

The Birmingham Centre for Energy Storage (BCES) convenes researchers from across the University of Birmingham to drive innovation from the laboratory to market. Established in 2013 with a £12 million investment from UK industry ...

A novel air-conditioning technology based on energy storage for high-speed trains. Lead organisation: University of Birmingham. Funder: CSR QINGDAO SIFANG CO LTD. Project duration: October 2015 - June 2017. Key phase change-based energy storage technologies for effective renewable energy utilisation. Lead organisation: University of Birmingham

For further information please contact Beck Lockwood, Press Office, University of Birmingham, tel 0121 414 2772.; The University of Birmingham is ranked amongst the world's top 100 institutions. Its work brings ...

Supergen Network+. We are an integrated, forward-looking platform that supports, nurtures the expertise of the energy storage community, disseminating it through academia, industry and policy, at a particularly important time when decisions on future funding and research strategy are still being resolved.

EnC ISAC Energy Community Information Sharing and Analysis Centre ENTSO - E European Network of Transmission System Operators for Electricity ENTSO - G European Network of Transmission System Operators for Gas ERC Energy and Water Services Regulatory Commission of the Republic of North Macedonia ESCO Energy Service Company

Today, the research groups under the Centre tackle a wide range of themes, including energy conversion and storage materials; thermal and thermochemical energy conversion and storage devices and systems; cross ...

The projects supported are: Energy Storage Integration for a Net Zero Grid; Led by the University of Sheffield and supported by Dr Jonathan Radcliffe the Energy Storage Integration for a Net Zero Grid project will determine how different distributed energy storage devices, of different sizes and technologies, can be integrated into the grid.

The Multiscale Optimization and Design for Energy Storage (MODES) group led by Dr Adriano Sciacovelli strive to propose innovative solutions for energy technologies to tackle real-world problems. The activities of the MODES group include modelling, numerical simulations and experimental work. The primary focus of the team is thermal and ...

Lab and pilot-scale facilities for thermal energy storage materials and modules fabrication using an extrusion-based facility for low to medium temperature composite phase change materials (up to 0.5 ton/day)

and composite ...

Skopje - On April 1st, 2022, the Head of IOM North Macedonia and the Minister of Environment and Physical Planning of the Republic of North Macedonia, together with University of Birmingham, launched a new initiative "Utilizing A Systems Approach to Assess the Nexus Between Air Pollution and Human Mobility and Mainstream the Nexus into Policy Development ...

September 7, 2023: The BMZ Group announced plans on September 5 to build a new production plant in North Macedonia. The Germany-headquartered lithium battery systems firm has started work on a greenfield site in the Skopje 2 technological industrial development zone in Skopje for the group's fifth production plant.

The UK's leading energy storage experts are setting up a new network to tackle urgent challenges in the field. Led by the Birmingham Centre for Energy Storage (BCES), the Supergen Energy Storage Network+ 2019 will connect researchers from diverse disciplines and support new collaborations and innovative research.

According to the draft Law on Energy, operators of battery energy storage systems will enter the electricity market. North Macedonia published it in a package with the new Law on Renewable Energy Sources, which is set to introduce statistical transfers with other countries as well as energy communities and guarantees of origin.

The Birmingham Centre for Energy Storage (BCES) brings together research expertise from across the University to identify and address key energy storage challenges and their solutions. Through our research, BCES draws on the expertise and excellence of academia, research institutes and industry. The Centre's integrated approach across ...

After an internship with CMI Environment on the topic of thermal energy storage of waste heat in the steel-making processes, Robin joined the Birmingham Center for Energy Storage group in January 2018 to carry out a PhD in seasonal thermal energy storage for domestic applications.

The Royal Academy of Engineering and Highview Power Storage, the UK-based developer of large-scale long duration Liquid Air Energy Storage (LAES) systems, have teamed up to create and fund the new Chair to explore the limits of this emerging technology, which has the potential to drive the development of variable renewable energy sources such as wind and ...

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