Unlocking distributed flexibility

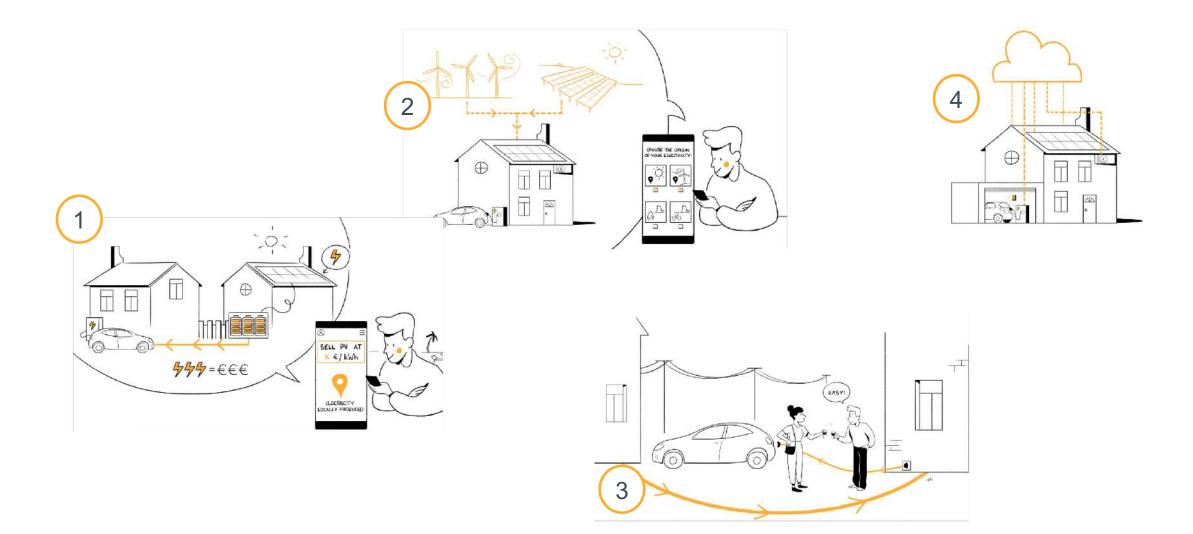
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Elia's role in enabling demand side flexibility

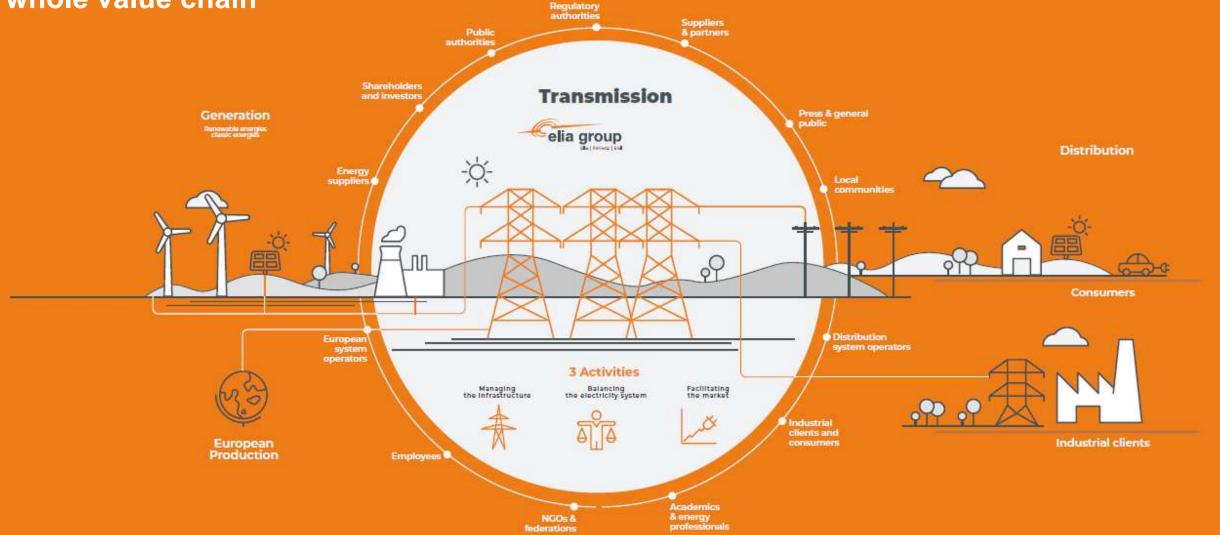
21.06.2023 | Sebastiaan Coppenholle



What should the future look like?



