INTELLIGENT APPLICATION SOLUTION:
Carbon Accounting

ClearDox

ClearDox **Carbon Accounting Application** is one in a suite of web-based intelligent applications which are designed to enrich data and automate commodity trading processes, through the digitization and reconciliation of multiple sources of unstructured and semi-structured data.

ClearDox applications are customized with AI models and data driven workflows to operate in synergy with underlying systems of record — adding clarity, context and control to the data surrounding trading, operations, settlement and reporting activities.

Solution Overview

The ClearDox **Carbon Accounting Application** is a modern software solution pivotal to compliance and sustainability reporting within the ClearDox Platform. This Intelligent Application supports businesses seeking to streamline and optimize their carbon accounting processes.

The current document-intensive and fragmented approach to gathering data, normalizing, and classifying emissions is not only challenging, it risks non-compliance, reputational damage, and lost financing opportunities. Our solution is designed to enhance data collection and accuracy, scope classification and offset and carbon credit analysis to streamline reporting requirements in line with complex and evolving regulations.

By leveraging advanced AI models and data-driven workflows, the Carbon Accounting Application empowers ESG Analysts by enhancing data accuracy, improving efficiency, and ensuring compliance with regulatory requirements.

Intelligent Application Key Features

Data Enrichment & Automation: Enrich carbon accounting workflows by digitizing and categorizing multiple sources of unstructured and semi-structured data, including utility invoices, emission reports, energy consumption records, and sustainability metrics.

AI Models: Our proprietary approach to leveraging best-in-class digitization technology excels in extracting and matching commercial trade information from various sources with unparalleled accuracy and efficiency.

Multi-Source Reconciliation Engine: With ClearDox, users can reconcile external documents from multiple sources with the standards such as the GHG Protocol, ensuring strict conformity and providing transparency to carbon footprint.

Streamlined Document Management: With robust document categorization, storage, grouping and search features, ClearDox simplifies the handling of regulatory related documents, ensuring seamless access and organization.

Optimized Decision Making: AI-driven insights and recommendations empower informed decisions regarding carbon emission reduction strategies, compliance initiatives, and resource allocation.

Comprehensive Tracking and Reporting: ClearDox Carbon Accounting Application provides transparent and auditable reporting capabilities, enabling organizations to communicate their environmental performance effectively to stakeholders, investors, and regulatory bodies.

Solution Components

Documents: Propriety approach to AI model application and maintenance to extract relevant information from sustainability reports and supporting documents, even when embedded in blocks of plain text.

- Sustainability Reports
- Utility Bills
- Fuel Consumption Records
- Transportation Reports
- Energy Audit Reports

Automations: Compliance & Sustainability Dashboard to support data driven workflow

- *Integration:* System of records (C/ETRM, ERP) for emission producing activity and related data, Carbon Credit offset views for material operations
- *Business Logic:* Rules engine to manage Scope 1, 2, and 3 classifications
- *Reconciliation:* Multi-way reconciliation built on robust system configured pairing and matching logic with embedded workflow to accept and reject
- *Approvals:* embedded document status to manage throughput and approval for digitization and document parsing
- *Versioning:* automated side by side view to quickly assess updates across multiple versions
- *Communication:* in-app commenting for online collaboration

Reporting:

- Document Status Dashboard
- GHG, Scope 1,2,3 report by activity and year
- Full audit capabilities on document, data, reconciliation, commenting and associated workflows

Storage:

- Systematic linking of documents and records for file organization, storage, and retrieval
- Scalable infrastructure to respond dynamically to storage requirements

Integrations: Flexible options to integrate data

- *Inbound:* Email, API, SFTP, Web Scraping
- *Outbound:* REST API, Event Hub

Deployment, Security & Compliance:

- ClearDox SaaS environment operates on AWS, GCP, and Microsoft environments
- Multiple deployment options including multi-tenant, private cloud, and on-premises
- Provides data encryption in transit and at rest
- Multi-factor authentication and support for SSO authentication
- SOC2 Type 1 Compliance

ClearDox® allows commodity-intensive businesses to reduce decision risk with better information by digitizing and automating critical data-intensive processes. We are unique in the space by offering turnkey SaaS solutions embedded with operational AI-models specific to your commodity trade lifecycle gaps and challenges.

Please refer to our Software Pricing Policy for more information.
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