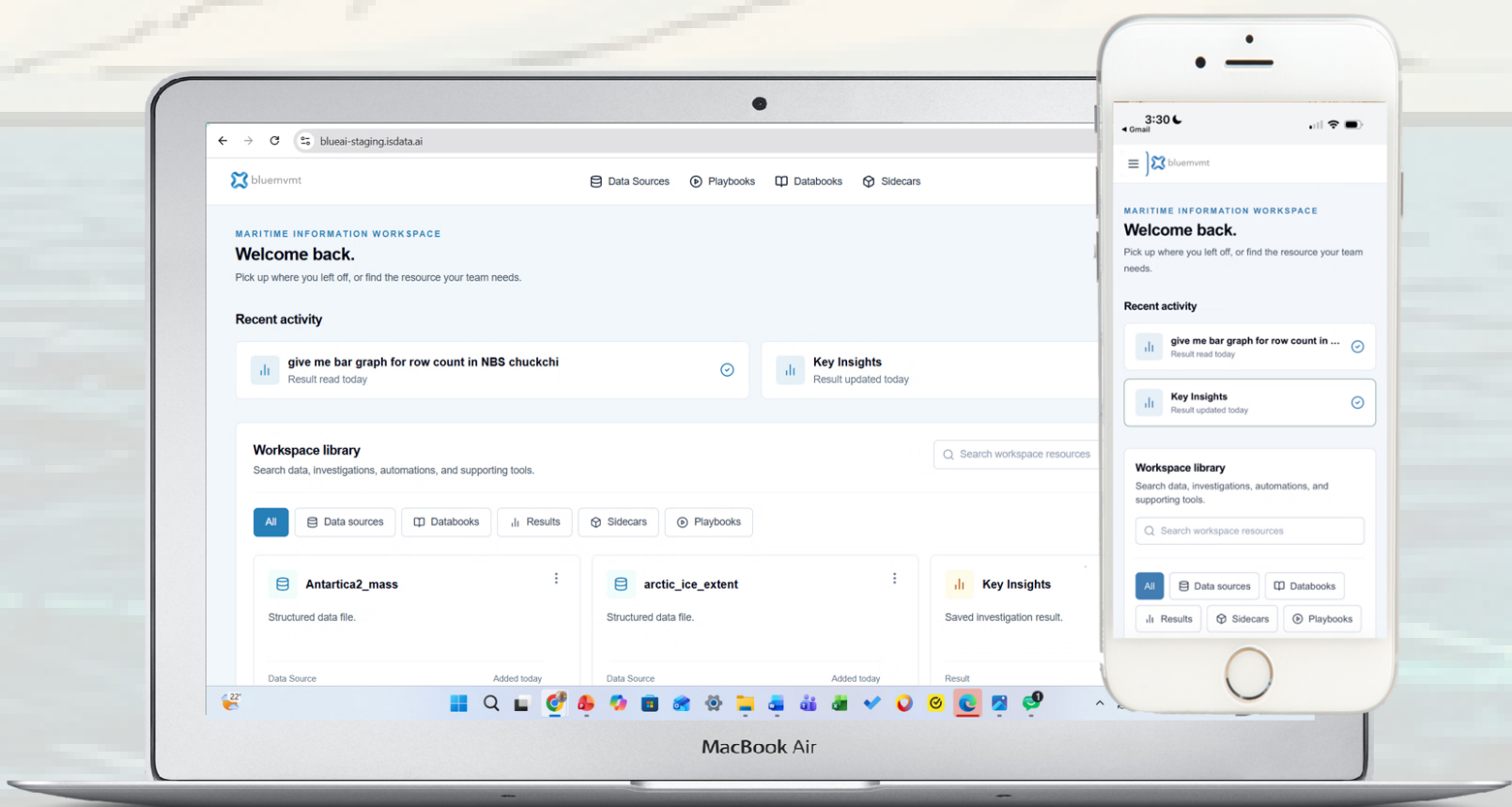


The Blue Economy's Cloud Platform

Bluemvmt's mission is to deliver cutting-edge solutions that empower organizations to harness the full potential of their data, enabling informed decisions, driving innovation, and achieving mission-critical objectives. At the core is the Bluemvmt Cloud Platform (BCP), a revolutionary conversational analytics solution leveraging RAG-based chat, sensor fusion, and a cloud-based Unified Data Fabric to transform structured and unstructured IoT data into actionable insights. BCP serves high-value, data-intensive markets: Ocean Researchers, Ports & Harbors, and the Defense Industry, enhancing UAV autonomy, national security, and environmental monitoring.



Search (AI enabled)

Natural language queries and vectorized discovery surface relevant insights from fragmented IoT datasets which are critical for time-sensitive national security decisions.

Ingest (Orchestrate)

Robust ETL framework automatically integrates diverse IoT devices; drones, underwater sensors, satellites, with scalable processing and smart data preparation.

Analyze (Data Insights AI)

RAG-based chat uses natural language to reduce the time and expertise needed to discover actionable insights.

Act (Sidecar Technology)

Modular, scalable integration deploys insights into third-party tools or custom apps, operating seamlessly in cloud or edge environments with dynamic resource scaling.

Advanced AI & Analytics Tools

"Analyze This"

AI-powered natural language interface for conversational data analysis, bypassing coding expertise and delivering immediate, contextually relevant answers.

