

Fusion CTRM for Carbon Trading

Managing Complexity. Enhancing Profitability. Delivering Sustainable Growth.

Why Leading Carbon Traders Choose Fusion CTRM

Carbon markets are expanding rapidly as governments, corporates, and financial institutions embrace net-zero targets. With multiple compliance schemes, voluntary standards, complex credit structures, and intense price volatility, trading carbon has become a highly data-driven enterprise. Fusion CTRM by Fendahl delivers a purpose-built platform to manage the full lifecycle of carbon trades—optimizing profitability, ensuring compliance, and supporting ESG commitments—all in one integrated solution.

A smarter way to manage carbon—financially, physically, and sustainably.

Five Reasons Carbon Traders Choose Fusion CTRM:

- **Full Pricing Flexibility** – Manage compliance instruments (EU ETS, UK ETS, RGGI, CORSIA) and voluntary credits (VCS, Gold Standard, CDM, J-VER).
- **Credit Management** – Supports both credit and transactional limits on counterparty, trader, commodity, Strategy and location with real-time notification of breach.
- **Comprehensive Cost & Invoicing Control** – Automate settlements for spot, futures, and OTC trades across multiple registries and currencies.
- **Integration Capabilities** – Fusion functionalities can be invoked with APIs and can be integrated with third party applications for receiving or sending data through API interfaces.
- **Credit & Attribute Tracking** – Track project type, registry, serial numbers, issuance vintage, and retirement status with full audit trail.
- **Reporting and Visual Dashboards** – Supports trade lifecycle & position reports, risk and compliance reports, logistics and inventory reports, back office and accounting reports, profitability and attribution reports, operational efficiency reports. Automate carbon reporting, support CSRD, IFRS S2, GHG Protocol compliance, and streamline MiFID II/EMIR requirements.
- **Robust Risk & Hedge Management** – Hedge exposures with carbon futures/options and run VaR, stress testing, and scenario analysis.
- **Printable Forms** – Supports printing of documents like confirmations, recaps, invoices & quality in various formats like word, PDF or HTML on user's own template.
- **Workflow Management** – Supports a complete workflow management of trade, invoice, operations and counterparty onboarding with multi-level approvals with real time notifications.
- **Modern Design & Usability** – System is built on a modern technology platform. By leveraging the capabilities that the modern technology has to offer, Fusion renders a rich experience to its users.

What Fusion Delivers at Every Step of the Carbon Trade Lifecycle



Market Analysis & Pre-Trade Tools

- Executive Reporting provides historical, benchmark-linked (EUA, CER, VER) and forward pricing insights.
- What-If Analysis simulates policy shifts, supply/demand shocks, and regulatory changes.

Trade Execution & Pricing Flexibility

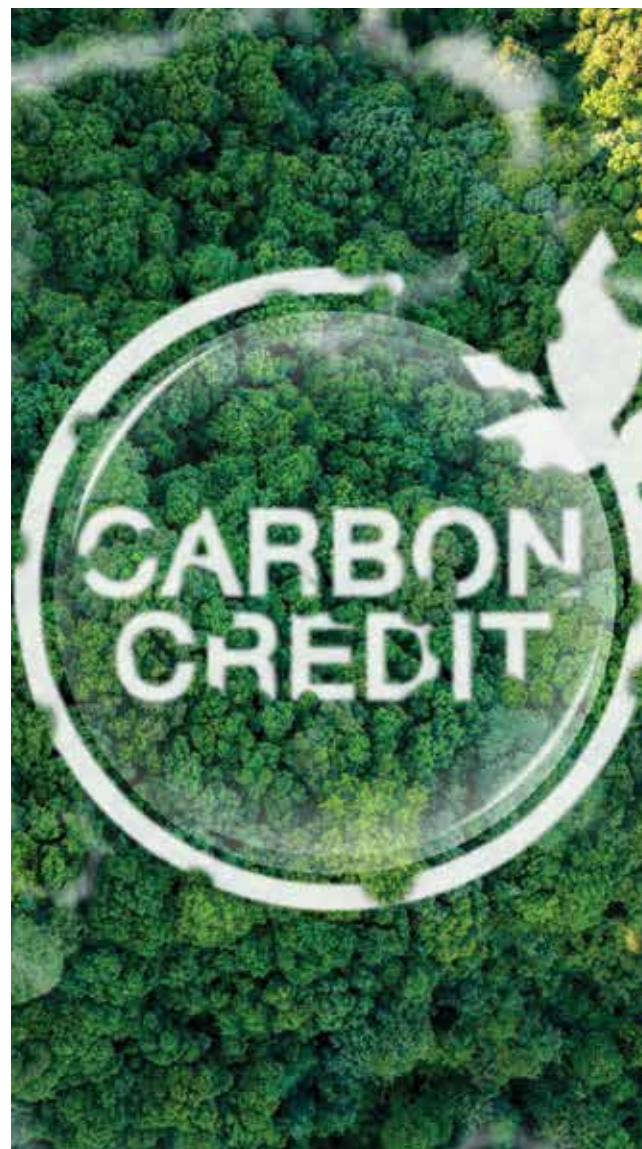
- Supports spot, forward, futures, options, and structured trades.
- Capture trades via manual input, Excel, API, or OCR automation.
- Manage inter- and intra-company trades across compliance and voluntary markets.
- Configure complex pricing models across contracts—fixed, index-based, differential spreads, and component-triggered pricing.
- Trade confirmations with versioning of each edit.

