

EMMA

AN XCHG SOLUTION

Streamline Your Environmental Portfolio Management

Environmental markets are complex and difficult to navigate, with myriad programs that all have separate registries, rules, and obligations (RPS, Carbon, NOx, SO2, etc.). The result is a complex matrix of demands that make it challenging to manage environmental portfolios due to rules changes, accounts across multiple entities, and potentially hundreds of portfolio positions—all of which must be reconciled with risk-management systems.

It's a Herculean task to maintain flawless execution of the actions and obligations required to meet environmental-market requirements.



EMA environmental management account

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Environmental Management Account (EMA) is a comprehensive portfolio-management platform with a unique account structure that makes it easy to consolidate and transact environmental commodities across multiple regulatory regimes, all from one intuitive interface.

EMA BENEFITS

- Automated integration with underlying registries
- Portfolio management, aggregation and valuation across registries
- Trade life cycle management
- Custom reporting and notifications
- Integration with internal risk management systems
- Increase efficiency and reduce operational risk
- Integration with CBL Markets for trading and market prices
- Reduced operational overhead and efficient settlement processing



Intelligent Linking

In rapidly evolving markets, it's imperative to know where to find the right information at the right time, so the right action can be performed. EMA provides a suite of solutions that makes it easy to view and manage all the actions, trades, and obligations that arise from changes in environmental markets, and the complexities inherent in managing a growing portfolio.

EMA intelligently links your positions on environmental registries to your accounting and risk-management systems. This means your portfolio can be viewed, analyzed, and reported by anyone with secure access to your dashboard. With EMA, you can monitor and manage your entire environmental inventory within a single, unified account structure.



All Your Positions, One Simple Screen

This screen shot shows the Consolidated Account view. Note how simple it is to see your position across disparate registries, and how it brings everything together so you can manage your entire environmental portfolio from one user-friendly utility.

The screenshot displays a 'Spot Positions' table with the following columns: Instrument, Project Name, Reg Assign ID, Vintage, Program, Qty, Est Mkt Price, Est Mkt Value, Est Gain/Loss, Ccy, and Actions. The table lists 20 projects with their respective details. A 'Totals' row at the bottom shows a total quantity of 17,040,537* and an estimated market value of 83,729,722.81. The interface includes filter options for primary, secondary, tertiary, and quaternary filters, and navigation controls for expanding, collapsing, and aggregating data.

Callouts from the image point to the following features:

- Portfolio Analytics**: Points to the 'Analysis' tab in the top navigation bar.
- Comprehensive Retirement Reports**: Points to the 'Retired Positions' tab in the top navigation bar.
- Common Project & Instrument Symbology**: Points to the 'Instrument' column in the table.
- Automated Integration with Registries**: Points to the 'Reg Assign ID' column in the table.
- Market Prices for Positions**: Points to the 'Est Mkt Price' column in the table.
- Portfolio Gain & Loss Tracking**: Points to the 'Est Gain/Loss' column in the table.
- Replicate Actions Taken on Registry**: Points to the 'Actions' column in the table.

Portfolio Management

Comprehensive view of your full portfolio

- Intelligent linking allows for single point of entry for counterparty transfer and retirement obligations
- Portfolio tracking and valuation includes unrealized/realized profit/loss for all positions
- Advanced asset/liability management brings together spot, forward, and futures owned or contracted against compliance obligations
- Tracks generation and issuance forecasts and matches current/future assets against liabilities

BENEFITS:

- Track and manage asset and liability positions across a full range of environmental commodities and associated obligations
- Simplified, streamlined process makes managing your environmental portfolios easy



