IDRIC

Green Industrial Futures
Centre for Doctoral Training

Conference 2025

Green Industrial Futures: Strategies and Solutions

Opening Keynote

Laura Sandys CBE

Chair Electrify Industry

ELECTRIFY
INDUSTRY
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How we started...

SIX WAYS TO DRIVE GROWTH

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1. Unlock the future of UK industry
2. Invest in electrification
3. Optimise and increase Grid connectivity
4. Strengthen the supply chain
5. Invest in skills
6. Research and innovate

Source: Electrify Industry: A Programme for Growth in the 21st Century

Formed by industrial businesses with ambitions to decarbonise the UK economy affordably and at pace through electrification

Without IDRIC, Electrify Industry would not have emerged. Thank you

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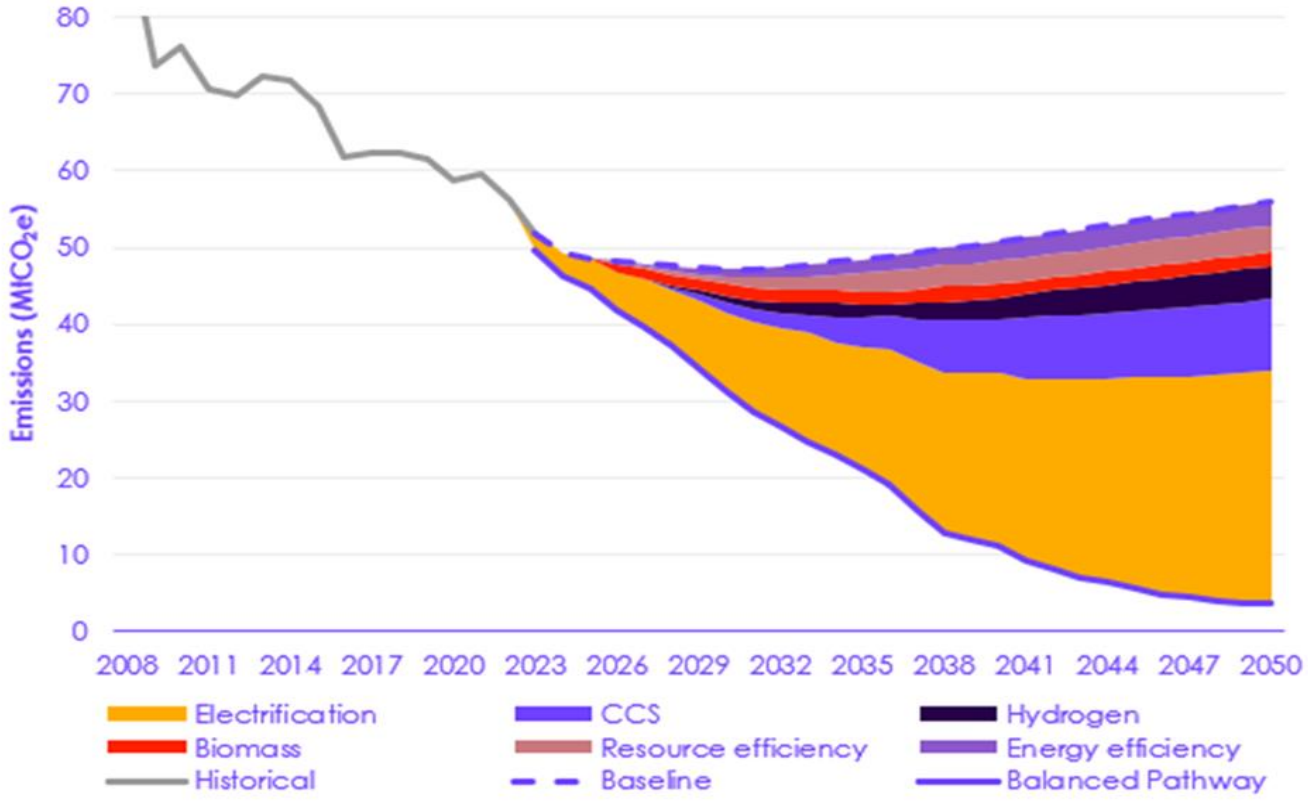
United Kingdom

