

THE UK'S ONGOING SUPPORT OF ENERGY SECTOR REFORM IN UKRAINE AND BRITAIN'S EXPERIENCE IN COAL SECTOR RESTRUCTURING



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First Secretary Energy Policy
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Dnipro 12 April 2018

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THE UK AND ENERGY SECURITY

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UK committed to supporting energy reform in Ukraine



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Transparent and competitive energy markets:
the best guarantors of Ukraine's energy security

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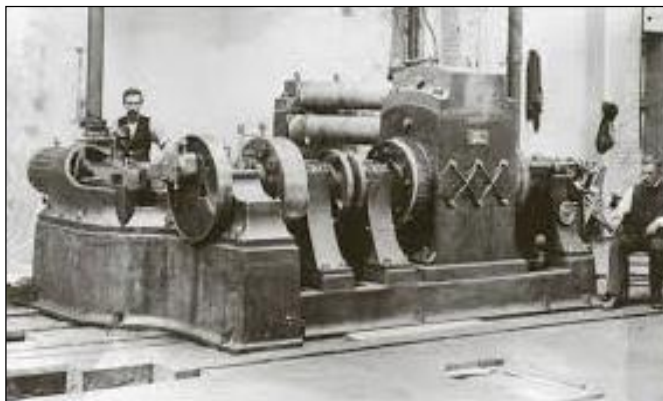
THE UK AND COAL

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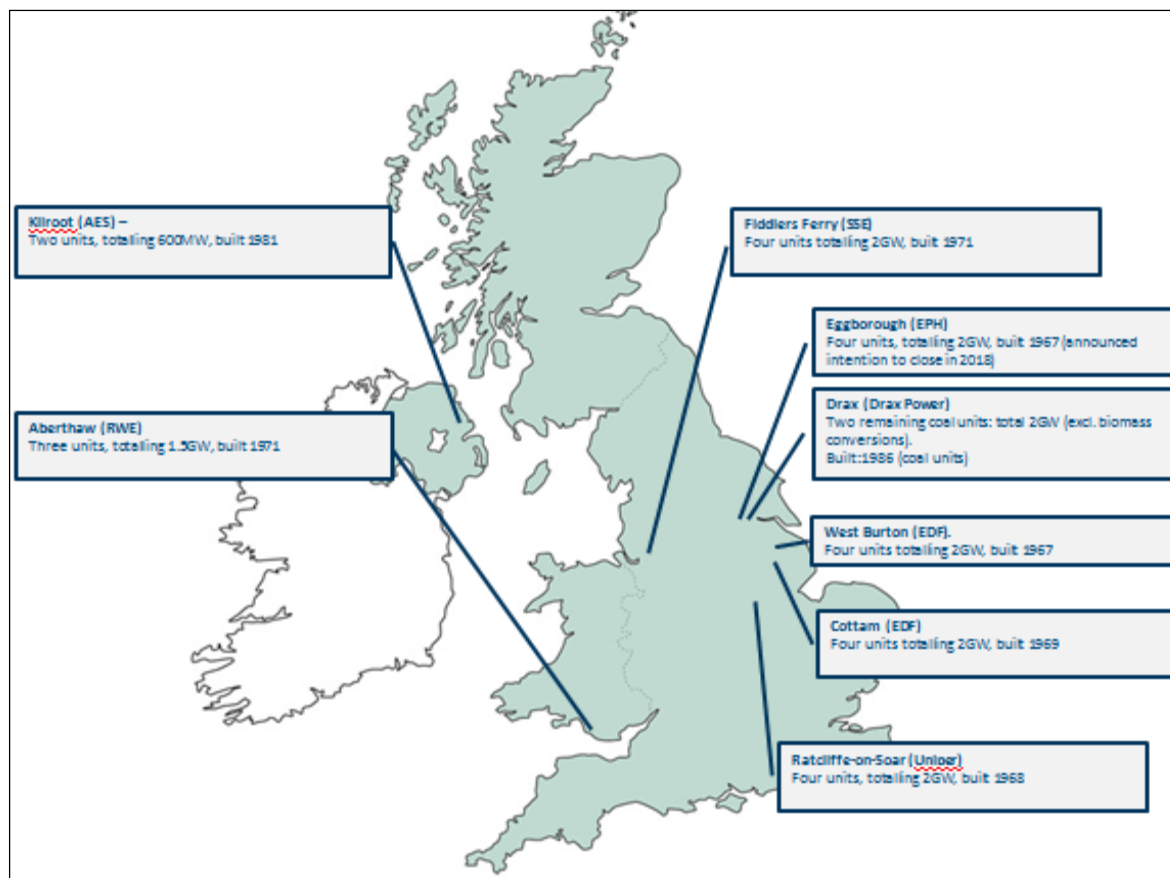
UK attachment to coal



