

Fusion CTRM for Biofuels Trading

Managing Complexity. Enhancing Profitability. Delivering Sustainable Growth.

Why Leading Biofuel Traders Choose Fusion CTRM

The global biofuels market is expanding rapidly, driven by decarbonization goals, government mandates, and sustainability demands. From biodiesel and ethanol to emerging fuels like SAF, traders face volatile prices, multiple feedstocks, evolving regulations, and complex credit schemes. Fusion CTRM by Fendahl provides a purpose-built solution to manage the entire biofuels trading lifecycle—optimizing profitability, mitigating risk, and ensuring compliance across both physical and environmental markets.

A smarter way to manage biofuels—from feedstock to fuel—financially, physically, and sustainably.

Ten Reasons Biofuel Traders Choose Fusion CTRM:

- **Full Pricing Flexibility** – Supports fixed, index-linked, formula-based and component-based pricing structures for ethanol, biodiesel, SAF, and co-products.
- **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** – Model secondary costs (storage, refining, freight) and automate billing in multi-currency environments.
- **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.
- **Quality & Specification Tracking** – Monitor critical specs (density, sulphur, water content, glycerine, FAME %, ethanol content) with automated penalties.
- **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 & sustainability certifications (RSPO, ISCC) and streamline CBAM, CSRD, MiFID II, EMIR reporting.
- **Robust Risk & Hedge Management** – Manage complex hedge portfolios, 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 Biofuels Trade Lifecycle



Market Analysis & Pre-Trade Tools

- Executive Reporting provides insights into historical prices, feedstock spreads, and policy-driven demand.
- What-If Analysis simulates market conditions to test trade strategies and quantify exposure.

Trade Execution & Pricing Flexibility

- Supports spot, forward, futures, and options trading.
- Capture trades via manual entry, Excel, API, or OCR automation.
- Enables both inter- and intra-company transactions.
- 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

- Execute hedge strategies across physical and financial exposures with granular control.
- 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

- Manage shipments via vessel, barge, rail, truck, or container.
- Monitor open deliveries, stock positions, and warehouse receipts.
- Processing module supports crushing, refining, blending, and fractionation with yield and cost calculation.
- Supports inventory valuation by FIFO, LIFO, WACOG, and allocation-based methods.
- B2B, Washout, Circle and String type transfers.
- Both Spot and Time Charter type vessel management.
- Rack Management.



Finance, Invoicing & ERP Integration

- Model secondary costs (refining, storage, freight, inspection, demurrage) with FX and tax automation.
- Batch invoice generation with workflows for prepayments, provisional, and final invoicing.

ESG, Quality & Regulatory Compliance

- Track key quality metrics (FFA, moisture, color, odor, impurities) with automated penalties.
- Support sustainability certifications: RSPO, ISCC, RED II compliance, carbon intensity tracking.
- Generate MiFID II, EMIR, REMIT reports with audit trails and ARM integration.



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 Biofuels Trading Platform

- **Built for Commodity Complexity**

Designed for the biofuels sector—covering ethanol, biodiesel, SAF, co-products, and compliance credits.

- **Trusted by Global Trading Leaders**

Used by energy and agri-trading firms across global hubs, supporting multi-commodity portfolios.

- **Ready for ESG & Compliance Demands**

Includes built-in tools for sustainability certification, carbon reporting, and regulatory compliance.

- **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 Biofuels.

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