

PRODUCT BRIEF



Why automate your trading now?

Today, utilities need automated solutions to operate demand response, portfolio management, forecasting and trading at the short-term markets. Increasing renewables penetration means that energy traders are exposed to higher levels of risk in an environment with lower margins and diverse portfolios. In facing lower margins, traders must operate more efficiently to improve risk-adjusted returns, which drives a need for smart technology forcing decision-making closer to real-time.

Hansen Trade is the ultimate solution for automated trading, enabling energy companies to optimize the usage of their flexible production assets, minimize their balance error and save on the costs of running a manual 24/7 trading desk.

Run as a cloud-based service and optimized for real-time calculation, Hansen Trade fully meets the flexibility and scalability demands of the evolving energy trading market.



Less time on manual processes, more time on strategy

Spend time improving and fine-tuning your trading strategy and analyses of unexpected events, rather than manually monitoring and updating orders. Leave the tedious tasks to your automated solution.

Control costs and improve your margins

Manual trading becomes more expensive for every day that goes by. Automated trading has created an uneven battlefield, leaving manual trading at a significant disadvantage.

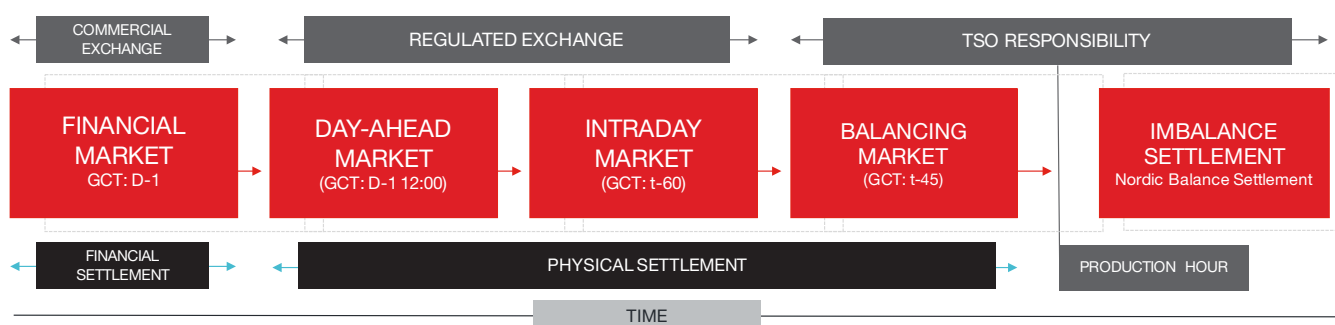
Manage risk in a diverse and fast market

Hedge risks in the real-time spot market, avoid imbalance charges, procure electricity for end-consumers, and balance deviations from original and updated plans.

HANSEN TRADE

The growing prominence of DERs and decarbonization provides energy retailers and DSOs with unprecedented challenges. Increasing speed and volume in the market brings a new level of complexity to energy trading, forcing decision-making closer to real-time. To remain competitive, traders are compelled into switching to automated solutions.

Hansen Trade solutions can be used widely for electricity procurement, production asset optimization, meaning that Hansen Trading provides comprehensive, scalable and cost-efficient solutions for the needs of power trading and related service providing.



Hansen Trade: End-to-End Solution for Physical Settlement

KEY FEATURES

- The scalable platform supports core business reliability
- Real-time connection between your portfolios and NordPool intraday markets.
- Instant order insight, with real-time views of open positions and free capacity
- Real-time understanding of asset flexibilities and marginal costs
- Optimal usage of flexible production assets.
- Simplified complexity by visual overview of market depth when placing orders.
- Increase productivity by automated scheduling processes.
- Secure payments quicker with automated workflow in settlement and invoicing processes
- Easy to connect to external systems using Hansen
- Web API and interfaces.

Ask yourself:

- Are you still trading manually?
- Are your margins on energy trading in decline?
- Are you looking for ways to cut costs while still improving efficiency?
- Do you have leftover production capacity?
- Are you wondering how to meet the challenge of 5-minute settlement?
- Is your energy trading characterized by ad hoc decision making?



