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Rolls-Royce SMR Clean, Affordable Energy for all

Foundation for Science & Technology New Nuclear & the UK Energy Strategy 15th June 2022

SECURITY CLASSIFICATION - Rolls-Royce SMR Data - Public - Not Listed



Our development programme is fully funded with £495m through commercial equity and UK Government grant funding

Rolls-Royce SMR Ltd Shareholders



Rolls-Royce Group 60 years designing, manufacturing, supporting and operating nuclear technology



Constellation Energy

Operates the largest U.S. fleet of zero-carbon nuclear plants with over 18.7GW from 21 reactors at 12 facilities



BNF Resources UK Ltd

Extensive investments in the energy space and represented and advised by BNF Capital Limited, an FCA regulated UK-based investment advisory



Qatar Investment Authority

Invests in the energy transition and funds technologies that enable low carbon electricity generation

UK Government Grant Funding





UK department of Business Energy and Industrial Strategy Rolls-Royce SMR Ltd received the Low-cost nuclear (LCN) grant award by UK Research and Investment (UKRI)



There are many solutions to decarbonize

But most need clean electricity

At a vast scale...







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Rolls-Royce SMR is a new way of building nuclear to meet the needs of Net Zero & support Energy Security



* 2021 economics, fleet unit; costs based on UK labour rates ** 2021 economics, 2 unit plant, range dependent on financing mechanism

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Rolls-Royce SMR is a factory fabricated product Modularisation of the whole power station, not just the nuclear island





Standard Kit of Parts / Modular Architecture Development

Module kit of parts categories:

- Vertical and Horizontal MEP Modules
- Vertical and Horizontal Tank Modules
- Personnel Access
- Pipe Cable and Utility Routing
- Shielding and Segregation
- Structural Module
- EC&I Modules







All based on a standard reference grid system









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SMR A Low-Carbon Integrated Technology and Industrial Offering optimizing Group level Capabilities and Scalable to Regional Demand and Applications



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