

ECOTRACK PRO

The Green Ledger for the 2026 Regulatory Era

Enterprise Compliance Infrastructure & Audit-Ready Carbon Intelligence

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.

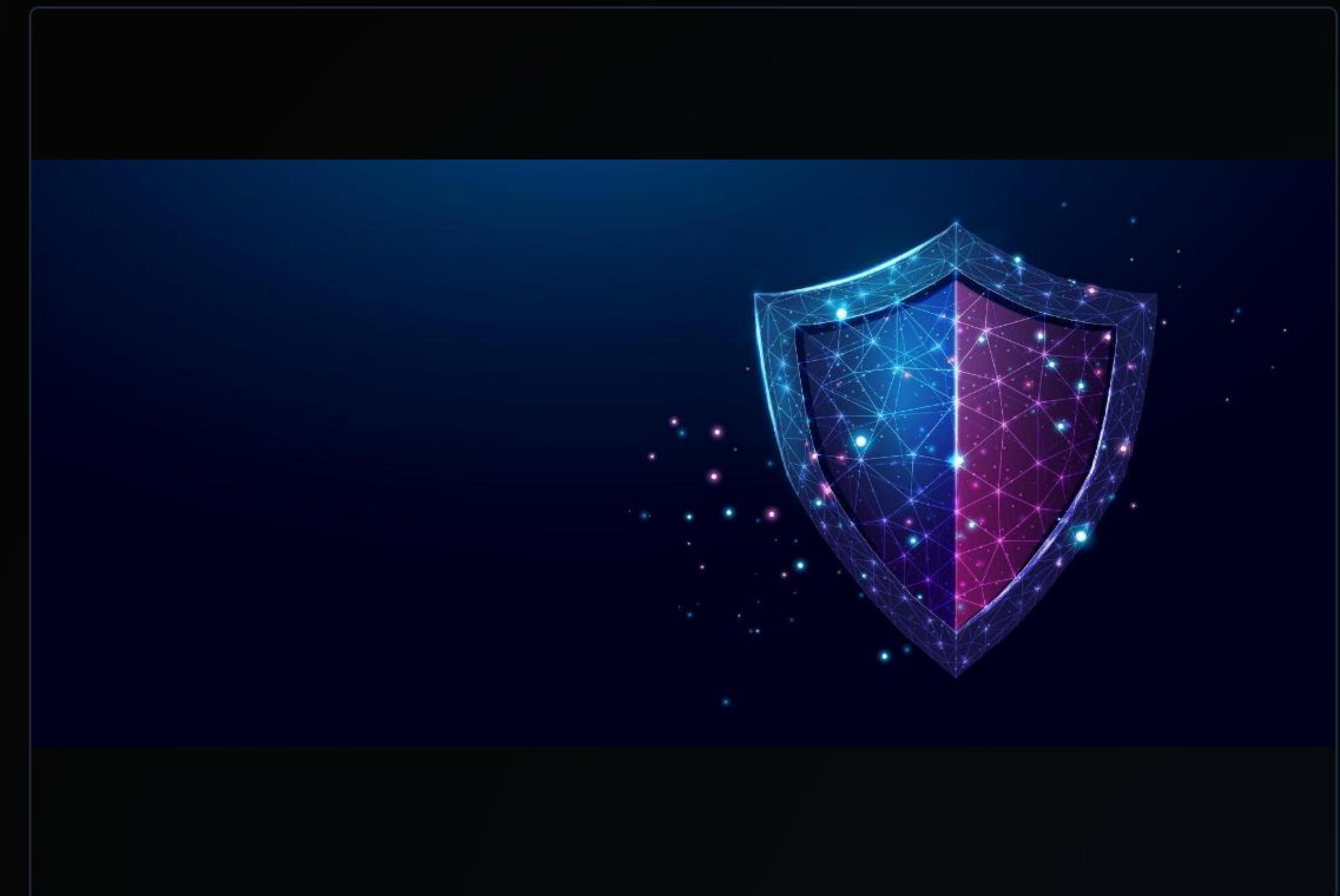
ZERO-TRUST SECURITY ARCHITECTURE

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 EUTARIC 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 CO₂e 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

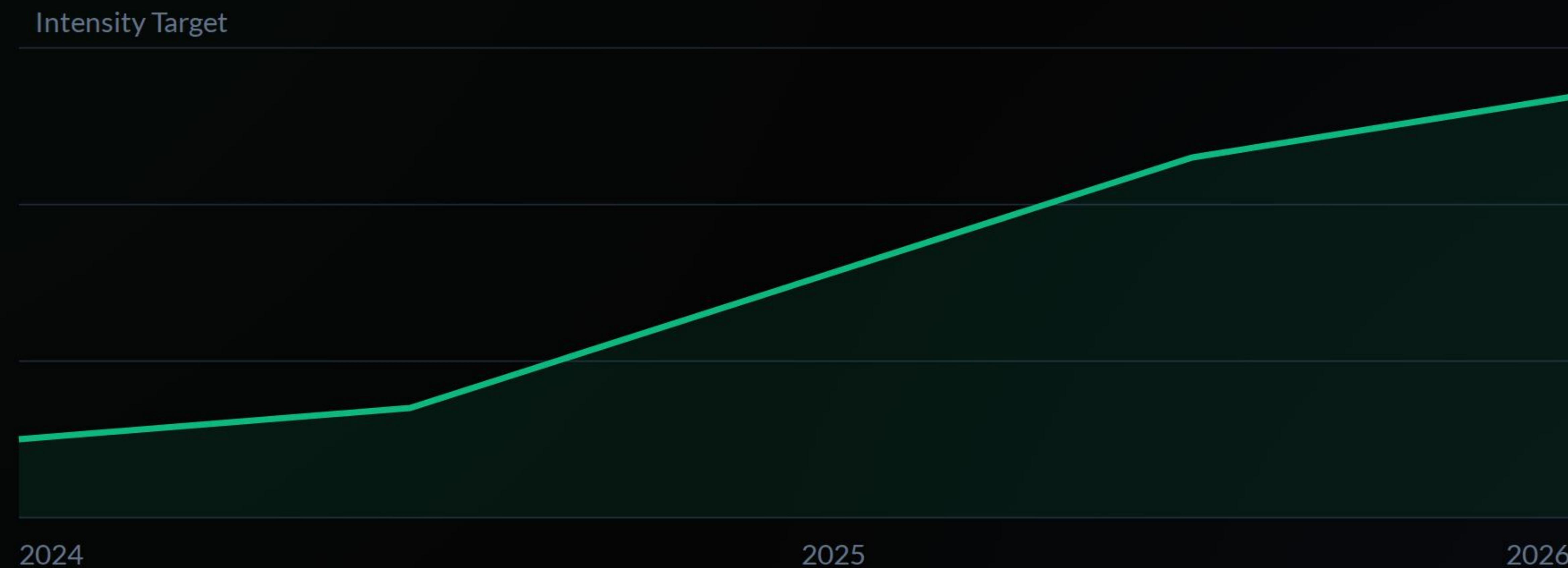


Precision data reduces the "Risk Premium" often applied by regulators during carbon border adjustments.

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.

EcoTrack Pro Compliance Hub

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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

Source: www.vecteezy.com



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