

TWEX[®] Carbon Ledger

One integrated platform for carbon emission management

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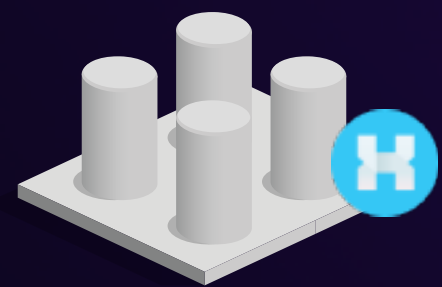


Target Audience



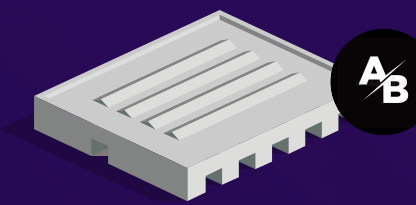
National Authorities

Comprehensive infrastructure for issuing, managing, and trading carbon certificates.



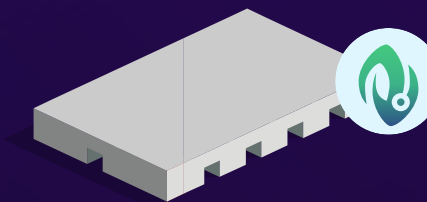
Off-set Project Owners

Proof of sustainability for investors



Exporters into the EU

Reduction of EU Carbon Tax through already paid domestic allowances or offsets.



Investors

Easy access to CO2 Certificates contributing to a liquid market

Management and Issuance of CO2 coins

Unified CO2 Emission Rights

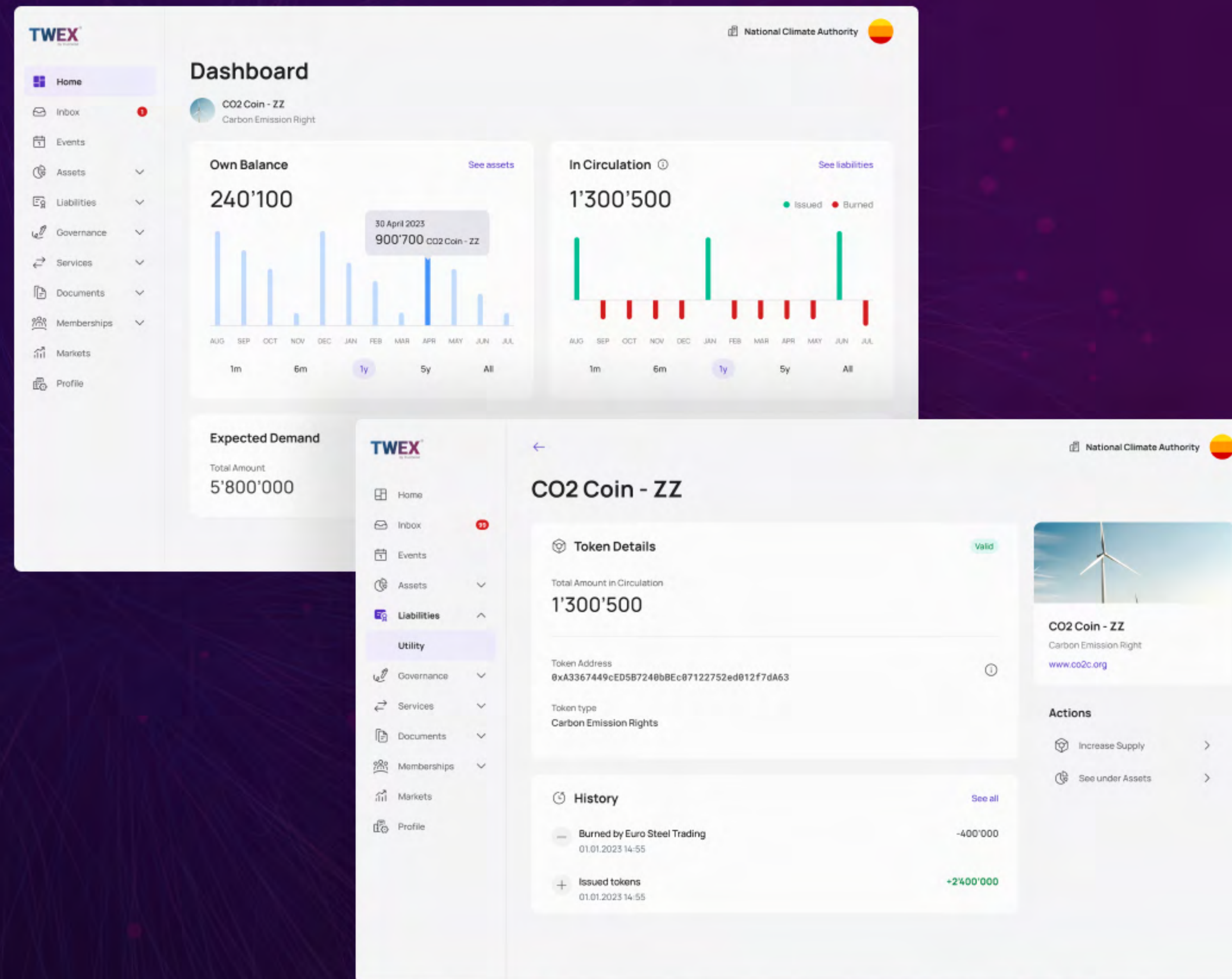
CO2 Emission rights are unified by a single CO2 Coin issued by a national authority, making the national CO2 market for allowances and offsets more transparent and efficient