Risk Management, Hedging & Credit Controls

- Run hedge strategies with carbon allowances, futures, and options.
- Perform VaR (Monte Carlo, Historical, Parametric), stress testing, and scenario planning.
- Dynamic dashboards visualize real-time P&L, positions, and exposures.
- Onboard counterparties with configurable KYC workflows and approval hierarchies.
- Monitor credit limits by counterparty, region, or portfolio—with automated blocking triggers.

Logistics, Custody & Inventory Management

- Track carbon credits by registry (EUA, VCS, GS, CDM, etc.) with unique serial number management.
- Manage inventory of issued, transferred, and retired credits.
- Handle corporate credit allocation and retirement workflows linked to offsetting commitments.
- Full audit trails for credit origination, transfer, and retirement.



Finance, Invoicing & ERP Integration

- Model secondary costs (transaction fees, registry costs, verification expenses) with FX and Tax automation.
- Batch invoice generation with workflows for prepayments, provisional, and final invoicing.

ESG, Quality & Regulatory Compliance

- Support corporate ESG reporting under CSRD, IFRS S2, GHG Protocol, and voluntary frameworks.
- Track carbon project attributes (renewable, forestry, energy efficiency, CCS, blue carbon, etc.).
- Automate compliance with MiFID II, EMIR, REMIT, and EU ETS reporting requirements.



Integration Capabilities

- Supports STP with prebuilt adaptors with exchanges like ICE, CME, TT and SGX etc.
- Supports integration with operation and vessel management tools like IMOS, INTRA, DTN etc.
- Integrates with SAP, Oracle, Microsoft Dynamics 365, QuickBooks, Xero, and Odoo via API/file exchange.
- Supports integration with price providers like Bloomberg, Reuters, Platts, Argus, Zema etc.
- Supports integration with brokers like StoneX, Marex.

Security and Audit

- Supports SSO and MFA based logins.
- ISO 270001 and SOC1 Type 2 certified.
- Single Tenant environments for each customer.
- System supports role-based user logins with customizable stage- and status-based access rights, complemented by data security that enforce granular protection by commodity, trader, location, and internal company boundaries.
- System provides comprehensive audit support at the object level, ensuring that every modification, access, and workflow transition is traceable across contracts, trades, logistics, and financial records.

Reporting and Visual Dashboards

- Supports dynamic reporting and interactive visual dashboards, enabling users to analyze trade performance, operational metrics, and financial outcomes through customizable views and real-time data insights.
- Supports drag and drop reporting with report schedule option.
- Supports dynamic visual dashboards with drilldown capabilities.
- Support export of reports in Excel and Pdf formats.

Fusion CTRM: The Complete Carbon Trading Platform

- **Built for Commodity Complexity**
Supports both compliance schemes and voluntary carbon markets with full lifecycle credit management.
- **Trusted by Global Trading Leaders**
Used by energy, utility, and financial trading firms to manage carbon portfolios and compliance obligations.
- **Ready for ESG & Compliance Demands**
Built-in tools for corporate ESG disclosure, carbon accounting, and sustainability verification.
- **Connected to Your Tech Stack**
Integrates seamlessly with ERP, accounting, and logistics systems for end-to-end visibility.
- **Designed for Today. Ready for Tomorrow.**
Flexible deployment models (SaaS, hosted, on-premises) ensure future-proof investment.



Let's Talk Carbon.

Visit www.fendahl.com or contact us to schedule a personalized demo.