PowerBot
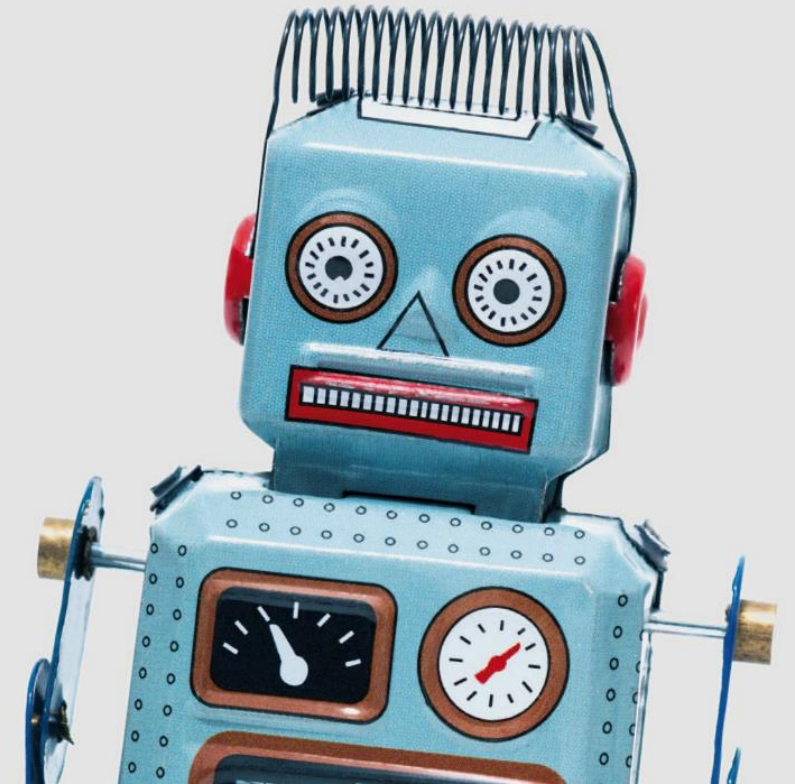
Web service for automated and algorithmic
trading on electricity intraday markets

www.powerbot-trading.com

INERCOMP
Independent Energy Experts

Web service for algorithmic trading

- **Web service** for automated and algorithmic trading at electricity intraday markets like HUPX, EPEX and Nord Pool

- Regular fields of application: Position closing, prop trading and flexibility marketing

- Use predefined algorithms or build your own strategies

- Affordable and easy integration (web service), monthly license fee
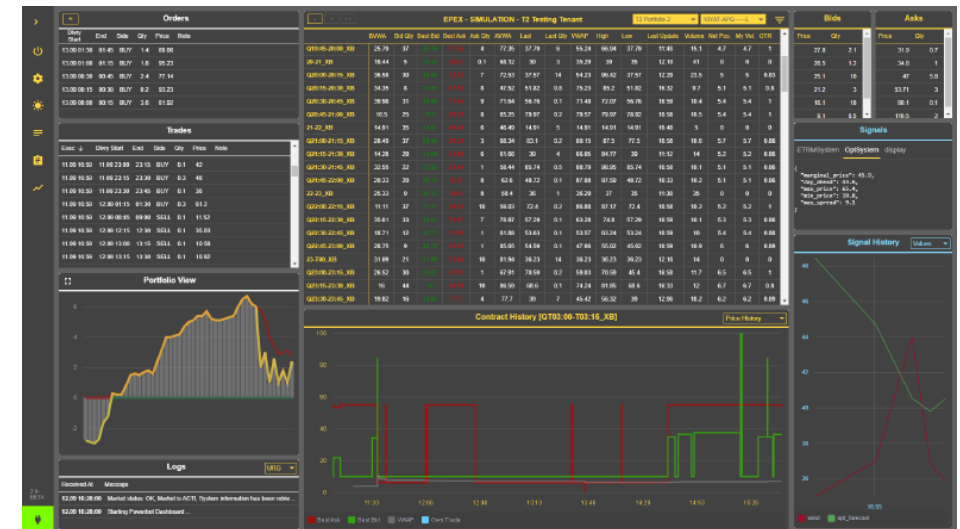
Position closing

- **Avoid costs for balance energy** by automatically closing open positions at the intraday market

- Regular use case for companies with **renewable energy assets**

- Market orders are placed **efficiently and at high speed** (fast reaction to changed weather forecasts)

Prop trading

- Develop your own speculative strategies to generate profits from the intraday market

- First movers can usually profit from market imperfectness and low automation of other trading companies

