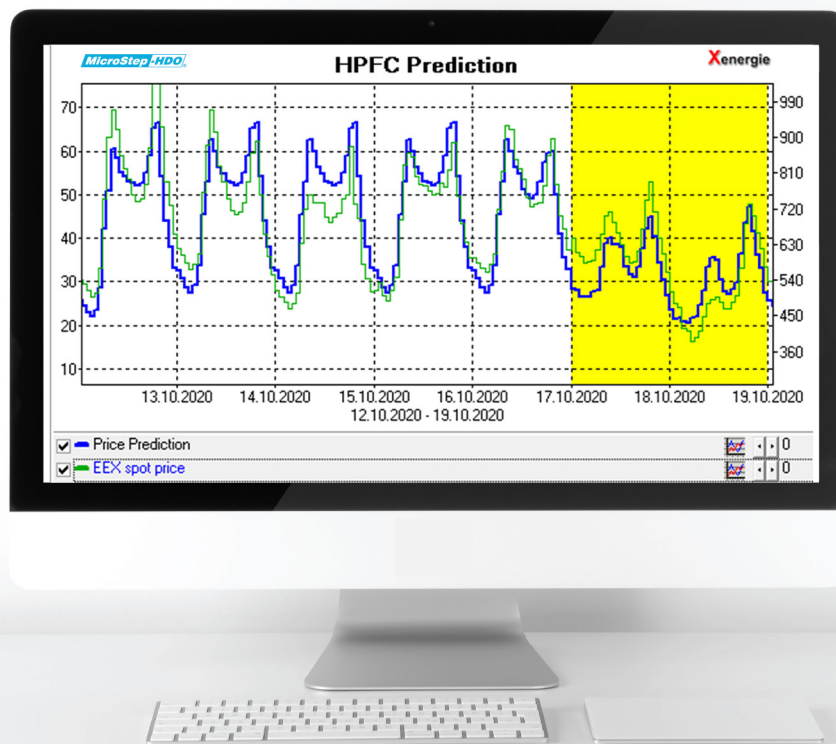![MicroStep-HDO logo]

XENERGIE

HPFC curve as a service

Price development prediction of energy commodities – HPFC curve (HOURLY PRICING FORWARD CURVE) represents an inevitable tool for companies operating in the energy business.

The curve indicates **future prices of the commodity** in a **hourly and daily** interval on the basis of all known current commodity prices.

It plays a crucial role in the conclusion of contracts and the calculation of the trading position for energy suppliers and energy traders as well as companies with high energy costs.

Content of the HPFC generation service

▶ Thanks to our service you will immediately have a high quality HPFC curve in and hourly differentiation at your disposal. Updates occur every day at 08:00 A.M. and 1:00 P.M.

The price curve contains data in the scope of **+1 day for up to approx. 5 years** (depends on the availability of futures).

▶ For the following industries and regions::

   • DE - EEX-DE-PHELIX
   • CZ - PXE-CZECH
   • HU – PXE-HUNGARIAN
   • PL - PXE-POLAND
   • SK – PXE-SLOVAK REPUBLIC
   • RO - PXE-ROMANIA
      Predictions for other regions on demand.

▶ Predictions of gas price rate for regions:
   • CZ VTP   • GPL   • NCG

Key attributes of the price curve

▶ Robust method of HPFC calculation on the basis of statistical analysis of historical data from spot and futures' prices.

▶ The curve is calculated in a way that prevents the possibility of an arbitrage.

▶ The curve is updated daily and **optimised**.

▶ We employ modern smart algorithms with the use of artificial intelligence.

▶ Our experts are at your disposal with more than 20 years of experience with the development of the XENERGIE system for key players on the energy market.

www.microstep-hdo.sk

Technology

Monthly HPFC averages have to correspond with F1BM while the rest of the current month is calculated by "subtracting" known spots from the current month's price M0.

In cases when the F1BM do not completely cover the quarter, the quarter FPFC averages correspond with F1BQ. If a price for a month is missing in a quarter, its price can be estimated from the price of the quarter and other two months in order to prevent an arbitrage.

In cases when the F1BQ do not cover a year, the annual HPFC must again correspond with F1BY. And once again if only one quarter is missing in a year, it can be estimated by near arbitrage.

In cases when F1BM are unknown, the HPFC divides monthly prices in proportion according to the twelve entered parameters of the function.

A couple of words about us

We are a supplier of solutions for energy trading, energy and industry. Our solutions are aimed at energy suppliers, who provide their services to end clients, energy traders and energy management in industry. We have been on the market for 27 years and the Chartis report has recently included us in the elite club of **TOP 25 global technology players** on modern energy markets.

Mode of supply of the service

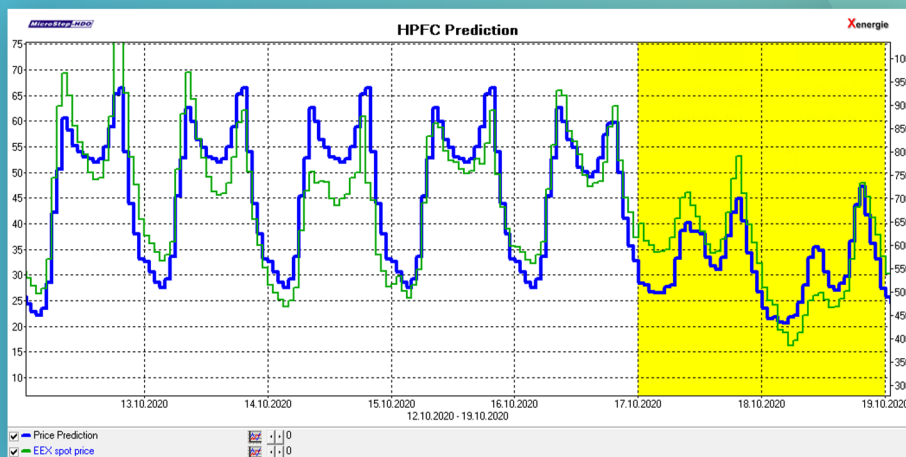**Data transfer:** e-mail, FTP, S-FTP

File formats: CSV, XLS

File structure: we will send you sample data upon request. If interested, we can customise the format to your requirements.

Periodicity of sending: business day, weekly, monthly, upon FTP request.

Try out our services

Please contact our specialist, we will be happy to provide you with a non-binding trial version.

HPFC Prediction

MicroStep·HDO®

SMART
SAFETY
SOLUTIONS
SUCCESS

Get to know our other product lines as well

VARIOSTEP

- Monitoring of distribution substations
- Control of HDO transmitters
- Collection of data from energy meter
- Energy review in real time
- Flexibility control of consumption points
- Building energy control centres

XAURON

- Configuration of the HDO transmitter load management system
- Configuration of switched mode objects, creation of circuit diagrams
- System monitoring
- Operational responses

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