

e-Connect Intraday Position Optimization & Trading

The PriceHub Suite

We are a specialized software house based in Mannheim, Germany.

Our flagship product, the **PRICEHUB** Suite, is an integrated set of tools that sits alongside your ETRM systems to fill in some of the critical gaps that exist in most mainstream systems.

Each **PRICEHUB** module addresses a specific challenge around:

- ▶ Price Forward Curves
- ▶ Price Data Management
- ▶ Compliance & Regulatory Reporting
- ▶ Energy Contract Pricing & Offer Management
- ▶ Scheduling & Nomination
- ▶ Interfacing to Exchanges and Brokers

Your Advantages



Online with EPEXSPOT



Integrated Interface



Automated Processing



All Activity on one Screen

e-Connect : Transparent Pricing and Offer Management

The Intraday Market offers great opportunities to balance positions closer to real time. It has opened an opportunity for Utilities to integrate intermittent supply from Renewable sources with trading strategies, to optimize Portfolios at the lowest granularity.

However, this flexibility brings with it several challenges to the energy traders, who have to react quickly and with precision. The main challenges faced include:

- ▶ *Multiple sources of position update – Customers, Generation, Sales, Wind/Solar. Impossible to keep track and manage.*
- ▶ *Limited reaction time. Orders come in continuously via e-Mails, ftp, Voice, etc.*
- ▶ *Internal Matching and Optimization of Orders with multiple price/volume levels is not a trivial exercise.*
- ▶ *Equitable splitting of Executed trades and matching to corresponding Orders.*
- ▶ *Interconnected systems require feedback regarding executions and prices.*
- ▶ *Several manual steps involved in moving the Executions to the ETRM system.*

e-Connect has been built to intelligently automate this process and to provide a fast and consistent workflow for ¼ Hourly and 1 Hourly Intraday Trading. It connects to the EPEX Intraday Market using their M7 API and provides total control to the Trader, to submit, modify or delete Orders, get complete market information regarding prices and depth, calculate best Bid/Ask prices, etc. The trader is free to execute on either platform and **e-Connect** seamlessly reconciles every transaction. Key features of **e-Connect** include:

- ▶ **Interfaces to ETRM system for Open Positions**
- ▶ **Automatically validates and uploads Orders** received via e-Mail, ftp. Quick and easy registration of Voice Orders. Validation at each step.
- ▶ **Interfaces to several Third Party Generation Optimization and Forecasting systems** like ProCom, emsys, etc.
- ▶ **Internal Matching of Orders.** Only Delta positions submitted to EPEX
- ▶ **Dashboard facilitates decision making** by showing all information in an intuitive way.
- ▶ **Manual Override** always possible.
- ▶ **Complete Audit trail** and look-back facility.
- ▶ **Withdraw, Modify or Delete** Open or **Partly Executed** Orders from one Dashboard.
- ▶ **Drill Down feature** to identify status of individual ¼ h or 1h segment.
- ▶ **Positions and Orders differentiated @ Balancing Zone**
- ▶ **Real-time view** on all Market and internal activities.
- ▶ **Can be integrated with e-Flow** to generate and forward real time Schedules.

PriceHub e-Connect : Intraday Position Optimization & Trading

e-Connect receives Orders from multiple sources, including the internal ETRM systems, and provides the Trader with an intuitive Overview of the positions. Orders received via e-Mail and ftp are processed automatically and are assigned a merit-order based on price, volume and timestamp. The trader Optimizes all Orders internally before pushing the residual volumes to EPEX. Matching takes place within price limits assigned by the Customers and market prices.

e-Connect has a secure, fault tolerant, redundant architecture that is resilient against connectivity issues. In case of disconnections, critical data is retrieved afresh, maintaining data integrity.

- ▶ Direct upload of Trades into the **ETRM** system, either aggregated at EOD as one or two trades, or in real-time as individual trades.
- ▶ **Automates** the collation of orders from different sources including internal open positions, generation forecasts, customer requirements and optimises the execution of intraday trades. Complete market Order stack visible in one click.
- ▶ Flexibility in the order execution process. The trader can decide when to submit orders manually, or let **e-Connect** carry out **automated execution** before expiry. Visual and audio notification to support decisions.
- ▶ Can handle limited or unlimited orders, price differentiated orders
- ▶ **Dashboard** facilitates the decision making process, with clear colour coded information.
- ▶ Clear **Market visibility** with real time market prices, best Bid/Ask per segment, etc.
- ▶ Extensive validations at Order registration and Submission stage.
- ▶ **Optimization** and order aggregation logic can be customized based on an organization's needs



Our References



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“e-Opt has a great understanding for our needs and has consistently delivered very professional service to us and our clients. We strongly recommend e-Opt and its people.”

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