

SMART ENVIRONMENTAL MONITORING WITH ANALYTICS

See the full picture air quality, emissions, and environmental data unified in one dashboard.

An intelligent system that transforms compliance monitoring into actionable environmental intelligence.

Meet **FOUNDRY360**

A unified platform designed to simplify monitoring, analytics, and visualization across multiple domains from ports and vessels to environmental systems.

Built to help you see more, decide faster, and act smarter.

If you can imagine it, we can bring it to life.

Meet **FOUNDRY360**

As a leading industry player in telematics & maritime, PinC specialises in creating innovative user-centric solutions.

We empower businesses to harness the unlimited potential of IoT, data analytics, artificial intelligence & data visualisation.



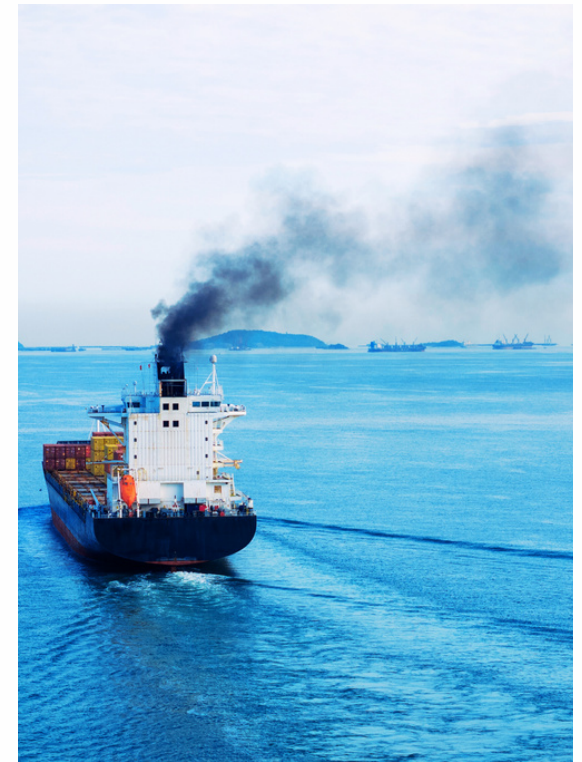
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Powered by **FOUNDRY360**

foundry360.io

FOUNDRY360

Key Benefits

Environmental Compliance

- Automates data collection and reporting for MARPOL Annex VI, GloMEEP, and DEFRA standards.
- Provides traceable emission inventories for audits and verifications.

Operational Efficiency

- Centralizes multi-source emission data — from vessels, terminals, and IoT sensors — into a single dashboard.
- Reduces manual data entry time through automation and intelligent data validation.

Transparency & Accountability

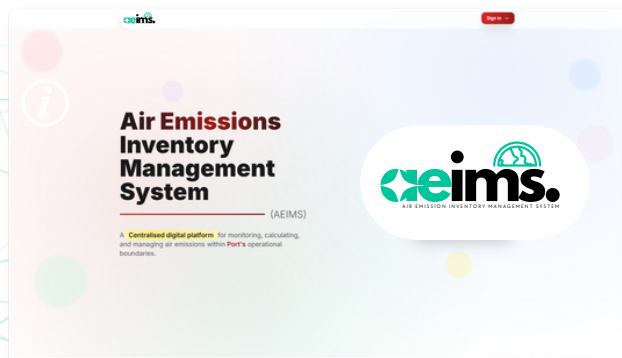
- Offers full audit trails for all submissions and configuration changes.
- Strengthens data governance and reporting reliability.

AI-Assisted Analytics

- Predicts potential emission spikes and trends using built-in machine learning.
- Provides proactive notifications for non-compliance or unusual readings.

Integrated Chatbot Assistant

- In-app chatbot guides users on data entry, report generation, and troubleshooting.
- Supports port operators, tenants, and agencies with real-time help and knowledge base.



Main Features



Data Management

- Automated and manual data entry for Scopes 1–3 (GHG Corporate Accounting Standard).
- Data retention control for different entities and emission factors.
- Audit Trail logs every activity for traceability.



Sensor Integration

- Real-time monitoring of CO₂, CO, SO₂, PM_{2.5}, and PM₁₀ sensors.
- Displays device health, temperature, and calibration cycles.
- API connectivity with Oizom for continuous updates.



Reporting

- GloMEEP and GHG Corporate Standard reports with emission breakdown by source and scope.
- Automated chart and table views for analysis.
- Exportable CSV and PDF summaries for compliance filing.



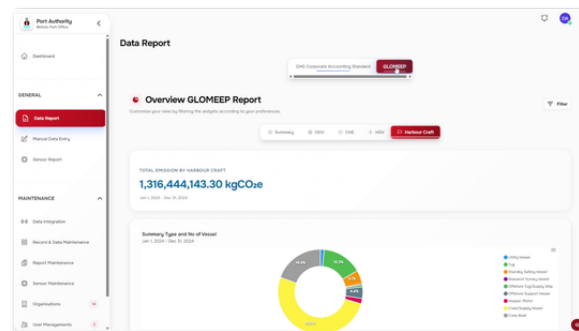
Forecasting & Analytics

- AI engine analyzes emission patterns and forecasts high-risk zones.
- Correlates emission sources with weather and activity data for deeper insights.



Chatbot Assistance

- Context-aware support for data submission, interpretation, and alert actions.
- Provides guidance on buffer periods, scope classification, and sensor health checks.



Dashboard Modules

Sensor Report Dashboard

- Real-time visualization of online/offline sensors, pollutant levels, and critical alerts.

Data Report Module

- Generates dynamic GloMEEP and GHG Corporate reports by organization, scope, or emission type.

Manual Data Entry & Validation

- Allows organizations to record activity data (fuel, water, electricity etc.) within set buffer periods.

Audit Trail & Record Maintenance

- Tracks every update or change in emission data for complete transparency.

Data Integration Monitor

- Displays API health status with latency and connection diagnostics.

Sensor Maintenance Module

- Manages registration, calibration, and battery health of field devices.

Organization & User Management

- Admin view to onboard port tenants, agencies, and operators with live status tracking.

AI Chatbot Panel

- Provides interactive guidance, auto-responses, and quick navigation across modules.

