



SOCIALRES
Together we make energy

HOW TO LAUNCH AGGREGATORS AND P2P PLATFORMS

INFOPACK

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SocialRES is paving the way towards energy democracy! We are researching new ways to empower citizens and foster their involvement within the energy sector. At the same time, we are promoting active collaboration and social innovation within key players of the energy transition: cooperatives, energy aggregators and crowdfunding platforms.

This info-pack provides guidelines developed from cases in the SocialRES project. They can be used for making aggregators and P2P platforms more effective.

HOW TO LAUNCH A LOCAL AGGREGATOR?

Energy aggregators are companies that pool the consumption and production capacities of a large number of distributed energy sources. A local independent aggregator aggregates distributed energy resources into a virtual power plant.

To launch an aggregator, you need to first look at its activities as they will determine the prerequisites.

Is it possible to participate in markets?

There are different markets that can be entered. Each comes with some requirements:

- Wholesale electricity markets: the benefit is the higher profits provided and the lower risk of a failure to deliver the electricity due. Participation depends on minimum bid sizes and minimum/maximum prices;
- Balancing markets/ancillary services: the benefit here is the flexibility that gives the aggregator a competitive advantage. Sometimes the participation in this market is too expensive;
- Power purchase agreements (PPAs): the benefit is to be able to sell directly their generated

electricity to a utility or private company. There are no identifiable difficulties here.

Technical feasibility still remains one of the most important barriers as technical requirements are hardly met at the household level.

HOW TO LAUNCH A P2P PLATFORM?

A P2P platform is a platform which enables some participants (consumers, prosumers, small renewable energy producers and one strategic energy supplier) to give up their classic energy supplier and buy/sell energy on energy trading platforms in a democratized manner without losing their supply security.

Requirements/Preconditions

The participants should consider the following important points when launching a P2P platform:

- They require minimal information and knowledge in communication technologies;
- They should follow some basic "Sign In" steps in a browser in order to get an account generated and proceed to trade energy;
- A smart meter is needed so that the account

- can be used for energy market transactions. Participants can easily activate their smart meters via their account;
- The challenge for the participant lies not in the technical requirements of the platform but in the energy transaction methodology. Before starting the energy transactions, the participant should thoroughly read the guidance in order to get an overview of the rather complex transactional logic;
 - P2P platforms needs some time to be managed successfully, it is therefore not worth participating for a short period of time.
- P2P platforms represent a mix between a centralized market and a peer-to-peer energy market and give participants a choice in trading.

The content of this info-pack has been re-elaborated starting from the Deliverable 2.3. For more information, references and case-studies examples about this topic please read the whole document: <https://socialres.eu/wp-content/uploads/2022/01/SocialRES-D2.3.pdf>



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