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UK coal power stations in 2018

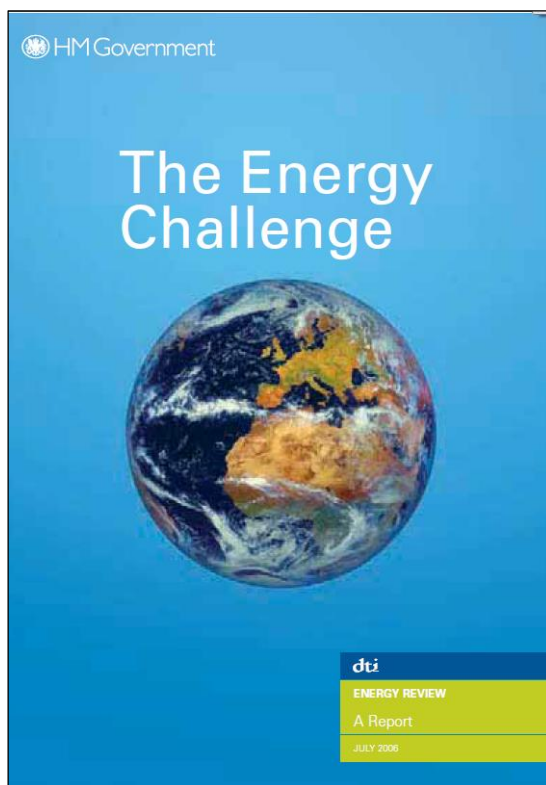




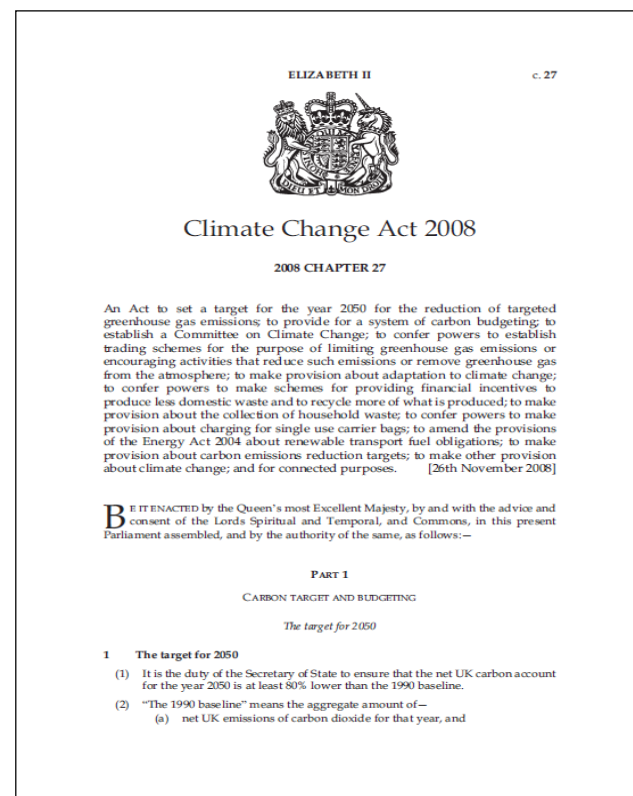
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Changing policy landscapes