HansenCreate-Deliver-Engage™

for Energy and Utilities Providers

HansenCIS™

Commercial off the shelf Customer Care and Billing Lifecycle Management

HansenCatalog™

Commercial Product and Technical Service Catalog and Lifecycle Management

HansenInsight™

Business and Operational Data Analytics and Decisioning

HansenTrade™

Automated trading Analytics and Risk Management

HansenMDM™

Metered AMI, Calculations and Disseminating Event Management

HansenCPQ™

Cross-market Omni-channel Quote and Order Capture

DIVERSITY WITH LESS COMPLEXITY

Hansen Trade is a modular cloud-based platform for trading and demand response operations. The system is optimized for real time calculation and secures the flexibility and scalability demands in the evolving trading market. It is largely based on parameters and provides users with the flexibility to configure their preferred strategy via a user friendly interface.

Intraday Trading



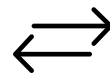
Automated 24/7 trading – widely configurable, transparent, easy to use and monitor. Designed to connect to energy exchanges and portfolio in real time. Create trading strategies separately for all positions and monitor the market with comprehensive views for fast decisions and actions.

Day-ahead Trading



Advanced bidding and trade result handling. Electricity procurement & production optimization.

Regulating Power and FCR Trading



Automated bidding solution. Production asset optimization (wind, chp, hydro, gas turbines).

Day-ahead Demand Response



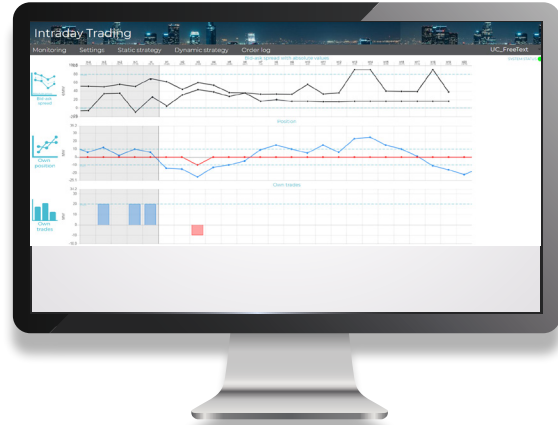
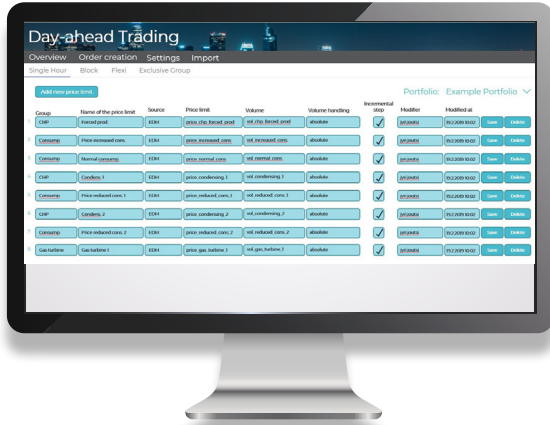
Consumption optimization service. Demand response services mainly for B2B. Technology partner integrations.

Balance Management



Demand response for balance management. Utilizing demand response assets for balance management.

AUTOMATE AND OPTIMIZE YOUR ENERGY TRADING OPERATIONS



Hansen Trade

HANSEN TRADE

The Hansen Trade platform includes solutions for Intraday, Day-ahead, Regulating Power and FCR trading and these solutions can be used widely for optimizing trading operations from electricity procurement and balance management to production optimization and demand response operations.

In addition, Hansen Trade enables energy companies to utilize their demand response assets through large number of technology partners and thus provide new services for end-users.

KEY DRIVERS IN THE ENERGY TRADE MARKETS

1. Liquidity and speed
2. Optimal utilization of flexible production assets
3. Increasing imbalance cost risk
4. Shorter balance settlement resolution
5. Focus on trading strategy

Powered by Hansen



Hansen Technologies (ASX: HSN) is a leading global provider of software and services to the energy, water and communications industries. With its award-winning software portfolio, Hansen helps over 620 clients from over 30 offices worldwide to create, deliver and engage with their customers, to manage and analyze customer data, and control critical revenue management and customer support processes.

