

IMPROVEMENTS OF TRINITY

Project duration: 1st of October 2019 – 30th of September 2023

➤ The implementation of a single and unified electricity market is one of the main endeavours of the European Union. Connected electricity systems in Europe allows EU to boost security of supply and so integrate more renewables. While countries of Northern- and Western-Europe have been working to maintain coupled and well-coordinated markets for a long time, currently the conditions in Southern-Eastern Europe are less advanced.

TRINITY (Grant Agreement No 8638742, **TR**ansmission system enhancement of regio**N**al borders by means of **I**ntell**I**gen**T** market technology) project challenges the current situation and embraces market integration between EU and non-EU countries and develop feasible technical solutions to perform market coupling and enhance co-operation of market participants. <

➤ 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 common capacity services in the region.

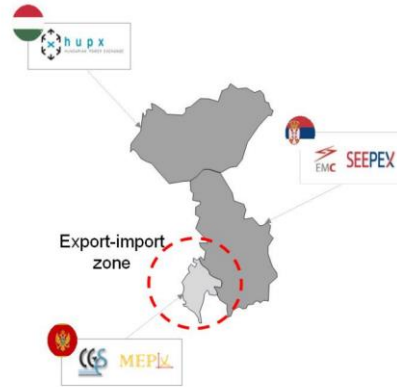
The consortium consists of 19 partners, including NEMO's, TSO's, Research centres, RES and technology providers.

Green transition and future changes of the power system have the potential to affect how and when electricity is traded. Renewable electricity growth is accelerating faster than ever, increasing the volume of energy being supplied by variable renewable generation technologies, the output of which is relatively uncertain at the day-ahead stage. <

➤ TRINITY addresses this problem by developing a new cross-border intraday auction between Hungary and Serbia. This new trading opportunity will enable market participants to adjust their positions closer to delivery. The demonstration will take advantage of the shortest 15 min lead time still using already well-known market features of the day-ahead auction-based market mechanisms. The new processes and market design rely on the EU-wide standards considering the Pan-European Intraday Auction Project (IDA Project) where potential extensions will be investigated.

Although intraday market coupling auction module represents only a technical solution to connect EU and non-EU members to trade electricity on organised markets, still serves as an excellent basis towards to coupled Europe's electricity systems. <





1. Figure: Involving a satellite area brings a great opportunity for smaller markets with less liquidity (Montenegrin bids will be also considered in the orderbook)

Current status: preparation for the demonstration is ongoing, the new intraday auction is foreseen from September 2022 covering 15 weeks with two weekly auctions:

- IDA1: on day D-1, afternoon auction with 60 min & block products
- IDA2: on day D, morning auction with 15 min & block products

Evaluation of results: permanently during the demonstration to align a set of test scenarios for the best achievements

For further information please visit:

<http://trinityh2020.eu/>