International Transparency

Increasing confidence in domestic CO2 markets for international investors by enhanced transparency and verifiable data

Emission Rights Monitoring

CO2 coins are burned when emission rights are used. Thus, authorities can easily monitor the emission rights which are still in circulation, allowing for a fine grain real-time analysis of CO2 usage.



Investment and Trading

Secure Transactions

Using blockchain for recording transactions ensures security and trust in the trading process.

Peer-to-Peer Transfers

Stakeholders can transfer tokens directly among themselves, enhancing efficiency

Efficient Trade Matching

The platform can match buyers and sellers efficiently, facilitating liquidity in the market.

Transparent Tracking

Investors can track the origin and use of CO2 Coins, ensuring transparency and reliability.

Global Access

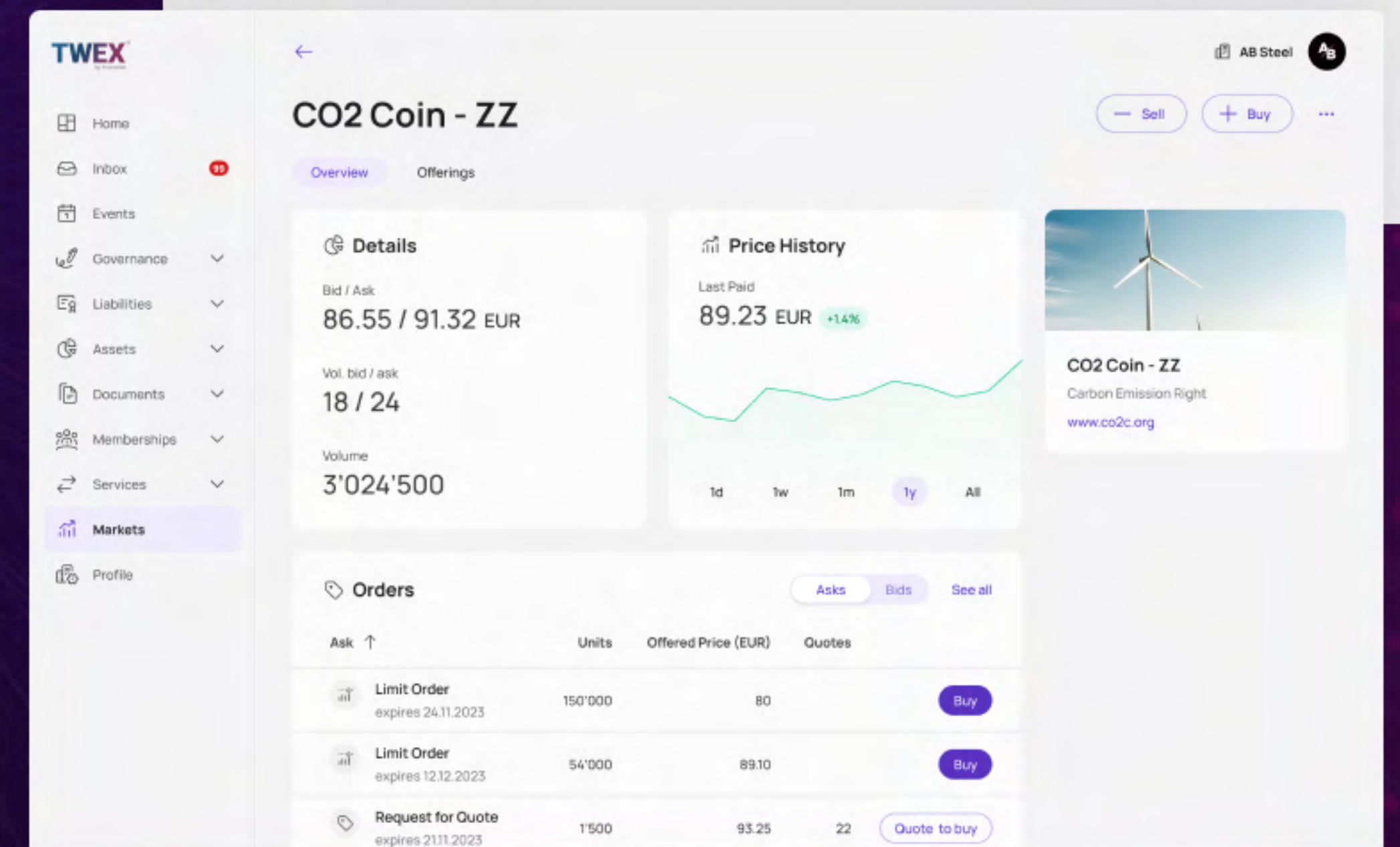
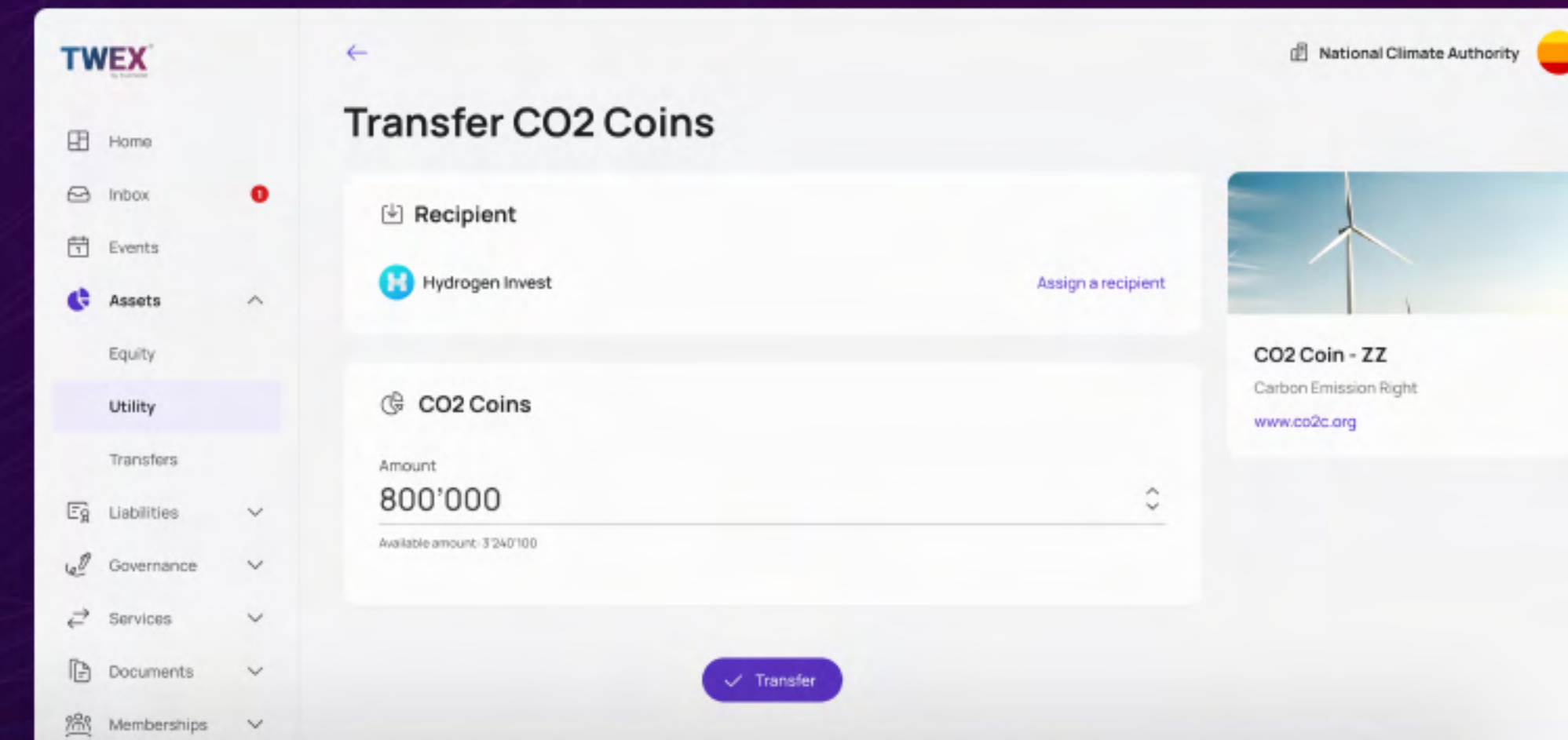
Access to a global market of buyers and sellers, increasing investment opportunities.

