to-head comparative trials against multiple payloads under representative mission conditions. Testing focused on detection performance, tracking reliability, system endurance, power efficiency, and integration with unmanned platforms.

During multi-month deployments, Outpost® and TransparenSea® demonstrated continuous wide-area acoustic surveillance, detecting, classifying, and tracking targets of interest at operationally relevant ranges, with near-real-time delivery of actionable acoustic intelligence to shore-based Maritime Operations Centers. The systems met or exceeded performance expectations for both surveillance and USW missions while operating within constrained power and size profiles typical of small, unmanned platforms.

Key factors supporting selection included:

- Persistent coverage: Continuous operation over extended deployment periods
- Detection and tracking performance: Reliable target hold and classification at range
- Low power consumption: Enabling long-duration unmanned operations
- Ease of integration: Minimal platform modification required
- Near-real-time data delivery: Actionable data landed in shore-based Maritime Operations Centers for rapid decision making

- Analyst usability: Intuitive interface reducing operator workload and training burden

“Persistent, wide area acoustic sensing requires consistent performance over time, which is why we spent the last decade perfecting our capability,” said Mike Varney, President Products & Engineering, ThayerMahan. “ThayerMahan sets the global benchmark for unmanned acoustic intelligence. Outpost and TransparenSea have been repeatedly validated under operational conditions, which was a key factor in this selection.”

The contract reflects increasing demand for scalable, unmanned acoustic sensing solutions that can rapidly be deployed to extend maritime domain awareness without reliance on traditional crewed assets.

“This award aligns with the need for operationally relevant, fielded capability that delivers consistent surveillance and USW performance,” said Mike Connor, Chairman and CEO. “The focus is on systems that work as deployed – reliably, at scale, and with immediate mission impact.”

The awarded systems are exportable and production-ready, supporting rapid fielding timelines and broader adoption of distributed, unmanned sensing architectures for undersea domain awareness.