

ENERGY INTELLIGENCE

Connect energy markets with the real flexibility of your production process.

The system combines energy prices, contracts, production plans, demand, cogeneration, PV, storage and process constraints. It forecasts the next hours and indicates when to buy, generate, store energy or shift flexible loads.

Lower energy cost

Use price spreads without compromising the production plan.

Better D+1 decisions

Forecast prices, demand and asset availability before the next day.

Energy + production

Optimization respects technology, deadlines and process constraints.

One decision model - from the market to the process

MARKET

SPOT / DAM / BM / contracts

PLANT

plan / meters / process

ASSETS

CHP / PV / storage / grid

FORECAST

SIMULATE

OPTIMIZE

ACT

Measure • Forecast • Simulate • Optimize • Act



Industrial Intelligence for energy-intensive industry

Energy decisions connected with production and financial performance.

From monitoring to a concrete decision for the next 24 hours

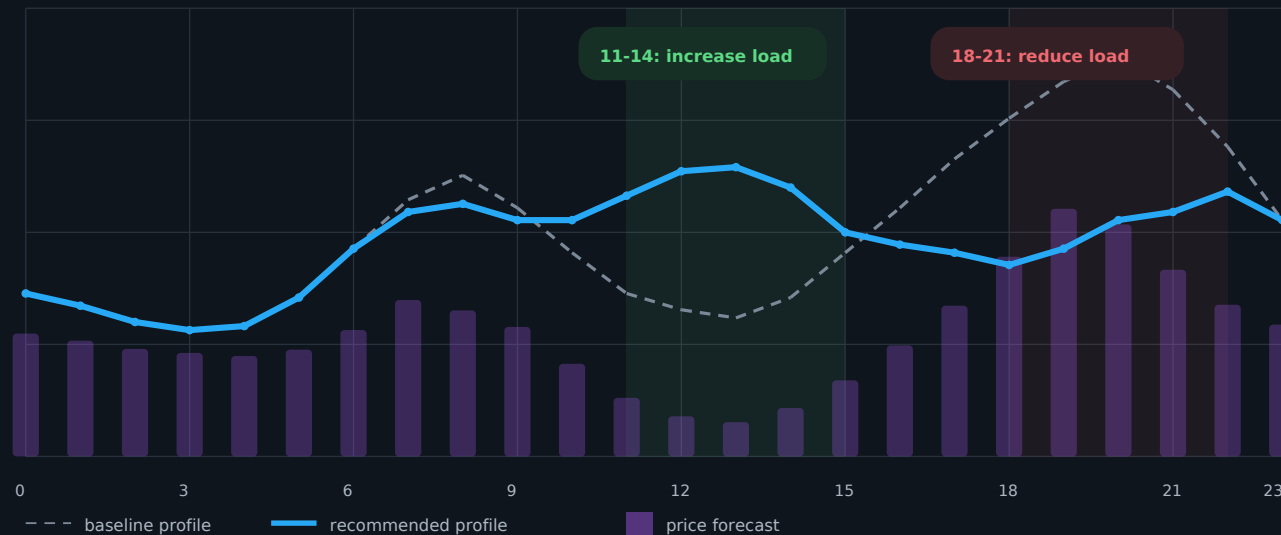
Forecast + scenario + recommendation + financial impact

D+1: energy price and load profile

Power [MW]

DEMO DATA

Price [PLN/MWh]



Example scenario result

demo values - not customer data

Baseline cost

1,184,000 PLN / day

Optimized cost

1,146,500 PLN / day

Scenario potential

37,500 PLN / day

Power profile

33.1 - 39.8 MW

Cogeneration

4 / 8 / 12 MW depending on conditions

Recommendation update

D+1 + intraday

What the system can optimize

01

Forecasts & markets

D+1/intraday prices, balancing market, gas, weather and seasonality.

02

Flexible loads

Low/high-price windows and load shifting within process limits.

03

On-site generation

CHP, PV, storage and grid - dispatch by marginal cost.

04

Cost & KPIs

PLN/MWh, PLN/t, plan vs actual, MTD/YTD/EOY.

05

Alerts & anomalies

Power peaks, deviations, efficiency deterioration and losses.

06

Scenarios

What if price, plan, gas or plant availability changes?

Start with one decision that has the biggest impact on energy cost.

60-min discussion: energy profile • process flexibility • on-site generation • available data → pilot scope

contact@inanalytics.io

<https://inanalytics.io>