

# DeepSeaGuard: Real-Time Compliance & Environmental Monitoring

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*Mining data, not destruction.*

## What is DeepSeaGuard?

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DeepSeaGuard (DSG) is a real-time monitoring and compliance dashboard for deep-sea mining and ocean operations. It automates environmental data collection, reporting, and compliance submission to regulators like the International Seabed Authority (ISA) and NOAA.

## The Problem:

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- Companies spend weeks compiling compliance reports.
- Manual processes risk delays, penalties, or shutdowns.
- Regulators demand standardized digital, georeferenced data.

## The Solution:

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DSG gives operators:

- **Real-Time Dashboards** – live monitoring of activity, alerts, and ISA zones.
- **Automated Compliance Reports** – formatted and ready for submission.
- **MapView** – overlays of nodules, AUV locations, and ISA contract zones.
- **Alerts System** – instant notifications if operations fall out of compliance.
- **Data Export** – ISA-approved formats for geology, environment, and metadata.

## Benefits:

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- Save weeks of manual reporting.
- Lower risk of fines or operational shutdown.
- Build trust with regulators and investors.
- Operate with full transparency.