2006



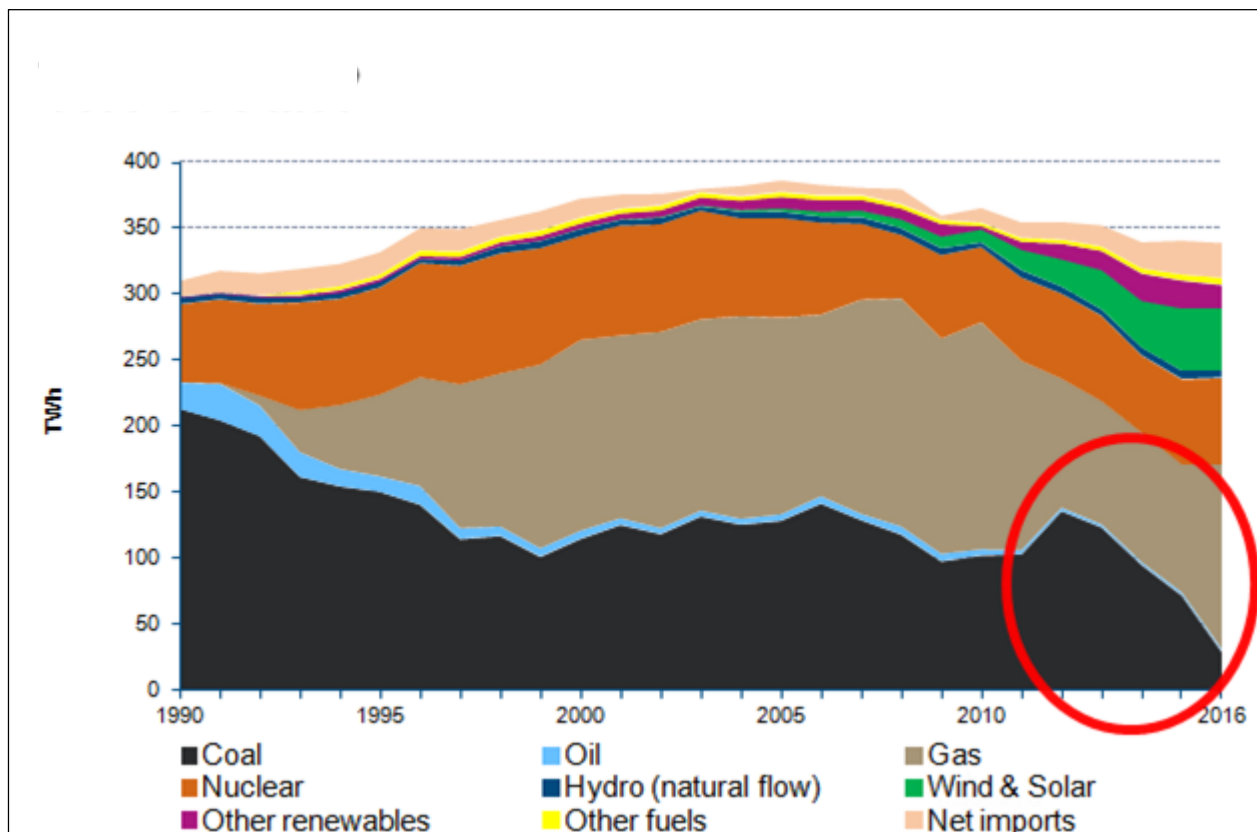
2008



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Power generation in the UK



2015: renewables outperform coal for the first time



Milestone date for UK

April 2017: first 24 hour period without coal generated power

The image is a collage of news articles and a tweet. On the left, a news article from 'THE INDEPENDENT' has the headline 'British power generation achieves first ever coal-free day'. The text below reads: 'National Grid holds milestones as other sources like gas, nuclear, wind and solar allow UK to keep lights on with all coal-fired powerplants offline'. Below the text is a photograph of several large industrial cooling towers. In the center, a tweet from 'NG Control Room @NGControlRoom' is highlighted with a blue border. The tweet text says: 'It looks likely that today will be the first ever working day in Britain without #coal since the industrial revolution! 7:55 AM - Apr 21, 2017'. The tweet has 37 replies, 1,957 retweets, and 1,423 likes. On the right, another news article from 'The Telegraph' has the headline 'Britain goes without coal for the first time 'since Industrial Revolution''. Below the headline is a photograph of cooling towers. At the bottom left of the collage, there is a line graph showing power generation levels over time, with a peak in the middle of the day. At the bottom center, there is a small blue rectangular graphic.



