

ERA ENERGY RESEARCH ACCELERATOR

ACCELERATE

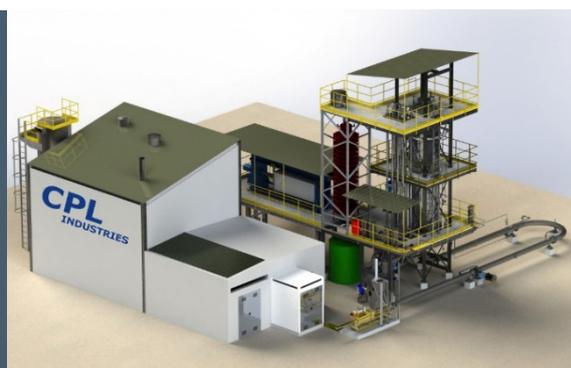
NOVEMBER 2017 EDITION

New technology to make 'coal' in hours!

The Energy Research Accelerator is partnering with CPL industries to install a commercial-scale Hydrothermal Carbonisation (HTC) unit which converts biomass into solid fuel. The process mimics the way that coal is formed, but takes just a few hours to complete.

Next-gen biomass fuels

This new partnership combines academic expertise from the University of Nottingham with the commercial know-how of CPL industries, a manufacturer of smokeless fuels. The aim of the HTC facility is to provide a bio-coal alternative for domestic and



industrial customers.

[Read more...](#)

Promoting energy innovation at Innovate 17

ERA attended Innovate 2017 at the NEC, Birmingham on the 8th and 9th November. Approximately 300 people visited the ERA stand to find out about the projects taking place across the partner institutes. ERA's Chief Executive, Gordon Waddington, also spoke on the main stage at the conference, discussing the energy challenges facing the UK.



PARTNER UPDATES

Warwick part of new national £65 million battery research initiative

WMG researchers, at the University of Warwick, will be a significant part of a new £65 million national battery research initiative. The Faraday Institution will drive and accelerate fundamental research in developing battery technologies.

[Read more...](#)



Electric sports car developed at Leicester

Engineers from the University of Leicester have helped in the development of a new, ultra-high performance, electric sports car project - HIPERCAR. It is destined for production by Ariel Motor Company in 2020 alongside the Atom, Nomad and Ace.

[Read more...](#)



University of Birmingham to host world's first clean cold congress

In 2018, the world's first international congress dedicated to clean cold in Birmingham will see academic experts join leaders from industry and government to map a global response to ever-increasing global demands for cooling.

[Read more...](#)



Renewable Energy - solar and storage workshop

The Energy Technologies Research Institute at the University of Nottingham is running a Renewable Energy - Solar and Storage Workshop on Tuesday 5th and Wednesday 6th December 2017. The workshop explores renewable energy, energy efficiency, solar PV, microgrids, storage and electric vehicles. [Read more.](#)



Loughborough part of national energy infrastructure improvement programme

Loughborough University is part of a £276m infrastructure research programme - UKCRIC - which



will provide cutting-edge research to bolster the country's rail, urban water, waste, environmental, energy and ICT infrastructures.

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Value from waste masterclass by EBRI

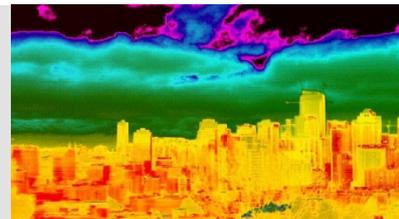
EBRI's Master Class courses provide exclusive content for entrepreneurs and business leaders, covering the technical and commercial fundamentals of bioenergy and energy systems.

Businesses wanting a better understanding of the bioenergy market and how to develop new products can benefit from attending this two-day course in Shrewsbury on 21-22 March 2018. [Read more...](#)



New hydrogen research project aims to take carbon out of heating

The British Geological Survey (BGS) is leading a project to support the decarbonisation of heating in large UK cities using novel hydrogen-based technology. The objective of the project is to develop cost-effective technologies to reduce CO2 emissions from domestic heating currently released into the atmosphere. [Read more...](#)



BLOG: THE ROLE OF THE MIDLANDS IN THE UK ENERGY MARKET



In this month's blog, ERA's Chief Executive, Gordon Waddington, explores the Midlands' outstanding research base in clean energy and the opportunities for the region to become a national and international beacon for clean energy technologies.

[Read more...](#)

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About the Energy Research Accelerator

Funded by Innovate UK, the Energy Research Accelerator works with industry, government and higher education institutes to undertake innovative research, develop the next generation of energy leaders and demonstrate low carbon technologies that help shape the future of the UK's energy landscape.

For more details about our work and our partners, visit www.era.ac.uk

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