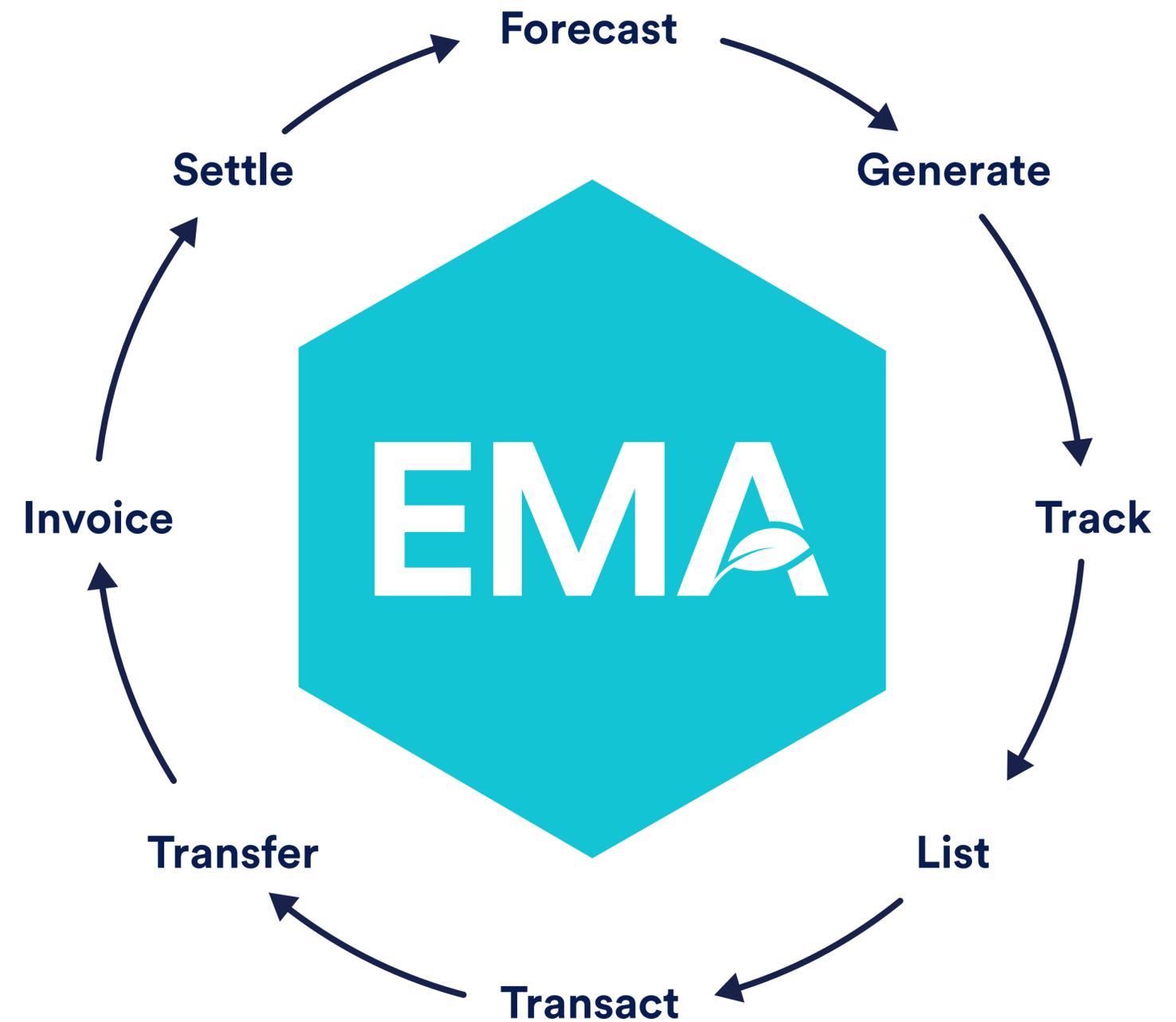
Trading, Execution, Settlement

Intuitive suite of tools

- Integrated counterparty settlement, delivery, and invoicing
- Spot and forward deal capture and trade entry
- Create and manage forward sales and purchases, link delivery with each counterparty
- Pre- and post-trade analytics

BENEFITS:

- Trade date view of portfolio for traders
- Seamless execution and settlement
- Pending and completed trade analysis
- Trading via CBL Markets



Comprehensive Trade Capture

This diagram reveals how EMA captures multiple legs of a forward strip on the deal execution date. Alerts are sent to a custom list, related registry transfers are linked to the original trade, and all events affecting the trade are captured for easy retrieval and audit purposes.



