

FeatureLab: Powering Insights From Seafloor to Surface

Commercial survey teams are flooded with sonar and bathymetry data, and manual review drains vessel days and project budgets. FeatureLab enables fast, explainable detection of anomalies and hazards. Our CNN-based deep-learning engine turns raw sonar pings and other sensor data into mission-ready intelligence in seconds: operators train and deploy their own computer vision models on a sensor-agnostic secure platform.

Custom models flag seafloor hazards—boulders, debris, pipeline exposure—today, with multi-sensor fusion coming soon. Train in an afternoon, refine as projects evolve, and finish survey faster while slashing re-interpretation time.

Control Your Data



Build and customize your own models. Keep models and data proprietary and confidential.

Work Seamlessly



Easily integrates with existing workflows, reducing time-to-value.

Move Faster



Cut project timelines, reduce labor costs, and speed up critical decision-making processes.

FeatureLab enables teams to reduce target identification time by 90%, cutting vessel days and re-survey risk.

Key Capabilities

- **No-code AI pipeline** – annotate, train, and deploy object-detection models in one flow
- **Domain-aware** preprocessing
- **Real-time** model performance feedback
- **Supports** side scan sonar and general imagery formats
- **Secure & encrypted** – sovereign weights, offline operation
- **Interactive map viewer**

Functionality Coming Soon

- **Edge deployment** – signed runtimes for Jetson & shipboard servers
- **Area-based segmentation** – seabed masks & seabed change maps
- **Sensor expansion & fusion** – multibeam, seismic, point cloud
- **Advanced explainability toolkit** – anomaly scoring & confidence bands
- **Plugin SDK** – bring-your-own model & export format