Figure 7.3.2 Sources of abatement in the Balanced Pathway for industry



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Europe

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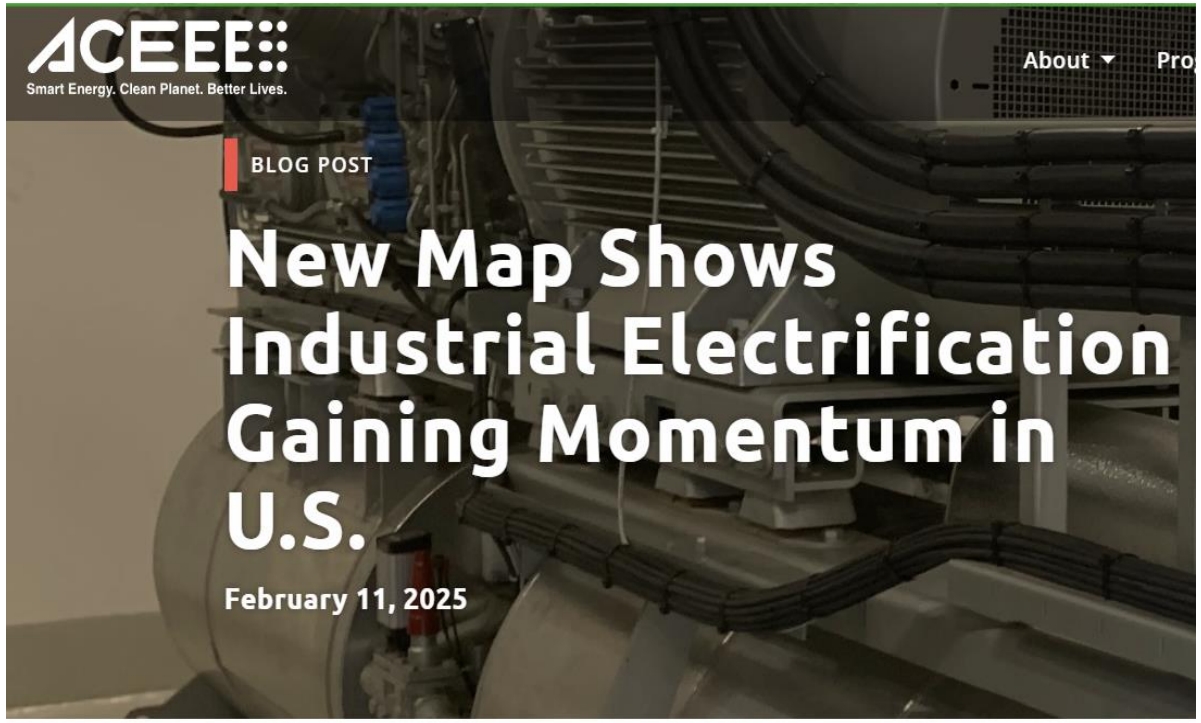
United States of America



Our new interactive map shows dozens of installed and planned industrial electrification projects in the United States, demonstrating growing momentum in sectors including food and beverage manufacturing, chemicals, and lumber.

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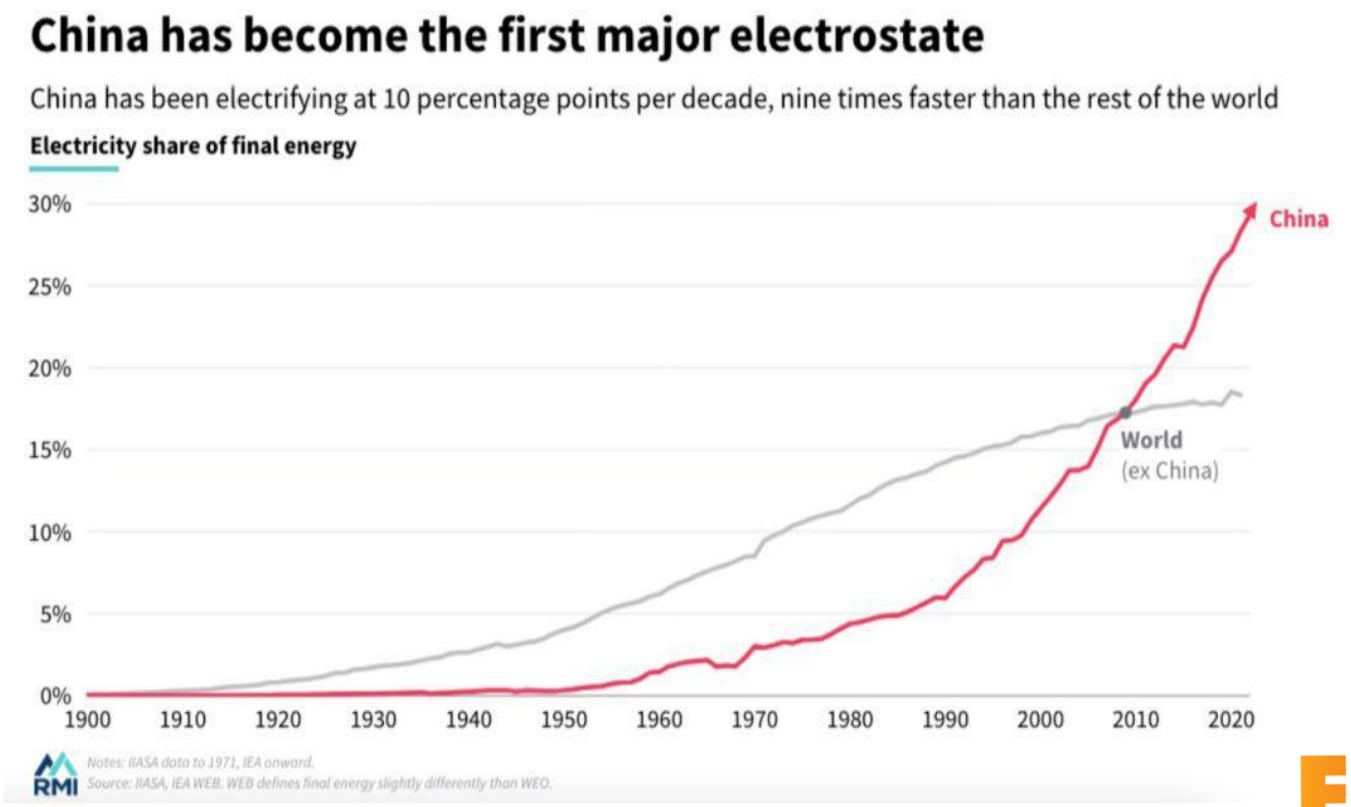
People’s Republic of China