Regulatory Compliance

Ensure compliance with local and international regulations, making it easier for investors to participate in the carbon market.

Integrated Financial Accounting

Linking CO2 Emissions rights directly to financial results by treating them as an asset on the balance sheet



Authentication and Verification

Application for Acceptance

Project owners can register their offset projects and apply for offset credits.

Verification

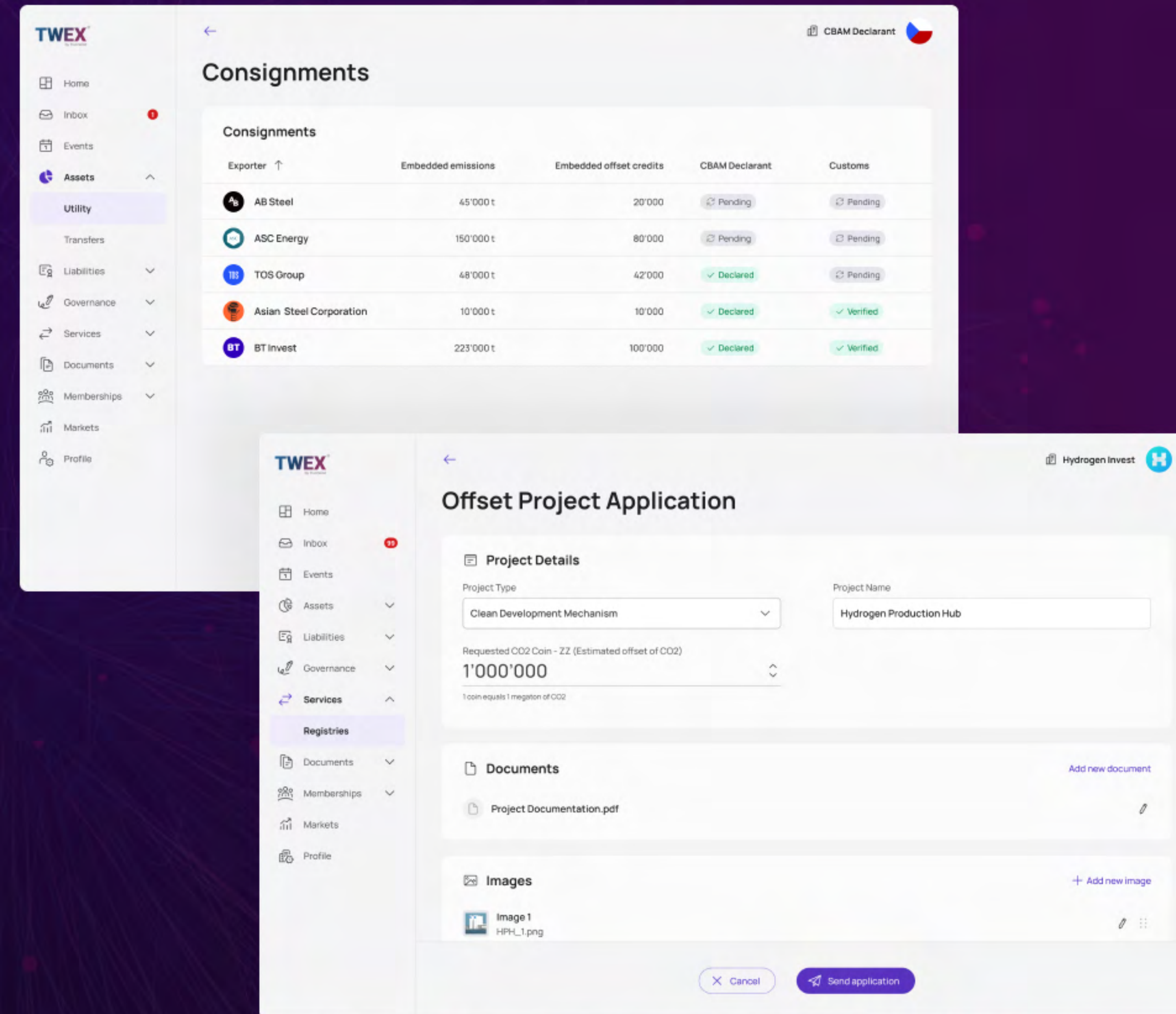
Offset projects are examined by accredited verifiers and sign-off for obtaining CO2 Coins

