



Energy storage policy: the UK perspective

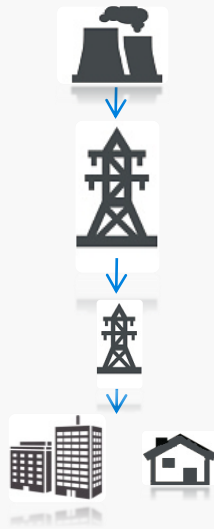
Session 2.4 – Energy Storage Policy: the EU Member States Perspective

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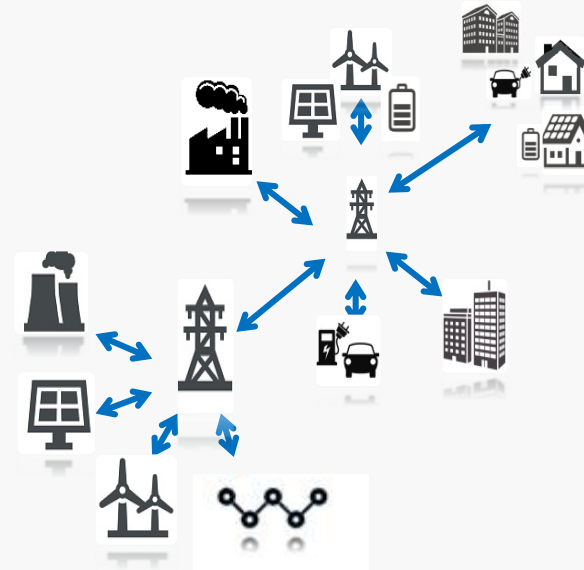
Our electricity system is undergoing fundamental change

Yesterday



- Carbon intensive
- Centralised generation
- Predictable supplies

Emerging System – increased interactions



- Low carbon
- Interconnectors
- More distributed
- Storage
- Demand-side response
- Electric vehicles/heat
- Smart grids
- A smart system



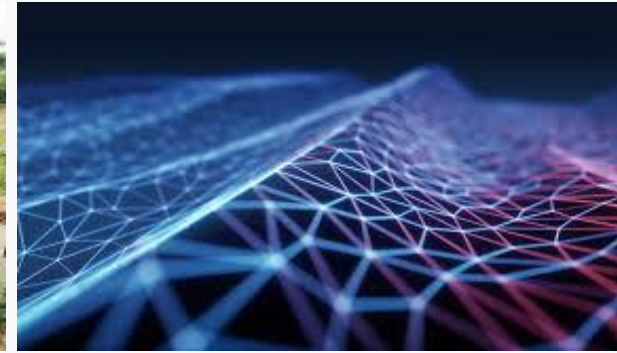
Business and consumer opportunities, underpinned by rapid technology change



May 2018 - PivotPower announces plans to build 2GW of batteries with EV charging, also to provide new 'flexibility services' to the SO



August 2018 – Storage provider to partner with water utility to integrate solar and storage at UK water treatment sites



Summer 2018 – Limejump becomes first aggregator to participate in the BM



June 2018 - There are now over 12 million smart and advanced meters operating across homes and businesses in GB



Summer 2018 –Anesco Breach Farm first battery accepted in BM



Spring 2018 – first investment storage-only fund in UK, raising £30.6m



Smart Systems & Flexibility Plan

- Call for Evidence on smart energy was launched in Nov 2016
- Plan launched in July 2017
- 29 actions for Government, Ofgem and industry to deliver in three key areas, aligned with UK Industrial Strategy
- One year later, Ofgem, Government and industry have delivered more than half of the actions

**Removing barriers to
smart technologies**



**Smart homes and
businesses**

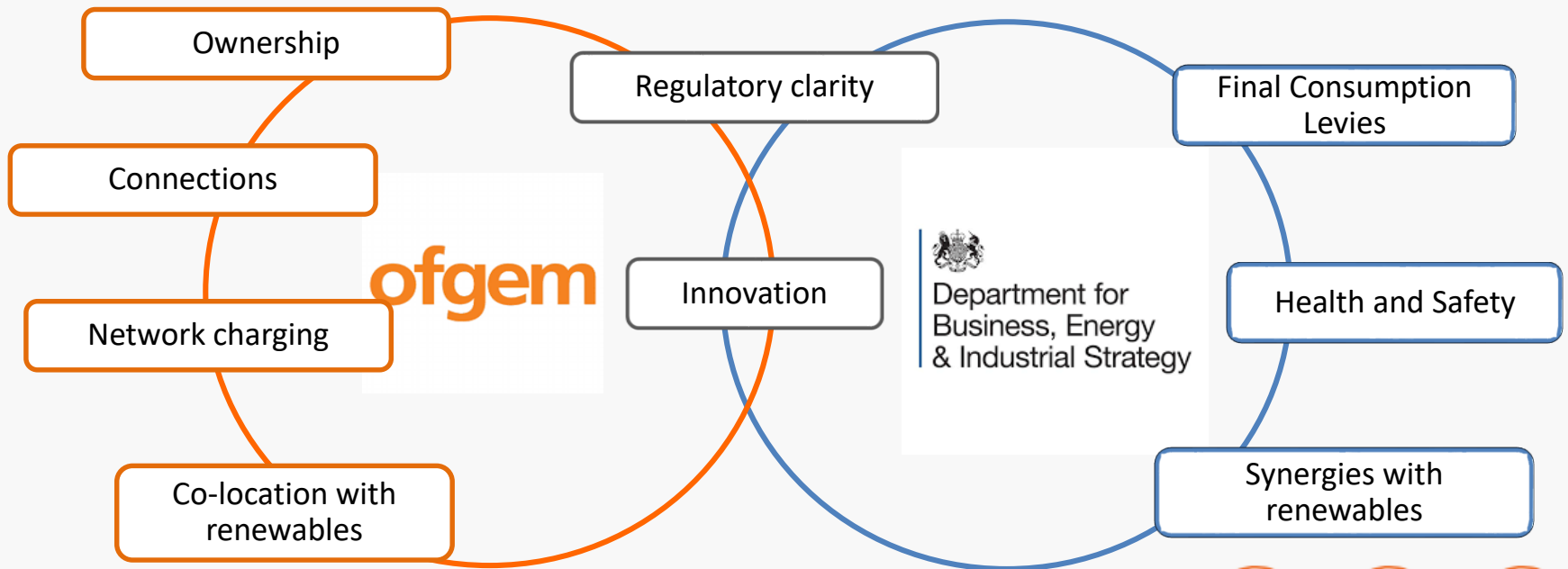


**Markets that work for
flexibility**



Removing barriers to smart technologies Electricity storage

Our aim is to **create a level playing field, so that energy storage can compete fairly** with other forms of flexibility and more traditional energy solutions



Innovation funding

The Smart System and Flexibility Plan announced **up to £70 million of funding to support smart energy innovation** up to 2021.

This has resulted in 6 competitions across storage, DSR, electric vehicles and markets.

The **£102.5m Prospering from the Energy Revolution programme** has also been launched which will develop and demonstrate **integrated local energy solutions** across power, heat and transport to provide cleaner, cheaper and more resilient energy for consumers.

The Industrial Strategy Challenge Fund includes the **'Faraday Challenge'** – an investment of **£246m** to ensure the UK becomes a world-leader in the development and manufacture of batteries for the electrification of vehicles.

The UK's involvement in the international **Mission Innovation programme** has led to joint innovation competitions with South Korea and Canada which have a focus on smart energy systems and technologies



Thank you!

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