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The UK Capacity Market



Auctions incentivise investment in sustainable, low-carbon electricity capacity and help secure electricity supplies

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WORKING WITH GLOBAL PARTNERS

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The Powering Past Coal Alliance

Commitment to support the phasing out of unabated coal power within the timeframe of the Paris Agreement



The UK and Canada have launched the “Powering Past Coal Alliance” at COP23 in Bonn. The coalition unites a number of governments, businesses and organisations, which aim to lead the action in tackling climate change by committing to phase out unabated coal power. The alliance includes 19 countries as well as several Canadian provinces and US states (see note below), but the group strives to grow to include 50 countries by COP24 next year. That way, the coalition intends to keep momentum for ambitious climate mitigation, a healthy environment and a clean economy.

Powering Past Coal Alliance Membership Blows Out Past 50

Twitter

Google+

LinkedIn

Pinterest

December 13th, 2017 by [Joshua S Hill](#)

The Powering Past Coal Alliance, launched only last month by the UK and Canada at COP23, has seen its membership blow out past 50 countries, regions, and businesses, according to news revealed at the One Planet Summit held in France on Tuesday.

Among a raft of announcements from the One Planet Summit held in France on Tuesday, the UK and Canada announced that membership to their Powering Past Coal Alliance — which was only **launched last month** at COP23 in Bonn, Germany — has now blown past 50 countries, regions, and businesses, including the State of California, Sweden, New Zealand, Italy, and France, as well as high-profile corporations such as Unilever, Virgin Group, and EDF.





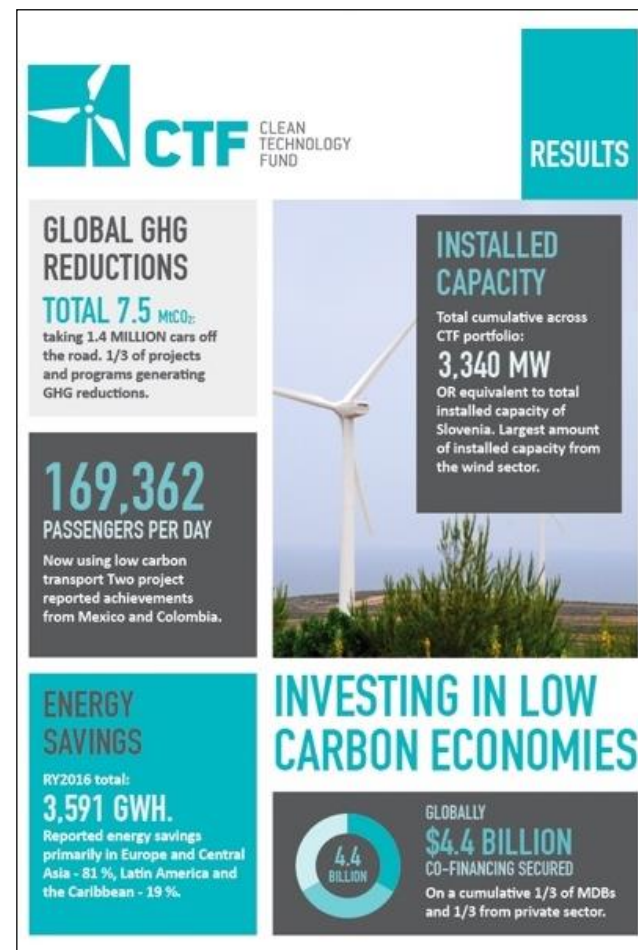
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Clean Technology Fund

\$5.6 billion fund to provide middle income countries with resources to scale up low carbon technologies