Prevention of Double Spending

The system includes mechanisms to prevent the double spending of CO2 offset credits from a project.

Notifications

The system notifies participants about to do's, pending and completed actions.



Reporting and Audit

Transparent and Immutable Ledger

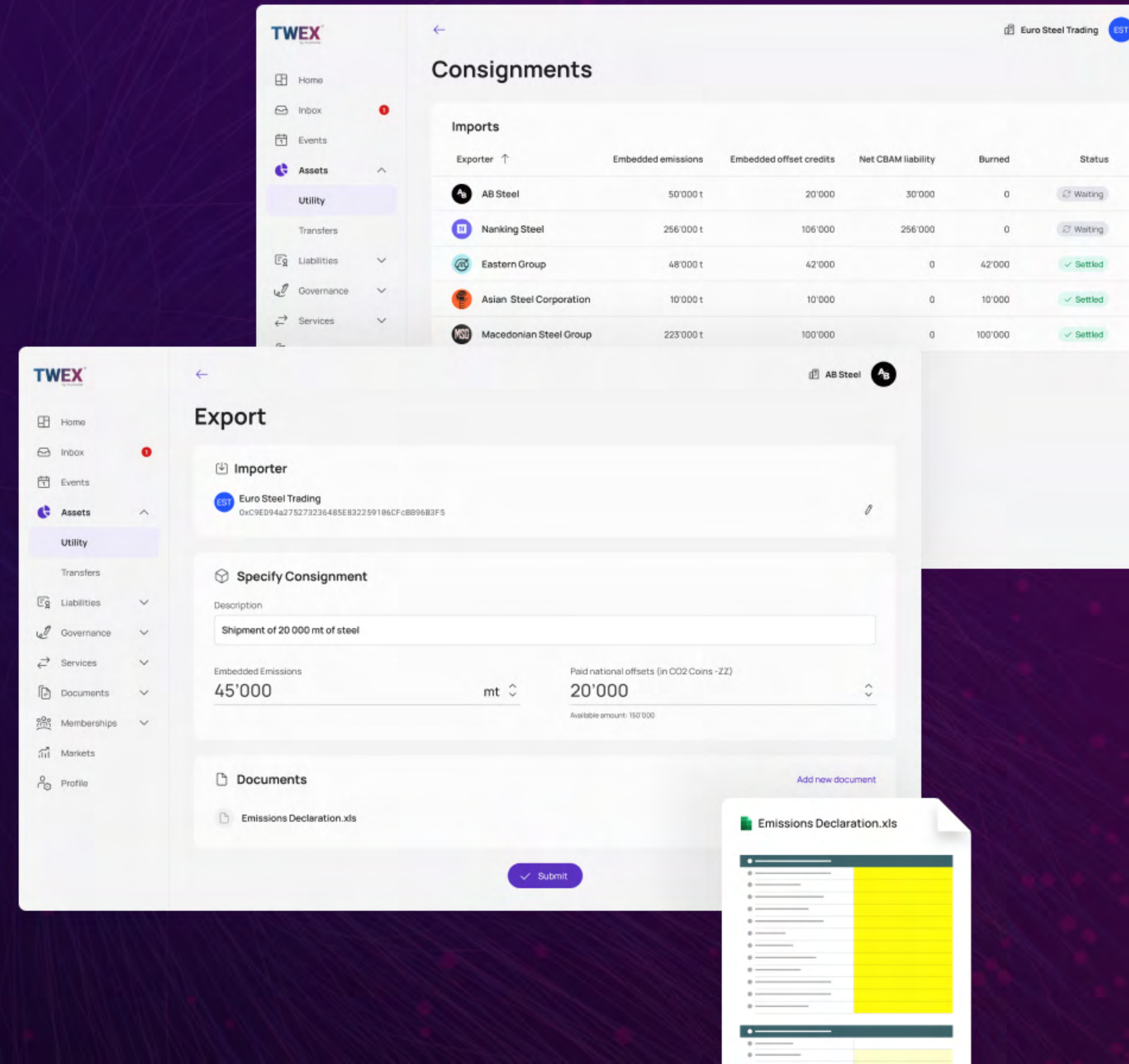
All activities are traceable and auditable as they are recorded on a blockchain which is essential for trust in offset projects and sustainable investments.