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Key Facts

70% of UK companies believe that electrification is their route to modernisation, greater efficiencies and decarbonisation

€3tn on the table across Europe for electrification

Electrification technologies all available today

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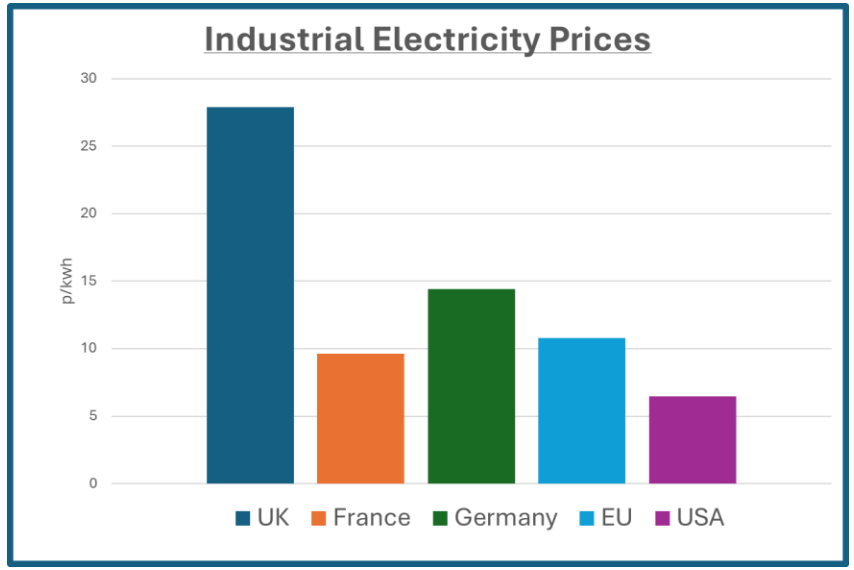
Key barriers

- **Price:** Highest electricity prices – this is not sustainable
- **Connections:** £3bn of demand side investment waiting in connection queues
- **Markets:** Not adequately designed for demand side actors



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Aims of Electrify Industry

- **Our Voice Heard:** Ensuring that we are at the top table
- **Price Reform:** Achieving significant cost reduction to industrial electrification
- **Connections for Demand:** Getting a quota for demand side connections and reform to the current energy bias regime
- **Fair Markets for I & C:** Making sure that markets are designed with commercial and industrial users able to benefit
- **Simplification of Support Mechanisms:** Decrease the complexity of the often-competing support mechanisms

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What's happened so far

- **Parliamentary Launch:** with leading figures from the sector and MPs recruited to take our message forward
- **Working with DESNZ on Pricing:** detailed workshops on the design of a future price reduction regime
- **Appointed to the NESO Advisory Committee on Market Design:** Working through markets to aim to deliver better arrangements for C&I
- **Communications with Sec of State:** Driving forward the message around price, connections and market design
- **Regular Meetings:** with officials in all departments including the Treasury

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Plans for the future

- **Increased Parliamentary activity**: Electrify Industry has an engagement plan that we are looking to maximise, if IDRIC would like to take part in some of that engagement, please let us know at electrifyindustry@makeuk.org
- Speaking at and attending industrial events
- Visiting examples of electrification projects
- Upcoming inaugural roundtable with energy and connection stakeholders
- Labour Party Conference panel discussion
- Press/Media comments following Industrial Strategy publication
- Meeting with Energy Minister
- Working with wider trade associations

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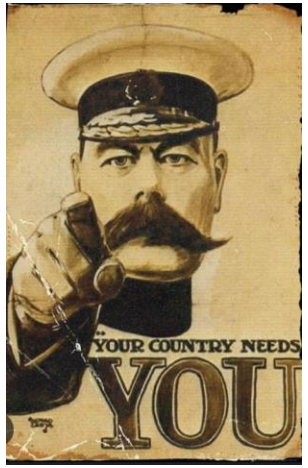
Working Together

- IDRIC and your research is key to supporting deep electrification
- Your networks and partnerships can help inform our work and drive forward the right policy measures
- Your research can further inform the wider debate



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