- ❖ renewables
- ❖ energy efficiency
- ❖ sustainable transport

e.g. in partnership with EBRD supporting new 36MW solar plant in western Ukraine



Green Climate Fund



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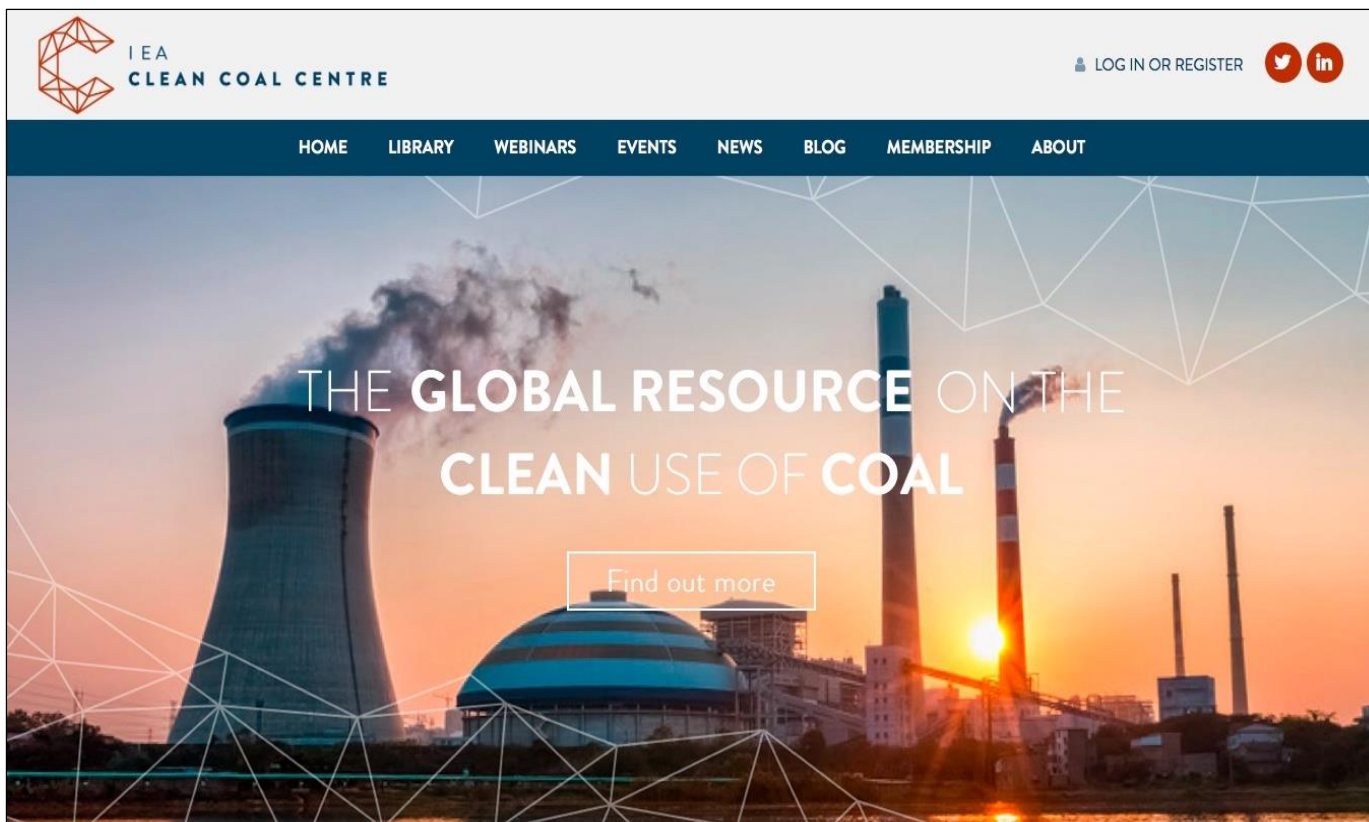
GCF Signs Agreement with the International Solar Alliance

Energy efficiency and renewable energy projects with a strong focus on leveraging private finance and multilateral development banks



