

Whole system & data driven

Flexible & adaptable

Britain's clean power mission is now underway..

Accelerated & efficient

Improved collaboration & enhanced coordination

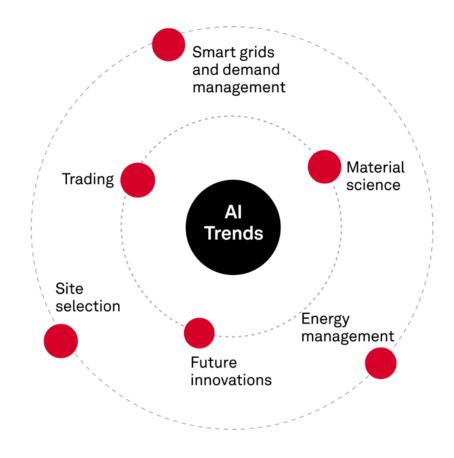
Pioneering & first of its kind



Advice on achieving clean power for Great Britain by 2030

"Accelerated AI adoption and transformative innovation need to be prioritised to align with the government's plan for clean power by 2030.."







Removing roadblocks

Focus Area1 Planning & consenting for new energy infrastructure

Focus Area2 Networks & connections

Focus Area 3 Renewable & nuclear project delivery

Focus Area4 Reforms to electricity markets

Focus Area5 Short-duration flexibility

Focus Area6 Long-duration flexibility

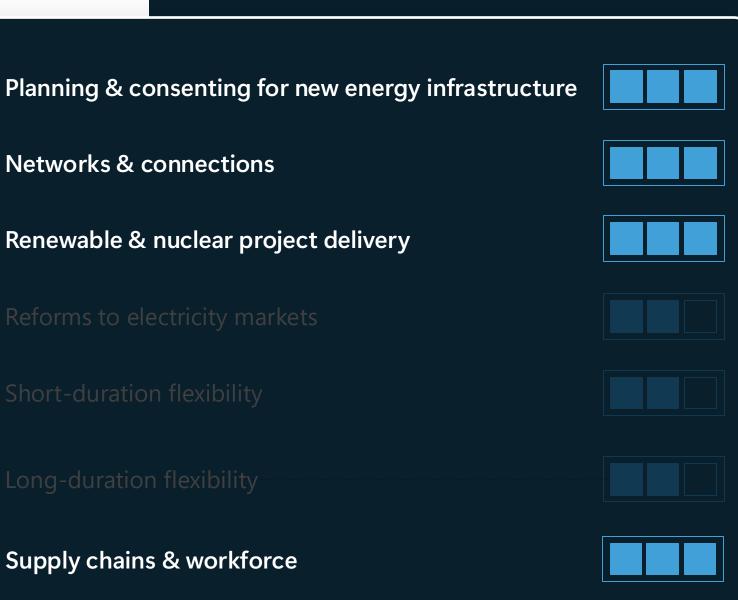
Focus Area7 Supply chains & workforce





Focus Area2 Networks & connections

Focus Area1





Robust public and community engagement

Gen-AI for stakeholder engagement; AI enabled stakeholder and sentiment analysis

Planning & consenting for new energy infrastructure



Enhanced data driven consenting

Ecological Digital Twins; Long range climate modelling and site selection (Planetary computer)



Accelerated permitting

Gen-AI for clean energy permitting and regulatory review; AI enabled multi-vector spatial and temporal planning



Improved connections and queue management

Gen-AI for Connections queue management (Connections copilot); Network digital twins and medium-long range requirements modelling





Accelerating grid asset build and delivery

Gen-AI for project and portfolio management; Digital Twins for build, design and operations optimisation



Comprehensive system level modelling

Sector open data platforms; Whole system Digital Twins (SSEP); Advanced weather / generation forecasting and multi-asset orchestration; Intelligent customer flex

Renewable & nuclear project delivery



Data driven capital and investment decisions

Al powered investment modelling and decision support;

Generation forecasting and site selection



Enhanced engineering and accelerated delivery

AI-based automated design and engineering; Engineering

Digital twins; Digital construction and completions



Disciplined project and cost management
Gen-AI for project and portfolio management; AI driven
forecasting and project controls; Intelligent Project Data
Environment



Robust supply chain management

Advanced long range supply chain forecasting and debottlenecking; Supply chain visibility and project / portfolio management

Supply chains & workforce



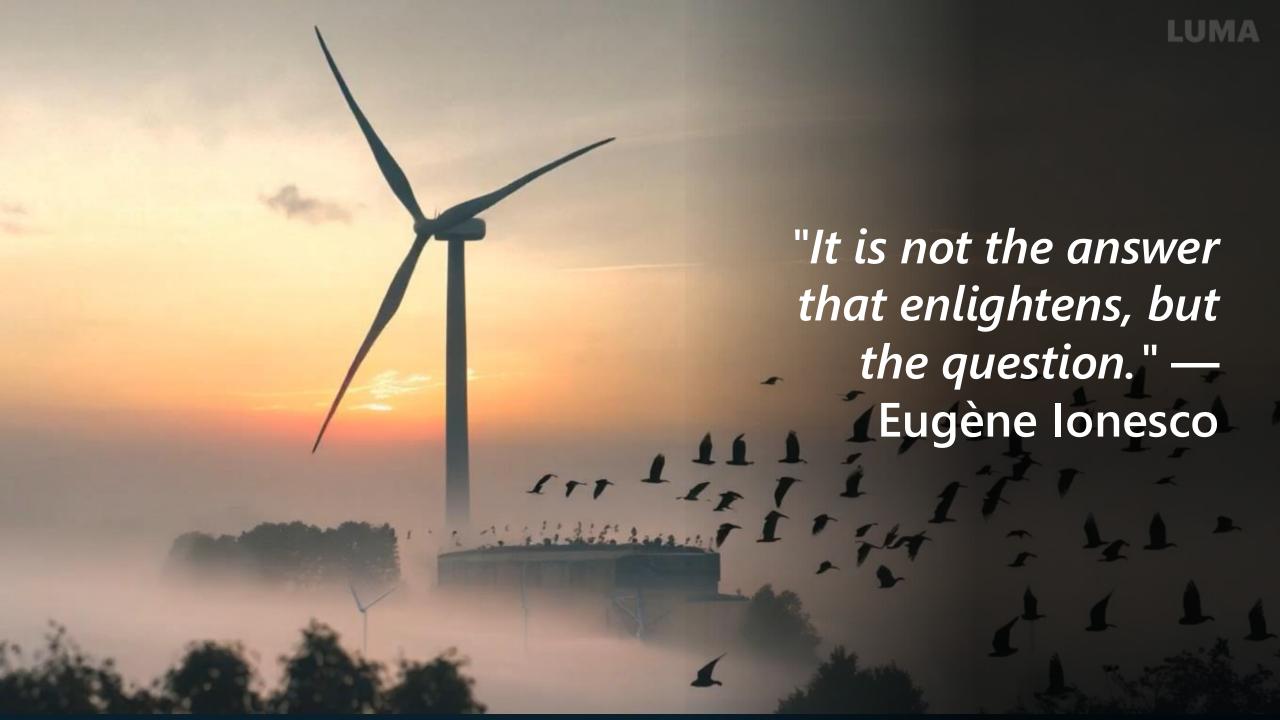
Empowering the workforce of the future

Gen AI in knowledge retention and management; AI powered spanner to code learning and certification programmes



Driving domestic economy and growth

Sector and region development modelling and action planning; National and regional economic development





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