



Energy Planning  
& Trading

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Inspire the Next



Power operations solutions

# PowerTracker for Europe

 **Hitachi Energy**

# PowerTracker

## Simplicity and efficiency for your energy operations


The detail and complexity of forward based activity can be overwhelming to manage in the multi-constrained world of power operations and even more so in the real time space. The powerful functionality and information provided by the Hitachi Energy's base ETRM, TRMTracker, can be leveraged in an operational mode to increase efficiency as well as simplify for real-time use.

PowerTracker, one of six solutions that comprise TRMTracker, leverages a suite of tools to forecast, plan, bid and schedule power in Europe. The tool allows for price and volume forecasting, planning, dispatch costing, bid and schedule generation and receiving day-ahead and intraday auction results. Before and after trading, PowerTracker's general workflow, alerting, reporting, template setup and reporting features further boost your control over power market operations.

Hitachi Energy offers comprehensive and fully integrated ETRM solutions to manage every aspect of trading, enterprise risk, environmental management and regulatory compliance from one platform.

From front to back-office processes, our solutions cover enterprise-wide transaction management for both physical and financial deals of all asset classes and commodity types. Our suite of six solutions covers a wide range of energy trading and transaction management processes and is based on our organically built, web-based platform, FARRMS (Financial and Regulatory Risk Management System).

The streamlined, scalable architecture of the FARRMS platform is driven by user-defined templates and formulas while straight-through processing (STP) technology and workflow automation allows for seamless processing of transaction lifecycles. Not only does this result in better consistency and efficiency across business processes, it also provides the flexibility needed to change and grow with your business for years to come.



PowerTracker is one of six solutions that comprise TRMTracker. Voted "Top 3 ETRM System" by clients and peers, TRMTracker is a complete energy trading and risk management software solution. Hitachi Energy\* was ranked #1 in 28 categories in the 2021 EnergyRisk Software Rankings.

\* The 2021 EnergyRisk Software Rankings recognize Hitachi ABB Power Grids, which became Hitachi Energy on October 13, 2021.



## Forecasting

A built-in solution to forecast short-term volumes and prices using neural networks, Kalman Filter, fuzzy logic, econometrics or multiple linear regression. Allows users to train the forecast models for their specific scenarios with self-defined parameters.

- Five-minute to annual granularity for forecasts
- Multiple inputs including historic data, forecast data, peak/off-peak blocks, prices, weather
- Model retraining
- Manual or auto-batch processing
- Forecast approval
- Algorithm, step and learning rate selection for neural networks

## Dispatch cost evaluator

Provides accurate, fast analysis in a real-time or short-term market of transaction cost parameters and gives a consistent way of analyzing and providing decision support for all users.

- Projected dispatch costs
- Projected fuel burn volumes
- Unit availability tracking
- “What If” evaluations of proposed deals
- Decision support

## Generation / reserve planner

Provides rapid operational position disclosure and planning for meeting demands. Allows for transitions between shifts for continuous and consistent operations planning. Summary of real-time operations can be actively available for management insight.

- At-a-glance overview of generation capacity
- Simple aggregation of demands against generation
- Reserve identification and planning for compliance and transaction opportunity
- Continuous and consistent planning across shifts in real time

## Short-term position reporting

A customizable reporting solution for viewing positive/negative and net positions by bidding zone, balance area, portfolio, counterparty or custom view.

- Five-minute to hourly granularity
- Built from volumes added to deals either manually, via API or via forecasting
- Quick links to deals that generate positions
- Can be tailored to suite-specific trading strategies and portfolio setups

## Scheduling generation

Generates day-ahead and intraday schedules from positions using predefined processes. Can be set up for ramp balancing, book balancing and auto-balancing between balancing areas.

- Pre-submission checks supported by workflow tools
- Can set file formats for specific TSOs
- Generates cross-border schedules
- Handles handover of schedule files to submission system, web service or SFTP site
- Manual or auto-batch processing
- Auction results factored in when received

## EPEX DA/ID auction bid generation and results

Allows for creating EPEX day ahead and intraday bids based on deal volumes entered in manually, via API or via the Forecasting tool. Provides special reports to show hour-by-hour bid volumes.

- Can set file formats to EPEX standard or to format required by bid submission tool
- Handles handover of bid files to submission system, web service or SFTP site
- Pre-bid checks supported by workflow tools
- Manual or auto-batch processing
- Auction results come in directly from EPEX
- Visualize raw auction results in dedicated tables
- Chart auction result prices for any bidding area for decision support

## ABOUT

PowerTracker was formerly from Pioneer Solutions, which is now part of Hitachi Energy. We are a global software provider of next generation C/ETRM, environmental management, and regulatory compliance solutions.

Offering the latest in business processing capability with modern data structure, our products offer the user a configurable environment that allows for front-to-back automation of your business processes.

Serving some of the largest utilities and energy companies across the globe, our flexible solutions have been organically built since 2002 for rapid implementation and superior service at an overall lower cost of ownership

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