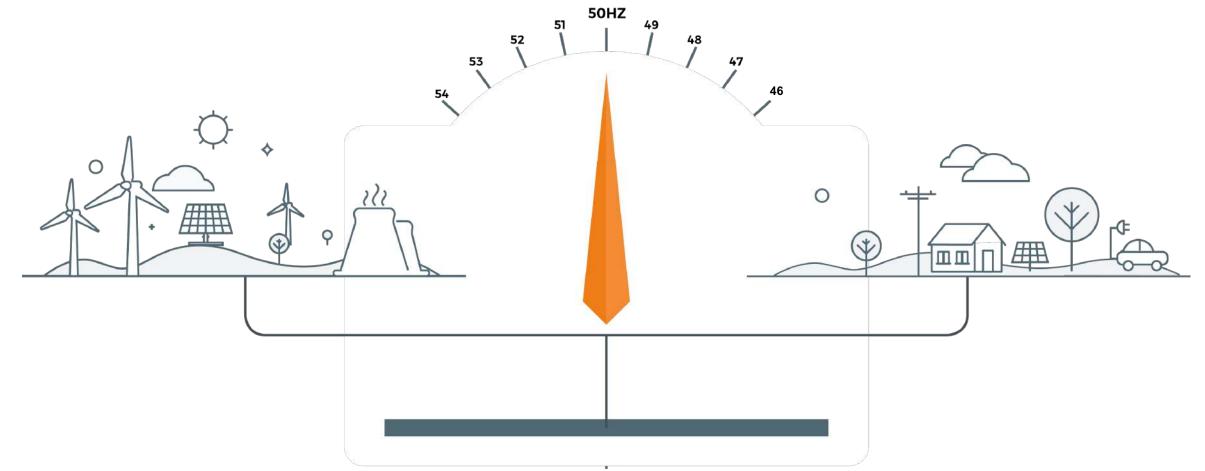
Elia group plays a key role in the energy system, connecting generation to distribution whilst taking into account different actors throughout the whole value chain



elia group



Balancing the electricity system has raised new challenges due to increases in renewable energy generation and electrification

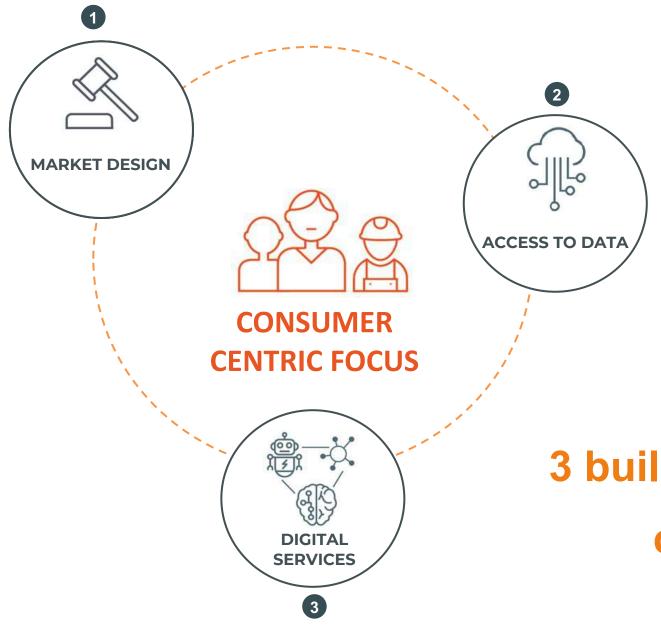




These new challenges require a paradigm shift of the current electricity system towards a more consumer centric approach

From generation following inflexible demand To demand following intermittent generation Supplier/BRP-centrin Future epicentre around the consumer Market design centered around Suppliers - BRPs M





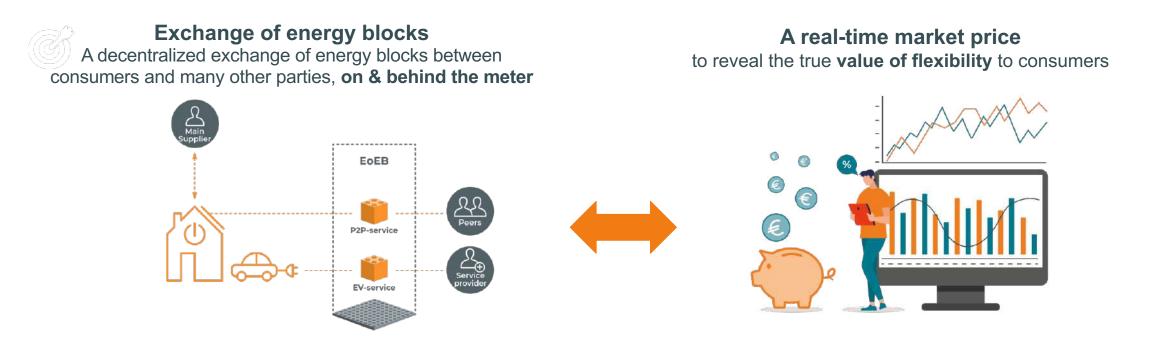
3 building blocks to realize the

consumer-centric system

Elia Group is working on a new consumer centric market design which aims to enable consumer flexibility