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IEA Clean Coal Centre

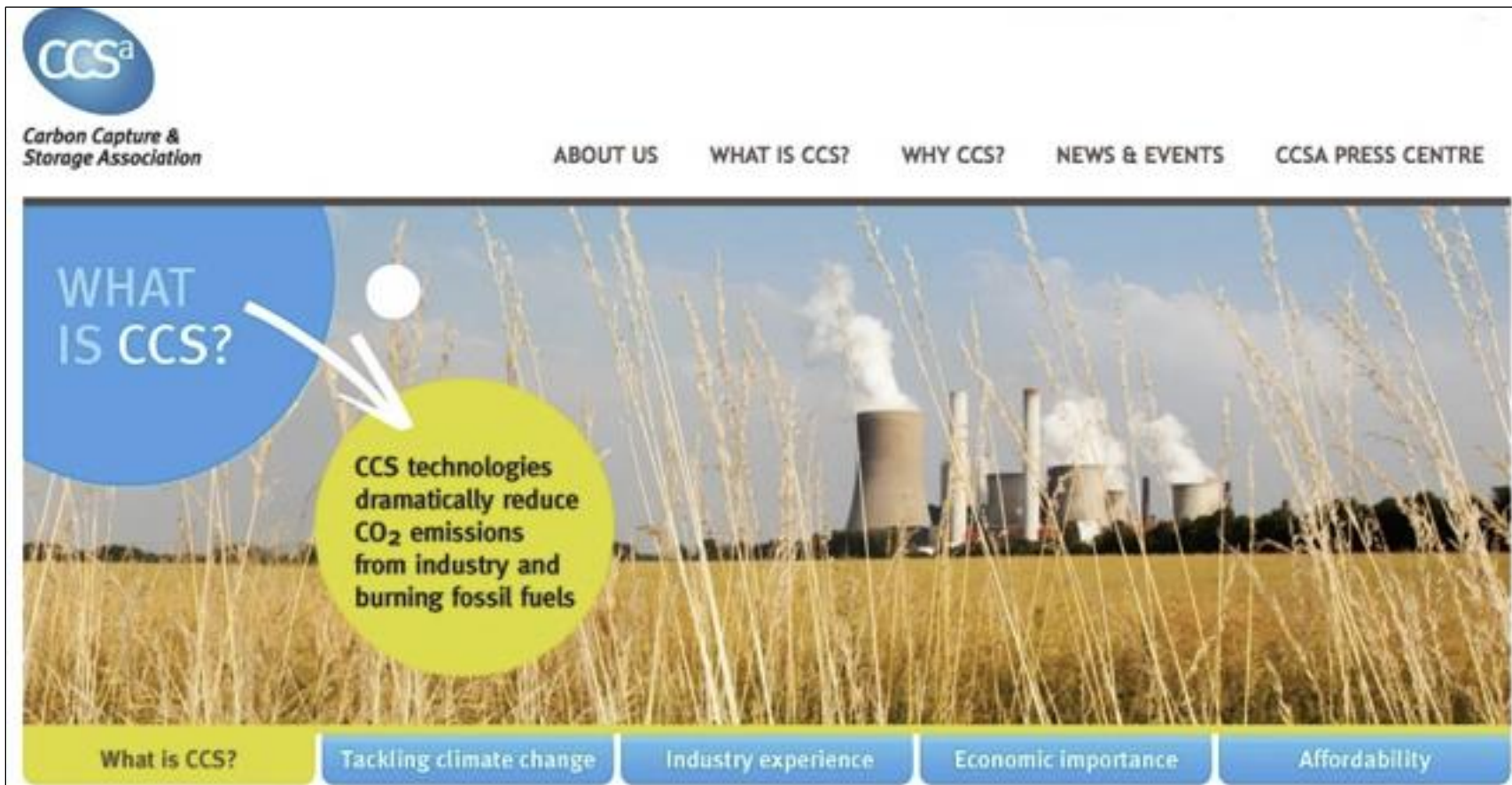


Research into advanced coal technology and environmental problems associated with coal fired power stations



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Carbon Capture & Storage Association



