An Integrated Platform for Increased FLEXibility in smart TRANSmision grids with STORage Entities and large penetration of Renewable Energy Sources

about FLEXITRANSTORE

- address the need for flexibility integration in the European power system
- introduce novel smart grid technologies, control and storage methods into the existing power system
- establish new business plans, players and market rules
- facilitate the valorisation of flexibility services offered by renewables
- enable increased cross-border flows

FLEXITRANSTORE project assists the evolution towards a pan-European transmission network with high flexibility and interconnection levels. The project works towards the advancement of the Internal European Market, facilitating the networking of cross-border players and further enabling energy trading.

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ICT technologies will be exploited to enhance the flexibility of the energy grid by integrating storage and demand response management. **FLEXITRANSTORE** components and the market infrastructure will be deployed in **8 Demonstrations** installed in **6 countries**, covering the full energy value chain.

**FLEXITRANSTORE expected outcomes**

**Replicability**: will support the effort for a liberalized energy market in Cyprus; a starting point for scaling the approach on a regional and finally pan-European level

**Socio-economics**: will promote consumers’ participation through new market approaches; will introduce novel technologies to improve utilization of the available energy, thus reducing operational and capacity costs

**Environment**: will contribute towards reduction of CO2 and other greenhouse gases emissions, by enabling higher RES penetration

**Market Transformation**: in line with the ETIP SNET 10 Year R&I Roadmap and the ENTSO-E R&I Roadmap 2017-2026, will impact both new and existing market participants

**Policy**: will provide policy recommendations to TSOs, DSOs, Market Regulators, Power Plant owners and other actors of the energy value chain

**Consortium**

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