



Catapult energy systems Ireland

Who is Energy Systems Catapult?

Energy Systems Catapult is an independent research and technology organisation. Our mission is to accelerate Net Zero energy innovation. Launched in 2015 by Innovate UK, the Catapult has built a team of more than 250 people, with a range of technical, engineering, consumer, commercial, incubation, digital and policy expertise.

How does Energy Systems Catapult evaluate the impact of the Living Lab?

Energy Systems Catapult evaluates the impact of the Living Lab as part of its relationship with Innovate UK. It also monitors the impact on businesses of Living Lab support to help identify the value of the facility and the opportunities for improvement. For reasons of commercial sensitivity, these evaluations are not publicly available.

How does the catapult work?

They draw on sector-leading test facilities, modelling tools, and data collected from our 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 their new products and services.

Why do you want to work at Energy Systems Catapult?

We're always looking for brilliant individuals who want to help accelerate the transformation of the energy system. Our ambition is that the work you do at Energy Systems Catapult will be the most important work of your career. Ready for a new challenge? Join us to: Solve the most complex problems on our path to decarbonisation.

What is the Catapult network?

The Catapult Network fosters collaboration between industry, government, research organisations, academia, and many others to transform great ideas into valuable products and services. What do we want to achieve?

How is catapults funded?

The government intends for the Catapults' innovation activities to be funded one-third from a core grant from the government via Innovate UK, one-third from industry partners, and one-third from collaborative R&D funds bid for by consortiums involving Catapults.

Energy Systems Catapult's board and senior leadership team brings together a wealth of experience from a whole energy system perspective, with commercial, technical and policy expertise from across industry, academia and ...

The Living Lab is run by Energy Systems Catapult (ESC), an independent, not-for-profit organisation set up by the UK government to accelerate innovation in the energy industry. If the UK is going to hit its Net Zero targets, it needs to cut carbon emissions from how we power and heat our homes significantly.

Energy Systems Catapult designed the facility to enable small and large businesses to rapidly design, market-test and launch their smart energy innovations with real people in their own homes in real time. It also provides a ...

A new report focusing on transitional arrangements for the reform of Great Britain's electricity market has been released by Energy Systems Catapult. As the country strives to meet its Clean Power 2030 Mission commitments, current electricity market arrangements have been deemed insufficient to meet future energy demands.

Energy Systems Catapult has worked on three pilot local area studies exploring the decarbonisation of heat in buildings as part of the Energy Technologies Institute's Smart Systems and Heat (SSH) Programme. These are all able to achieve the near complete decarbonisation of heat using existing technologies. The most cost-effective and ...

The UK government established Energy Systems Catapult in 2013 as an independent not-for-profit entity that is publicly funded to accelerate the transformation of the United Kingdom's energy system and help UK businesses and consumers to capture the associated economic opportunities. Energy Systems is one of nine Catapults, with others ...

Energy Systems Catapult was commissioned by Octopus Energy to develop recommendations for how to protect investment while reforming the electricity market. This is a topic that could help build consensus for change, but which has received ...

Discover how Energy Systems Catapult turbo boosted innovation across homes, sites, places and networks, and helps design the energy system of the future during 2022/23. ... (LEARs) were delivered for a range of councils including Causeway Coast & Glens in Northern Ireland, five local authorities of Cambridgeshire and three local authorities of ...

Energy Systems Catapult invented the Warm Home Prescription service in response to this challenge. We carried out a rapid discovery phase in 2020 and understood some key assumptions to test in future stages and trials. ... Trust ...

The Department for Energy Security and Net Zero (DESNZ) commissioned Energy Systems Catapult to model planting scenarios for three energy crops: Miscanthus, short rotation forestry (SRF) and short rotation coppice (SRC) willow. ... and Northern Ireland. SRC is used in BECCS facilities mostly in either Merseyside or Teesside, or in large-scale ...

Energy System Catapult's Domestic heat demand study found: Rising average temperatures, due to climate change, will lead to reductions in space heat demand in winter, but also an increase in demand for building cooling in summer.

