

part of eex group

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> localflex

Valuing flexibility to transform power systems

The European Power Market

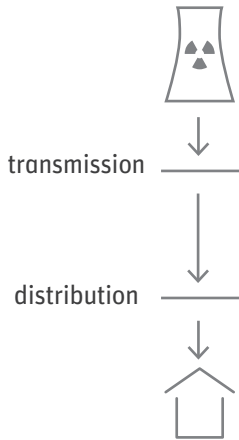
European-wide security of supply, competition and harmonised prices have been the goals the European Union wants to achieve through liberalising the European energy markets. One of the most visible results of this liberalisation is the emergence of energy trading and of power exchanges operating electricity markets.



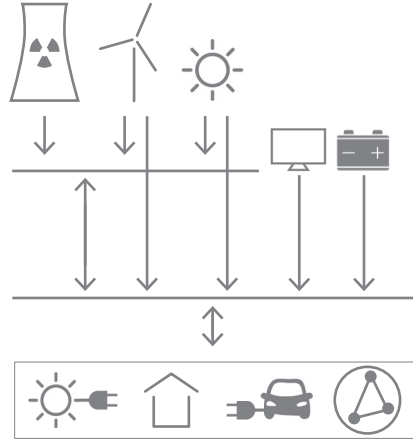
Accelerate the energy transition with Localflex markets

THE OLD centralised, dispatchable, unidirectional, large-scale, fixed

THE NEW distributed, intermittent, bi-directional, small-scale, on-demand



- Development of RES
- Decentralisation
- Multiplication of actors
- Volatility
- Grid congestion



The Localflex markets are **complementary to existing markets** to existing wholesale and balancing markets.

System operators:
Localflex efficiently centralises flexibility offers where and when needed to relieve congestions on the grid





Flexibility providers:
Localflex enables the wide variety of flexibility providers to monetise their flexibility





 Grid planning and investment optimisation

 TSO/DSO coordination

 Active system management


 Access to a large flexibility base


 High reliability


 Seamless deployment


 Agile development

 State-of-the-art trading platform

 New revenue streams

 Transparent pricing

 Open to both demand and generation resources big and small

 Fair and orderly market

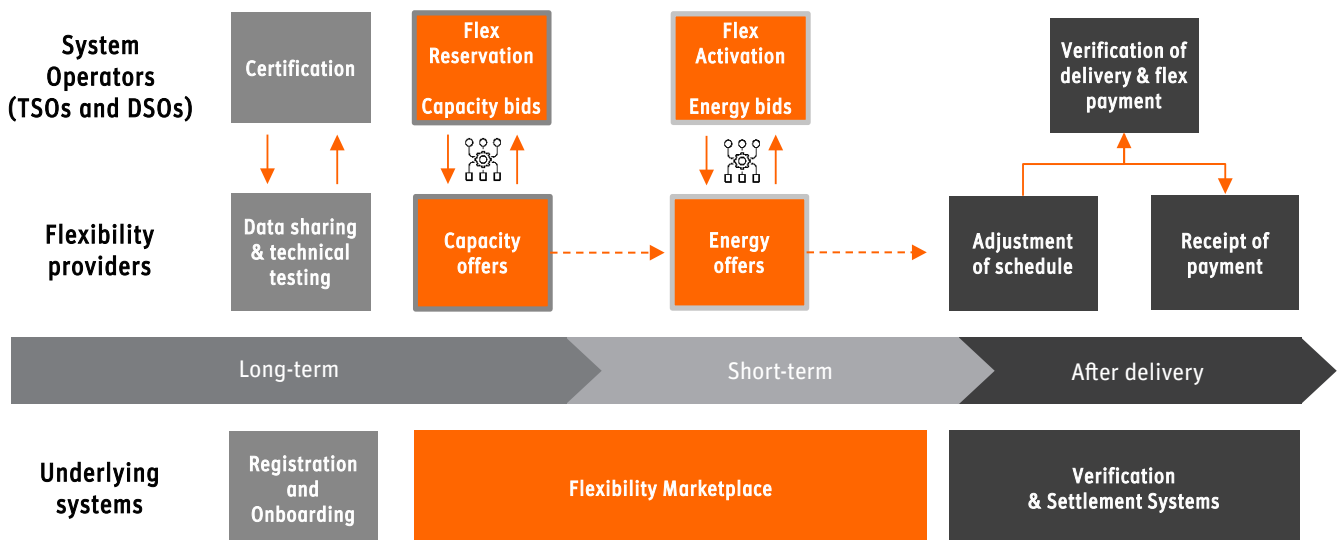
Developing Localflex projects throughout the grid...

Localflex markets are about the implementation of a **market mechanism** which:

- › **Efficiently centralises** local physical flexibility offers **where and when needed**
- › Encompasses both **long-term reservation and short-term activation**
- › Fosters the **development of European flexibility sources**

...to unlock the true value of flexible assets

A standard business process



Market Solutions for System Operators

We offer smart market solutions and tools to Transmission and Distribution System Operators as well as flexibility providers to meet the challenges of today and tomorrow.

- › Implicit cross-zonal auctions
- › Adequacy marketplaces
- › Congestion management
- › Frequency & balancing response
- › Data intelligence & consulting

Interested in partnering with us or benefitting from our market solutions?

Contact us: localflex@epexspot.com

Visit our website: www.epexspot.com/en/market-solutions-system-operators

Powered by



The EPEX Localflex markets use a state-of-the-art algorithm that ensures an optimal matching of flexibility supply and demand, offering possibilities to consider a wide range of constraints including TSO/DSO coordination.

This algorithm is developed by N-SIDE, a deeptech company that helps leading energy players make better, faster, and safer decisions. Additionally, N-SIDE is the algorithm provider for the pan-European Market Coupling.

One membership

EPEX SPOT Membership gives access to the widest range of markets, services and products.

- › **dayahead**
- › **localflex**
- › **intraday**
- › **e-learning**
- › **capacity**
- › **marketdata**

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