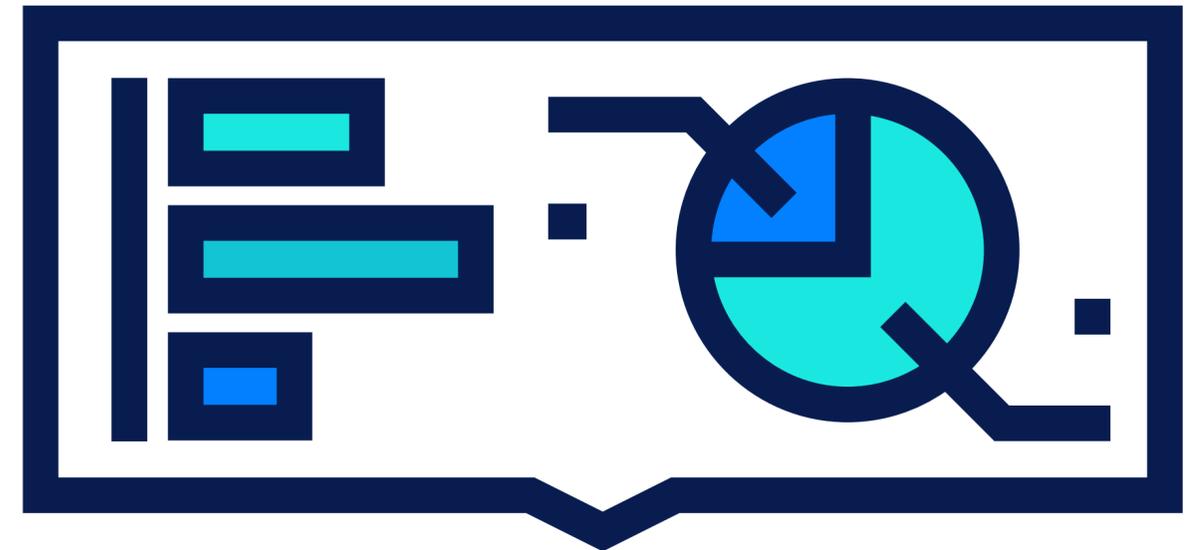
Reports and Notifications

Account holders have customized notification and event tracking for all stages of the transaction lifecycle

- Customized reporting and analytics
- Customized alerts and automated notifications for portfolio events
- Robust audit trail and reporting capabilities
- Integrates with other internal systems, e.g. enterprise trading and risk
- Management tools (ETRM), Enterprise Resource Planning tools (ERPs), and Accounting

BENEFITS:

- All users have access to the same unified data set based on privileges—no stale data or update problems
- Highly efficient reporting structure provides information that aids decisions
- Timely alerts for events, transactions, and retirements



Security

EMA has strict security protocols

- Highly secure access to accounts and data
- Customized data access via robust entitlements system
- Audit trail maintained at all times—all changes logged and detailed

BENEFITS:

- Relax knowing your data is safe—only people with credentials can access the system



What Does EMA Mean to You?

EMA account holders can focus on core competencies, rather than worrying about the consequences of constantly evolving environmental markets. Our platform enables your business to efficiently forecast, aggregate, track, list, trade, and settle your environmental assets—from one intuitive interface.

Above all, you can be confident you have the most cost-effective, comprehensive tool to manage your environmental portfolio.



EMA is Part of the XCHG Digital Commodity Ecosystem

EMA is part of Xpansiv CBL Holding Group (XCHG), the world's first commodity exchange built for a new asset class: *data*. XCHG brings transparency to the market by recording real-world characteristics in an immutable profile, empowering informed decision-making and commodity differentiation. As a result, commodities can be valued based on vital information that was previously invisible. More information at [XCHG.net](https://www.xchg.net).

Put EMA to work for you—contact us today at EMA_sales@cblmarkets.com to learn more and schedule a demo.

