



CO-OPTIMISED MARKET ALGORITHM

CROSS-BORDER BALANCING CAPACITY RESERVES AND ENERGY SALES ON THE SAME PLATFORM

FARCROSS

FARCROSS („FACilitating Regional CROSS-Border Electricity Transmission through Innovation”) project was established to present innovative solutions to improve cross-border interconnections of the transmission grid using new hardware and software tools developed and implemented in the FARCROSS project.

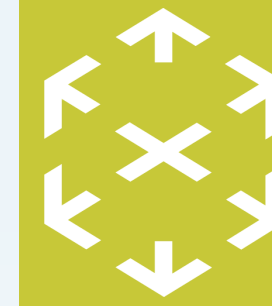
The objective is to develop and introduce advanced solutions, including capacity allocation and reserve optimization tools, as well as an algorithm which answers the question whether energy shipping or reserve procurements are more beneficial, considering the welfare gain of each option to open up reserve markets for competition for already liquid spot electricity markets.

TRADING BEYOND EU BORDERS

INTRADAY AUCTIONS BETWEEN HUNGARY AND SERBIA



TRINITY (TRansmission system enhancement of regioNal borders by means of IntellIgent market technologY) is a project connecting EU and non-EU countries in the South- and Central-Eastern European regions. TRINITY will define a transnational electricity market framework, proposing solutions for improving cross-border trade, competition, transparency and security of supply at regional level. A minimum set of harmonized requirements will be listed to allow intraday market coupling and bridge the gap between SEE and more mature European markets.



h u p x
HUNGARIAN POWER EXCHANGE



HORIZON 2020 PROJECTS

WHAT IS HUPX?

- HUPX is the Hungarian Nominated Electricity Market Operator
- provides transparent market platforms and reference price
- contributes to the development of the Hungarian electricity market
- operates day-ahead and intraday markets

WHAT IS H2020?

- EU-funded Research and Innovation programme
- nearly €80 billion of funding available over 7 years (2014 to 2020)
- world-firsts by taking great ideas from the lab to the market
- for smart, sustainable and inclusive economic growth



We aim for a single and unified electricity market with cross-border price harmonization.

WHAT WE DO?

HUPX actively participates in **research and innovation** actions under Horizon 2020 in Farcross and Trinity projects to facilitate **market integration**.

HUPX'S ROLE

- participates in a pilot project to develop a new co-optimised algorithm for jointly submitting bids for balancing capacity reserves and energy sales
- in charge of hosting the common TSO-NEMO platform

- expert of organized electricity market, supporting market coupling in the region
- product development by completing already existing portfolio
- provides market expertise for a new cross-border intraday auction between Serbia and Hungary by delivering a compatible IT solution with PCR assets

TIMELINE

More at: <https://farcross.eu/>

More at: <http://trinityh2020.eu/>

