

# ECOTRACK PRO

The Green Ledger for the 2026 Regulatory Era

Enterprise Compliance Infrastructure & Audit-Ready Carbon Intelligence

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# The 2026 Regulatory Landscape

Navigating CBAM and the Transition to High-Fidelity Reporting

# MITIGATING FINANCIAL LIABILITIES

**\$12.4k**

Projected Q1 CBAM Liability

## The Cost of Uncertainty

Carbon is now a hard financial tax. Errors in reporting result in direct fiscal penalties. EcoTrack Pro converts carbon from a PR metric into a verified financial ledger entry, ensuring bottom-line protection.



# ZERO-TRUST SECURITY ARCHITECTURE

## Identity-First Data Isolation

Leveraging Keycloak OIDC 1.0 for federated identity and PostgreSQL Row-Level Security (RLS) to ensure absolute tenant isolation at the persistence layer.

Multi-tenant data silos enforced by DB kernel.



Cryptographically signed JWT session context.



Stateless, cloud-native scalability.





# CORE FUNCTIONAL INFRASTRUCTURE



## The Green Ledger

Audit-ready record keeping for Scope 1, 2, and 3 emissions with hashed evidence links.



## Neural Insights

Gemini 2.5-powered strategy generation for cost-effective emission reduction pathways.



## Regulatory Export

One-click CBAM XML generation with automatic XSD validation for EU TARIC portals.



# HIGH-PRECISION CARBON TRACKING

## IoT-Verified Provenance





Moving from estimates to evidence. Our system integrates directly with industrial IoT sensors and grid meters to provide real-time emission data with 98% confidence scores.

Every gram of CO<sub>2</sub>e is traced back to a specific timestamp and installation ID, creating an immutable chain of custody for environmental auditors.





# ADVANCED SCOPE 3 METHODOLOGY

-  **Spend-Based Estimation:** Rapid mapping of indirect procurement using EEIO factors for initial footprinting.
-  **Activity-Based Analysis:** High-fidelity mass-balance calculations for primary raw materials and logistics.
-  **Supplier-Specific Data:** Direct integration with supply chain partners for primary Product Carbon Footprints (PCF).
-  **Confidence Scoring:** Automated reliability ranking of data sources to identify audit risks before filing.



# STRATEGIC EMISSION REDUCTION ROI



*Precision data reduces the "Risk Premium" often applied by regulators during carbon border adjustments.*

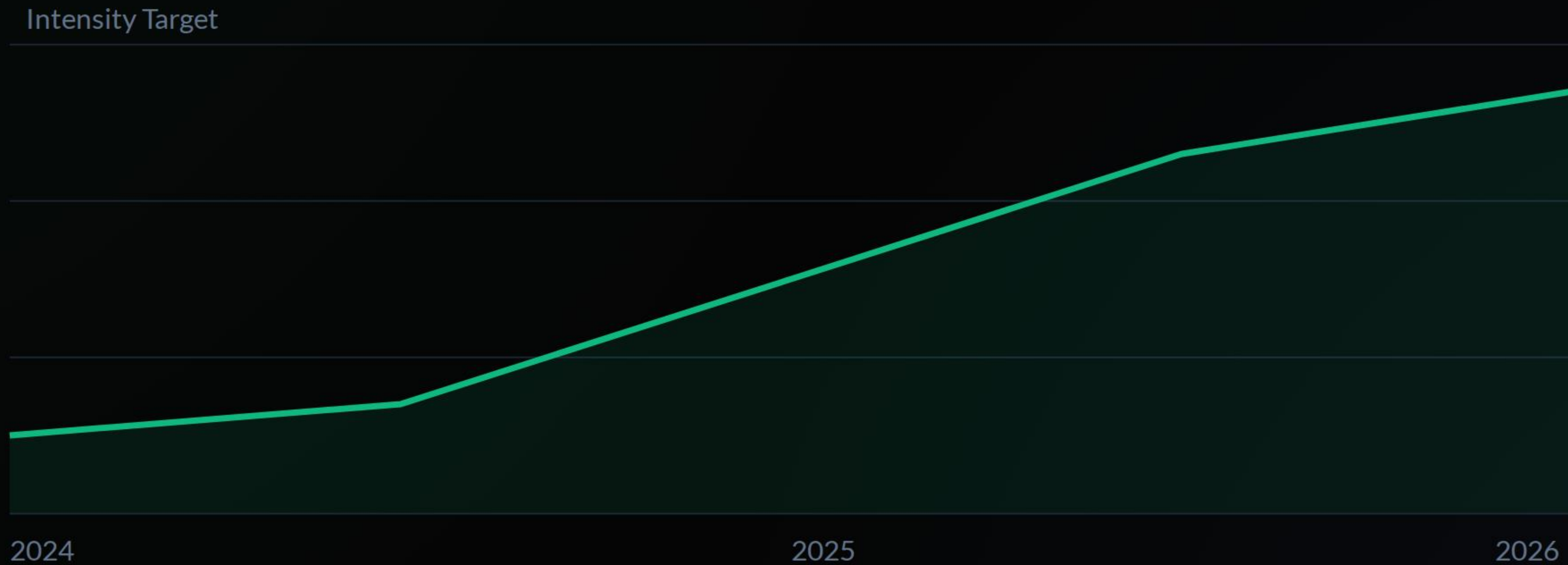


# FEATURE PERFORMANCE COMPARISON

Compliance Capability	Standard Reporting	EcoTrack Pro
Regulatory XML Generation	Manual / Spreadsheet	Automated / Schema-Verified
Data Confidence Score	Unspecified	Real-time 0.0 - 1.0 Weighted
Audit Integrity Hash	None	SHA-256 Per Record
Multi-Tenant Security	Application Level	Kernel/DB Level (RLS)



# CARBON INTENSITY MARKET PROJECTIONS



Systematic transition toward low-carbon intensity required to maintain competitive EU export margins.



# SEAMLESS ENTERPRISE INTEGRATION

## ERP Native Connectors

Direct synchronization with SAP S/4HANA, Oracle NetSuite, and Microsoft Dynamics 365 ensures financial activity data flows into the Green Ledger without human intervention.

## Observability Stack

Built-in OpenTelemetry instrumentation for full trace visibility from ERP ingestion to regulatory XML generation, visible in Grafana Tempo dashboards.



# Initiate Your Roadmap

Secure your carbon ledger. Protect your global margins.

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**EcoTrack Pro Compliance Hub**

v2026.1 Enterprise Edition | Berlin • Düsseldorf • Silicon Valley



# IMAGE SOURCES



[https://static.vecteezy.com/system/resources/previews/060/211/911/non\\_2x/guard-shield-cyber-security-concept-with-glowing-low-poly-shield-on-dark-background-wireframe-low-poly-design-abstract-futuristic-illustration-vector.jpg](https://static.vecteezy.com/system/resources/previews/060/211/911/non_2x/guard-shield-cyber-security-concept-with-glowing-low-poly-shield-on-dark-background-wireframe-low-poly-design-abstract-futuristic-illustration-vector.jpg)

Source: [www.vecteezy.com](https://www.vecteezy.com)

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