Integrated ML Lifecycle

Jupyter Notebooks + MLflow enable interactive prototyping, experiment tracking, and end-to-end deployment in a single platform.

Simulation Support

Integrates Bellhop 2D/3D and Hi-Res Coastal Models for precise environmental forecasting, UAV behavior optimization, and real-time route planning.

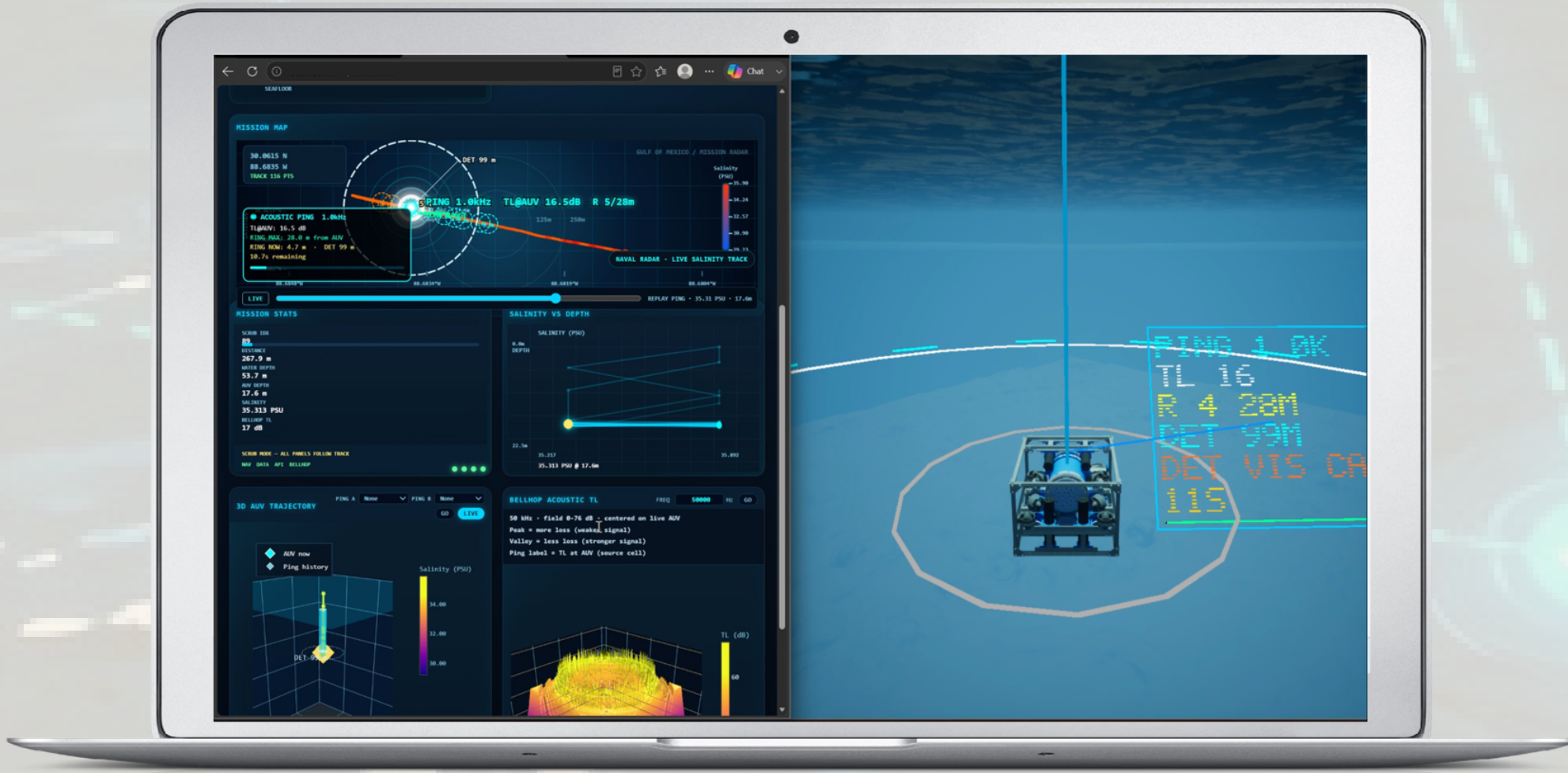
Stop building your own cloud. Use our platform for less costs than a legacy solution.

Digital Twinning: Powered by the Bluemvmt Cloud Platform

Interactive 3D ocean floor models integrating satellite imagery, sensor feeds, and physics models. Stakeholders explore marine environments via any browser, clicking to access tidal data, biochemistry, and wave attenuation, while running "what-if" scenarios for Marine Spatial Planning or parameter testing scenarios to inform feasibility studies.

The platform’s capabilities directly align with the challenges we face in increasing UAV autonomy, adaptability and resilience in dynamic operational environments.

Erik Brine
Former Director, 401 Tech Bridge



Additional Platform Features

Collaboration

Secure real-time sharing of insights, datasets, and models with RBAC/ABAC controls. Cross-tenant collaboration extends to Databooks, AI conversations, ML pipelines, and Digital Twin Sidecars.

Playbooks

Automate complex workflows by bundling datasets, queries, and GenAI instructions into repeatable, trigger-based processes, enabling even non-technical users to execute sophisticated analyses.

Scalable Sidecars

Pre-integrated Kubernetes sidecars enable independent deployment and auto-scaling of CPU, GPU, memory, and storage, supporting niche analytical workflows without over-provisioning.