- Very positive results from other, smaller markets with low liquidity

- Ideas: Trading of renewable forecasts, imbalance market expectations, trading with higher reaction times, trading against predictable strategies…
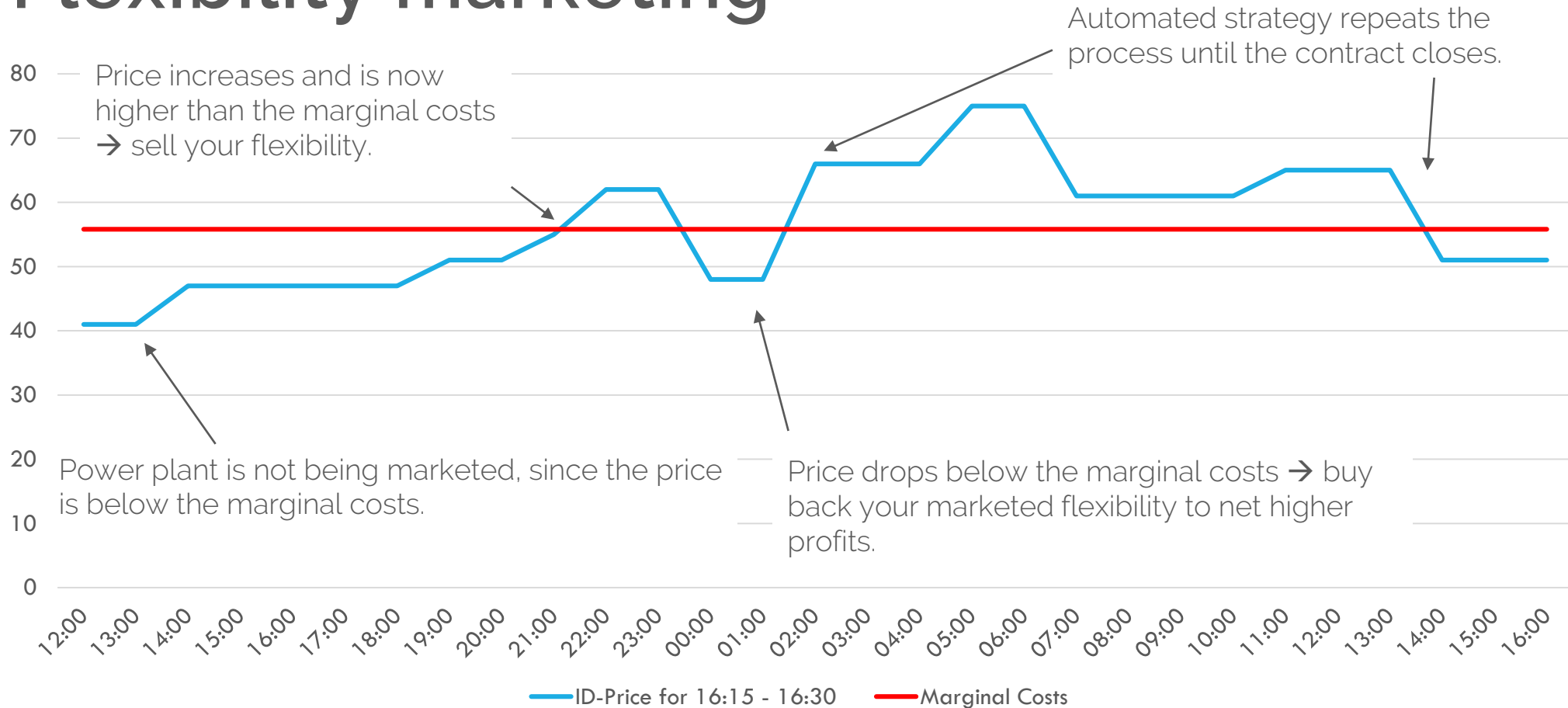
Flexibility marketing

- **Earn additional revenues** by marketing your **flexible assets** (gas power plants, virtual power plants etc.) at the intraday market

- **Trade around marginal price limits** to further increase your earnings in comparison to the spot market

Flexibility marketing:
CHP Example use case

- Marginal cost of 55,8 EUR/MWh

  - Natural gas incl. grid cost: 23 EUR/MWh (51% efficiency) = 45,1 EUR/MWh

  - CO2-certificate: 27 EUR/t (0,396 t/MWh$_e$) = 10,7 EUR/MWh

  - Strategy

    - Sell day ahead, if price > 55,8 EUR/MWh

    - If day ahead price < 55,8 EUR/Mwh

      - Sell in intraday market

Flexibility marketing

Price increases and is now higher than the marginal costs → sell your flexibility.

Automated strategy repeats the process until the contract closes.

Power plant is not being marketed, since the price is below the marginal costs.

Price drops below the marginal costs → buy back your marketed flexibility to net higher profits.

ID-Price for 16:15 - 16:30   Marginal Costs

Thank you for your attention!

- Got interested? Get in touch with us for further information or a product demo or visit www.powerbot-trading.com

Contact

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