The image shows a screenshot of the Carbon Capture & Storage Association (CCSA) website. At the top left is the CCSA logo, a blue circle with 'CCS^a' in white. Below it, the text 'Carbon Capture & Storage Association' is written. To the right is a navigation menu with links: 'ABOUT US', 'WHAT IS CCS?', 'WHY CCS?', 'NEWS & EVENTS', and 'CCSA PRESS CENTRE'. The main content area features a large background image of a field of tall grass in the foreground and an industrial power plant with several cooling towers emitting white steam in the background. On the left side of this image, there is a blue circular graphic with the text 'WHAT IS CCS?' in white. A white arrow points from this graphic to a yellow circular graphic in the center of the image. Inside the yellow circle, the text reads: 'CCS technologies dramatically reduce CO₂ emissions from industry and burning fossil fuels'. At the bottom of the page, there is a horizontal navigation bar with five buttons: 'What is CCS?' (yellow), 'Tackling climate change' (blue), 'Industry experience' (blue), 'Economic importance' (blue), and 'Affordability' (blue).

www.ccsassociation.org/

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The mining lifecycle – UK capability



Establishing a climate for mining

UK companies and organisations have the expertise and experience to develop and create all the factors that promote a mutually constructive, welcoming and profitable climate for the development and management of mining operations – and beyond.

- Accessing finance
- Creating a policy and governance framework
- Creating a balanced economy
- Social, economic and environmental assessment and planning
- Stakeholder relations and management
- Learning and knowledge transfer
- International best practice

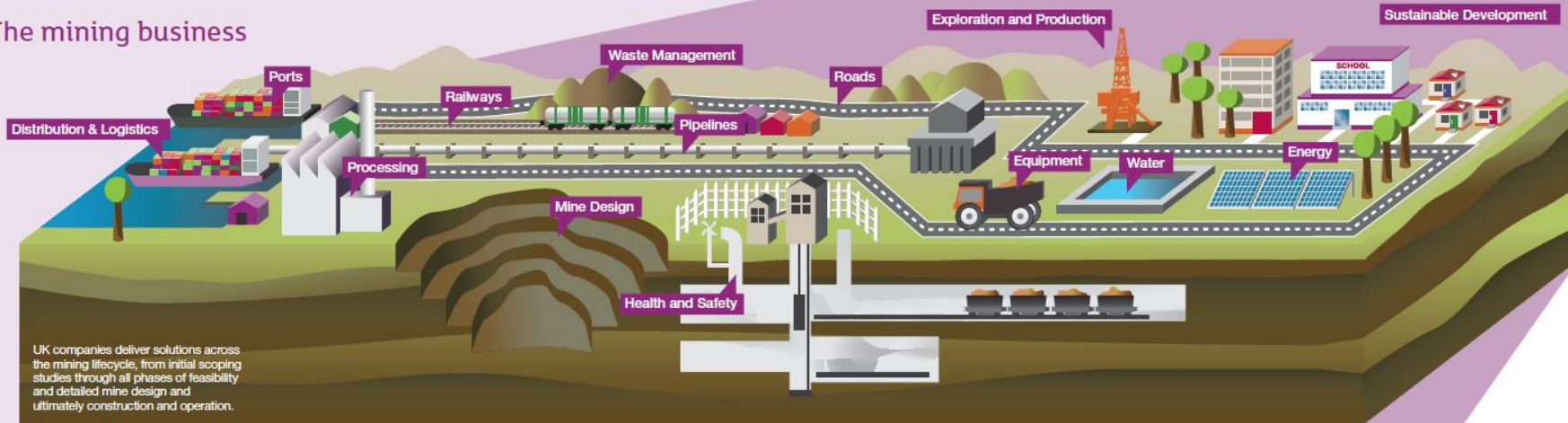


Economic Development



Closure

The mining business



Monitoring and Testing



Feasibility & Development



Managing risks and driving efficiencies

The UK provide support services that enable mine owners to mitigate and manage risk alongside maximising returns. E.g.

- Professional services
- Risk management and insurance
- Plant management and operational efficiency
- Commodities and financial market exchanges
- Research and development
- Skills and education



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THANK YOU

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