

## The Midlands: powering the UK's clean energy revolution



## Energy Systems Catapult



## CASE STUDY

Energy Systems Catapult is an independent research and technology organisation whose mission is to accelerate net-zero energy innovation.

Launched in 2015 by Innovate UK, the Catapult has built a team of more than 260 people with a range of technical, engineering, consumer, commercial, incubation, digital and policy expertise. The Catapult draws on sector-leading test facilities and modelling tools and data collected from its back catalogue of more than 500 research projects.

The Catapult uses that whole energy system capability to support innovative companies small and large to test, trial and scale new products and services. Impact comes when those innovators attract the new customers, investment and grants they need to thrive in the future energy system.

Based in Birmingham, Energy Systems Catapult is part of a network of nine world-leading technology and innovation centres established by Innovate UK. The Catapult Network fosters collaboration between industry, government, research organisations, academia, and many others to transform great ideas into valuable products and services.

The Catapult has five strategic ambitions:

1. Support UK companies to become global leaders in energy innovation
2. Make it easy and desirable for people to decarbonise their homes
3. Provide businesses and the public sector with the tools to quickly and easily decarbonise the energy used in their buildings and sites

4. Encourage every local area in the UK to invest in new net-zero energy infrastructure based on robust whole system plans

5. Drive the rapid roll-out of a new flexible, digitalised net-zero energy system which is more resilient and better for all consumers.

The Catapult's activities include:

- Helping home energy innovators test, trial and scale new products, services and business models (including through consumer insight and proposition design, business model innovation and, test and demonstration)
- Accelerating public, commercial and industrial sites' plans to cut their emissions
- Empowering local authorities to take net zero action
- Equipping leaders in government, networks, energy retailers and businesses with trusted net zero insights based on the Catapult's suite of whole systems models, world-class systems thinking and deep energy expertise
- Helping early-stage innovators grow and scale
- Tackling the hardest net zero challenges with digital and data innovation