Automated Reporting

Generates automatic reports of Emission rights utilisation, providing detailed information for auditing purposes.

Real-Time Monitoring

Applications, verifications and CO2 coin transactions can be monitored in real-time.



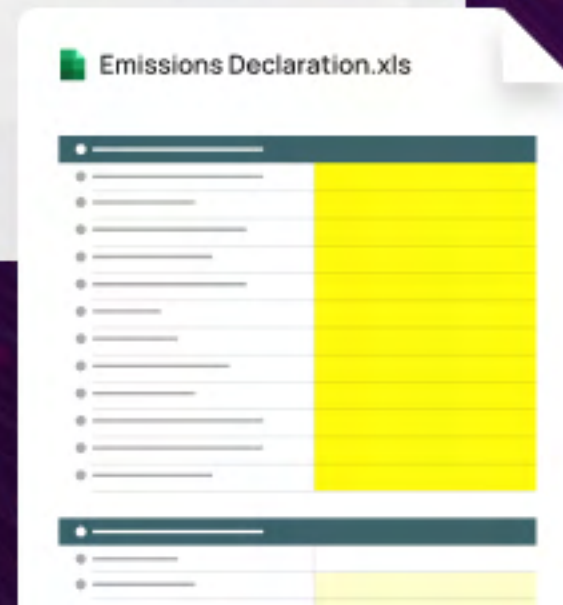
The image displays two overlapping screenshots of the TWEX platform interface. The top screenshot shows the 'Consignments' page, which lists various import transactions. The bottom screenshot shows the 'Export' page, where a user is specifying a consignment for export.

Consignments Table:

Exporter	Embedded emissions	Embedded offset credits	Net CBAM liability	Burned	Status
AB Steel	50'000 t	20'000	30'000	0	Waiting
Nanking Steel	256'000 t	106'000	256'000	0	Waiting
Eastern Group	48'000 t	42'000	0	42'000	Settled
Asian Steel Corporation	10'000 t	10'000	0	10'000	Settled
Macedonian Steel Group	223'000 t	100'000	0	100'000	Settled

Export Form Details:

- Importer:** Euro Steel Trading (Blockchain ID: 0xC9E094a275273236485E832259186FCc8B9683F5)
- Specify Consignment:**
 - Description: Shipment of 20 000 mt of steel
 - Embedded Emissions: 45'000 mt
 - Paid national offsets (in CO2 Coins -ZZ): 20'000 (Available amount: 150'000)
- Documents:** Emissions Declaration.xls





Contact Us

Engage with us for pilot projects

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www.trustwise.io