NOX Energy

Accelerating The Energy Transition

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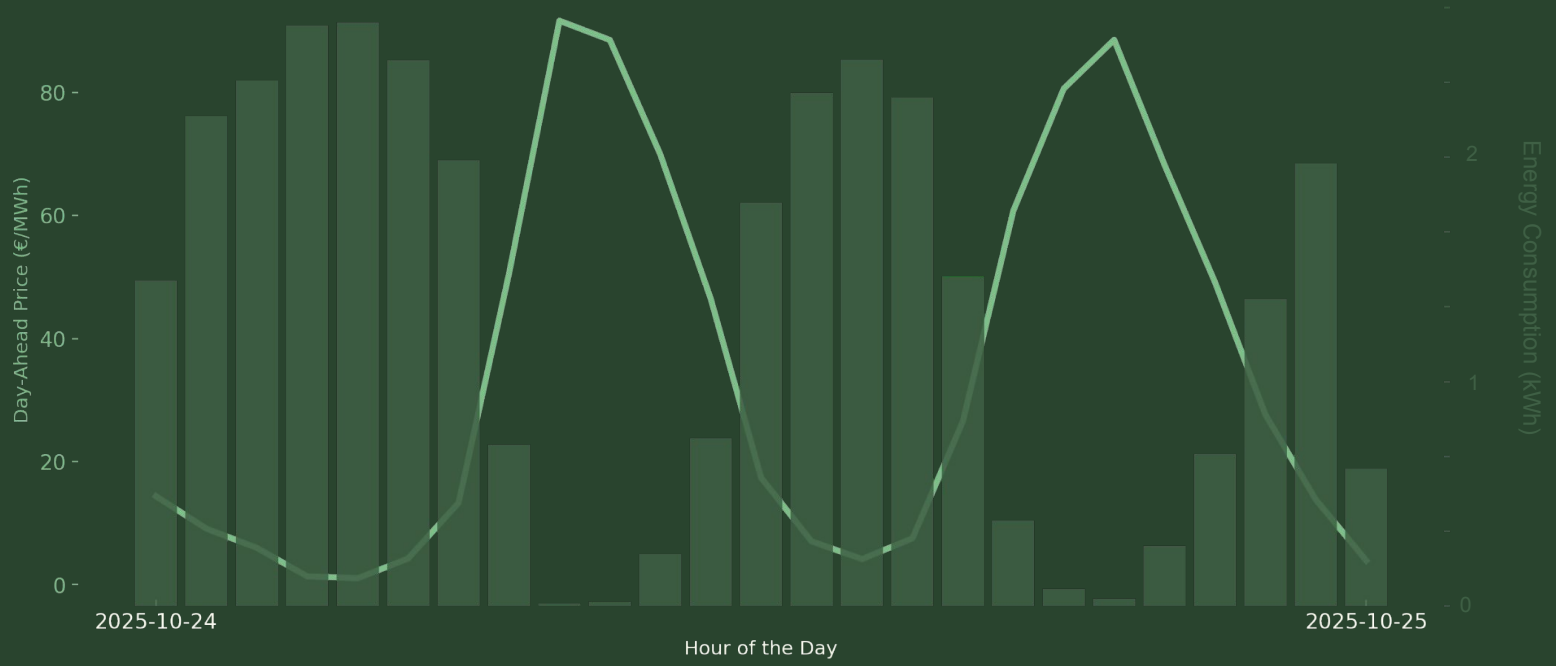
We **Trade Heat Pumps** on energy markets



Why **utilities** like us

We are able to:

Predict what's coming

Mirror reality with a digital twin

Trade flexibility on the market

01

Churn Rates Decrease

Asset connection creates long-term customer lock-in.

02

Attracting Customers

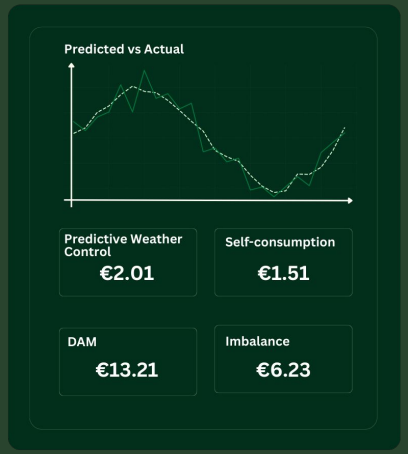
Savings and consumption insights drive utility choice.

03

Increased Revenue

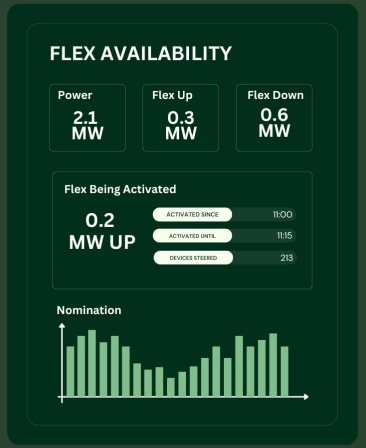
Utilities earn a share of the revenue from every optimized customer.

Our **Offers**



For Big Utilities

When utilities lag in DER trading, NOX's 4-fold optimization takes over, handling all trading seamlessly.



For Smart Utilities

Utilities trade batteries easily, but heat pumps are complex. NOX provides trained digital twins so they can be traded just like batteries.

The case: **Imbalance Market Price Prediction**

01 **Beat Elia** predictions

02 1-minute before the next quarter

03 Using **innovative** strategies

Provided Documentation

01 **Day-Ahead Market Prices**

Electricity prices traded one day in advance (15-min intervals)

02 **Imbalance Prices Elia Forecasts**

Forecasted prices for grid balancing (1-min intervals)

03 **Actual Imbalance Prices**

Real imbalance prices from the grid (15-min intervals)

Suggested data

The 3 datasets are also **available via open-source APIs** (see doc.) and we recommend that you add **external datasets** (ie. Renewable generation forecasts, Public consumption data, Calendar effects, Market signals, Behavioral or temporal patterns, ...) in your model

Evaluation Criteria

Criteria	Weight	Guiding Questions
Technical Accuracy	50%	How accurate is your model's forecast?
Innovation & Creativity	30%	Did you introduce unique features or creative data sources?
User Experience & Presentation	25%	Is your solution well explained, clear, and visually engaging?
Impact & Relevance	15%	Does it provide real value to NOX Energy or the wider grid ecosystem?

Mean Absolute Error on the next-quarter-hour imbalance prediction is our **Primary Evaluation**

Here to **Help**

Martin Michaux
CTO & Co-Founder

Adrien Debray
Software Engineer

Axelle Moortgat
CEO & Co-Founder
(Jury)

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