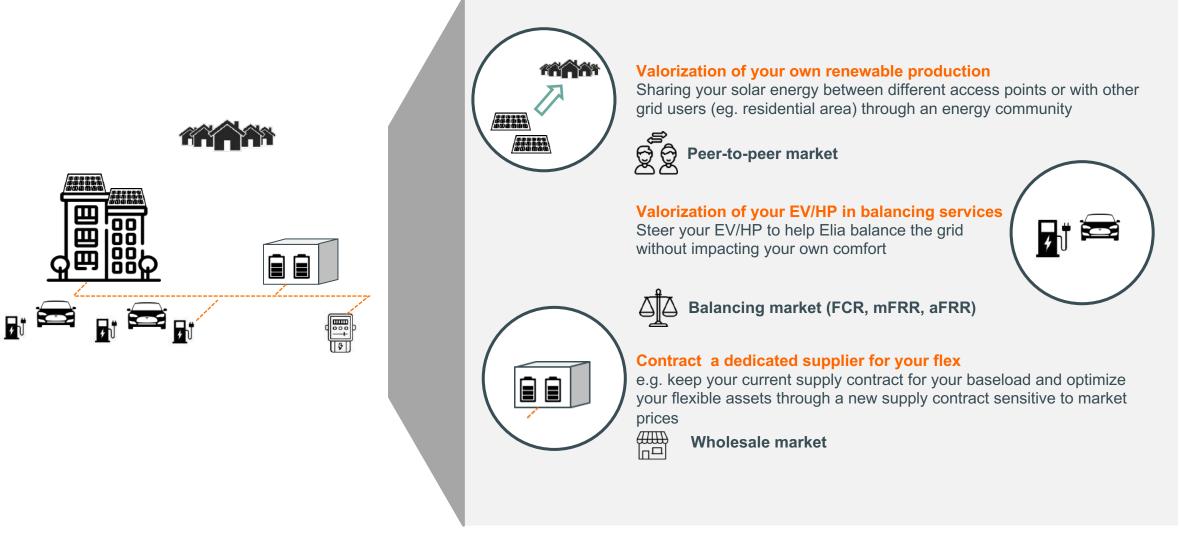
Consumer-centric market design to unlock flexibility - two key features



Facilitating the **development of additional flexibility** should come **together** with the development of a clear incentive, the **real-time price**

The building sector can deliver flexibility through an optimized use of their flexibility devices, optimizing their own cost structure





Watts.happening creates awareness to industrials about flexibility options through a free and easy-to-use simulator

https://www.wattshappening.be | an elia





Starting point

Watts.happening

service offering

"As industrial grid user, I have some flexibility with my assets and operations. What are my options? What is the value behind? What are concrete steps to take? ..."

Information

- Information on flexibility products
- Points of contact
- Testimonials of other similar companies

Simulation

- Overview of the best flexibility product fit for your asset
- Estimation of potential financial revenues, in function of participation to flex products / markets







Select an asset and add your data

Run the simulation



Find out the best fit for your company

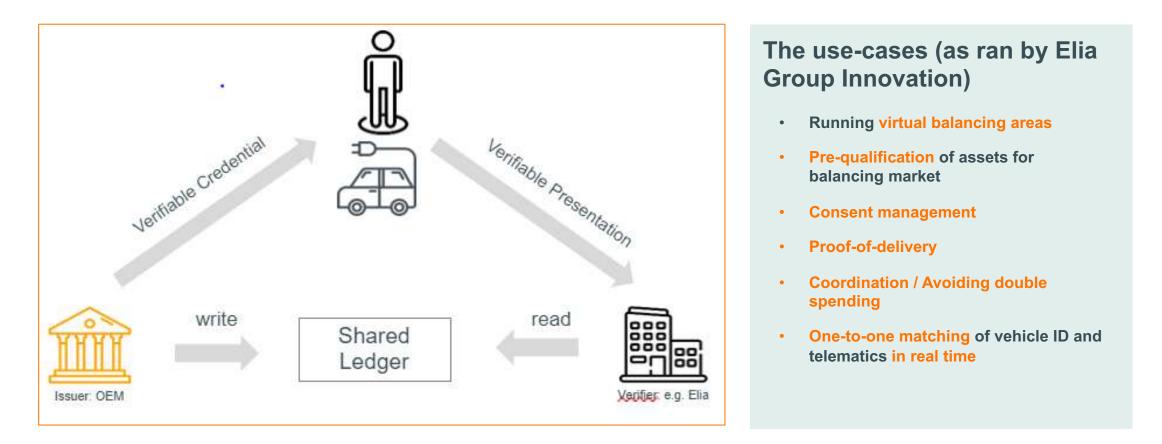


Discover next steps and get started





Self-Sovereign identities allow trusted interactions with low voltage assets, allowing new opportunities for DER's to participate in flexibility schemes.





Thank you.