Philip New left the position of CEO for the Energy Systems Catapult recently. Here he looks back on it becoming a critical part in the UK's energy jigsaw - and what the future may hold.

Energy Systems Catapult was launched in 2015 with a mission to accelerate the transformation to a Net Zero economy, turbo boost clean growth innovators, and to design the decarbonised energy system of the future. We're not afraid to get our hands dirty and work directly with Net Zero innovators to test, trial, and scale their ideas.

Energy Systems Catapult's board and senior leadership team brings together a wealth of experience from a whole energy system perspective, with commercial, technical and policy expertise from across industry, academia and government. Dr Tony Cocker. Chairman. Learn more Guy Newey.

These characteristics impact the ambitions and priorities for a future Net Zero energy system. The Innovation. The decision for a local authority to run a concurrent LAEP project with a focussed smaller area decarbonisation project ...

Visit us on LinkedIn: energy-systems-catapult. Find us 7th Floor, Cannon House Priory Queensway Birmingham. B4 6BS. Call us +44(0)121 203 3700. General enquiries info@es.catapult .uk . Contact us. Please complete the form below with details of your query. First name* Last ...

The Energy Systems Catapult supports innovators in unleashing opportunities from the transition to a clean, intelligent energy system. It is part of a network of world-leading centres set up by the government to transform the UK's capability for innovation in specific sectors and help drive future economic growth.

A new report by Energy Systems Catapult has found Net Zero by 2050 is possible with support for innovation and scale-up across three essential areas - Low Carbon Technology, Land Use and Lifestyle. Will the UK be Net Zero by 2050? The Innovating to Net Zero report modelled 100s of potential pathways to 2050 - ramping up or down different technologies and behaviour ...

Richard Halsey, Capabilities Director at Energy Systems Catapult, said: "the decarbonisation of heat is vitally important to meeting Net Zero targets and electrification will play a crucial role. "The Electrification of Heat project is helping us understand the customer journey, installation and performance of heat pumps across Britain and ...

The Energy Networks Association represents the companies which operate the electricity wires, gas pipes and energy system in the UK and Ireland. The ENA helps its members meet the challenge of delivering ...

Energy Systems Catapult invented the Warm Home Prescription service in response to this challenge. We carried out a rapid discovery phase in 2020 and understood some key assumptions to test in future stages and trials. ... Trust provides across the UK, which include the Welsh Government's Nest fuel poverty scheme and

work in Northern Ireland ...

how it might be developed to benefit the energy sector. The work presents the cumulative thinking of the consortium of Arup, Energy Systems Catapult and the University of Bath, along with the 100+ individuals and organisations that were consulted in the co-creation of what has now become the concept of a data sharing infrastructure.

In March 2021, Energy Systems Catapult (ESC) published its reform proposals for GB's future power market - in Rethinking Electricity Markets - EMR2.0 - based on an innovation-friendly and consumer-focussed approach. Among the ...

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The Living Lab has been developed by the innovation agency Energy Systems Catapult as a real-world test environment, where innovators can rapidly design, market-test and launch cutting-edge energy products, services and business models. ... Wales and Northern Ireland, the Living Lab has a variety of tenures (owners, renters, etc), property ...

Energy Systems Catapult statement on the Clean Power 2030 Action Plan. 13 December 2024. Energy Systems Catapult strengthens Board with appointment of industry leaders. 10 December 2024. eHGV charger connections guide released by eFREIGHT 2030 to accelerate the deployment of charging infrastructure.

Energy Systems Catapult worked with Senergy via our Energy Launchpad, including: Home Energy Dynamics - using our ground-breaking simulation tool, our Modelling experts helped validate the performance of the product with a range of housing types and occupancy profiles to understand the value proposition and economic benefits.

Philip New left the position of CEO for the Energy Systems Catapult recently. Here he looks back on it becoming a critical part in the UK's energy jigsaw - and what the future may hold. As one of BP's earliest champions of alternative energy, Philip New spent decades pioneering new ways of powering human endeavour - in an often sceptical environment. Then ...



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