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# About Us

UK FIRES is a 5-year research programme funded by £5m of UKRI support and the subscriptions of an active and growing industrial consortium. With academics from six universities spanning from materials engineering through data science to economics, corporate strategy and policy and an industry consortium spanning from mining through construction and manufacturing to final goods.

## Zero Emissions

UK FIRES stands for placing Resource Efficiency at the heart of the UK's Future Industrial Strategy. When we proposed UK FIRES, it was to focus on Resource Efficiency as the key means to reduce industrial emissions. However, in 2019, both houses of Parliament unanimously approved a change to the UK's climate change act to target zero emissions in 2050. This has been reinforced by recent Government targets for 2030 and 2035.

**So, although we haven't changed our name to UK FIZES, our focus is now on placing Zero Emissions at the heart of the UK's Future Industrial Strategy.**

UK FIRES takes a pragmatic approach: we focus only on technologies that are available to us today and exclude those that have yet to be proven at meaningful scale, since they simply may not be ready in time. In 2050 we aim to meet the energy demand of UK society by non-emitting electricity generation.

## Absolute Zero

In December 2019, UK FIRES released the "Absolute Zero" report, a ground-breaking description of the operation of the UK with zero emissions by 2050, without relying on as as-yet un-scaled energy sector or negative emissions technologies. This pragmatic but striking view of the journey to zero emissions has attracted widespread interest including a full debate in the House of Lords in February 2020. Following the report, at the request of the UK Catapults, the UK FIRES team have been working through industry-focused workshops to develop five sectoral innovation reports to reveal the wealth of business growth opportunity revealed by the Absolute Zero analysis. These will be released during 2021.

[Our Vision](#)[Meet the team](#)[Get involved](#)

## Contact Us

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### Get in touch!

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What are we working on?

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construction energy transition ground transportation **innovation** renewable energy transport transport systems urban

planning **workshop**

Latest news from UK Fires

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**OPPORTUNITY: Research Associate/Senior Research Associate in the Timelines of Delivering Climate Mitigation Projects (Fixed Term)**

Fran O'Neill Sergent

New resource: Tick Zero's Real Climate Solutions

NEW REPORT: UK FIRES identifies £200bn annual opportunity for energy sector to deliver energy savings

Blog: Economics does not hold the key to solving Climate Change

## Our Partners

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Find out more about us

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# UK FIRES

Locating **Resource Efficiency** at the heart  
of **Future Industrial Strategy**

EPSRC

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UK Fires is a collaboration between the universities of Cambridge, Oxford, Nottingham, Bath and Imperial College London.

We are funded by EPSRC. The Engineering and Physical Sciences Research Council is the main funding body for engineering and physical sciences research in the UK. By investing and postgraduate training, we are building the knowledge and skills needed to address the scientific and technological challenges facing the nation.

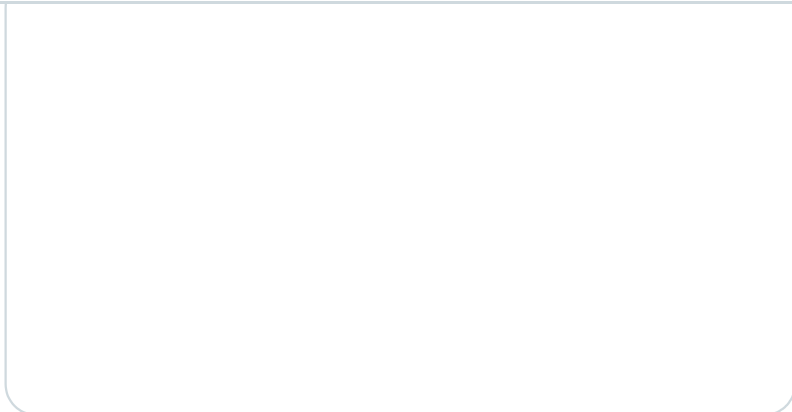


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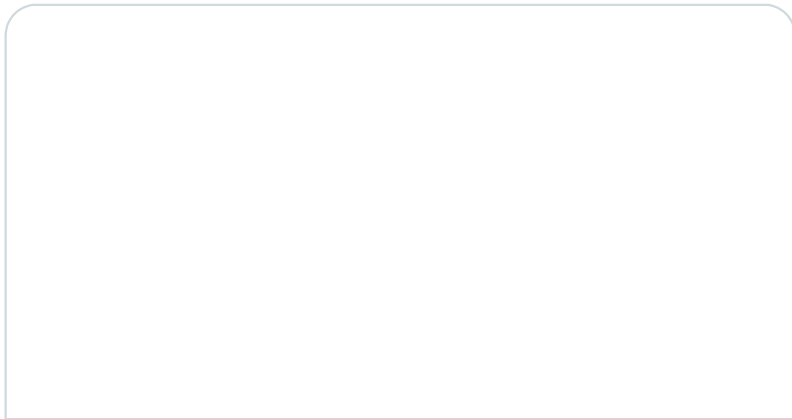
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Future skyscrapers could be made of mud. Solving the cement problem with BBC Earth. UK FIRES and Cambridge Electric Cement's Dr Pippa Horton's contribution at 7 minutes.



youtube.com  
Future Classrooms Could Be Made Of

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