



Rolls-Royce SMR

Clean, Affordable Energy for all

Nuclear Energy Ecosystems – Open Business Day

Rolls-Royce SMR Update 3 May 2022

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SMR

Rolls-Royce SMR Ltd is a technology vendor offering a complete SMR power plant on a turnkey basis.

Our development programme is fully funded with €559m* 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 Corp. (previously Exelon Generation Ltd)

Operates the largest U.S. fleet of zero-carbon nuclear plants with over 17.8 GW 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)



SMR

Rolls-Royce SMR is a totally new way of building nuclear to meet **Net Zero** needs

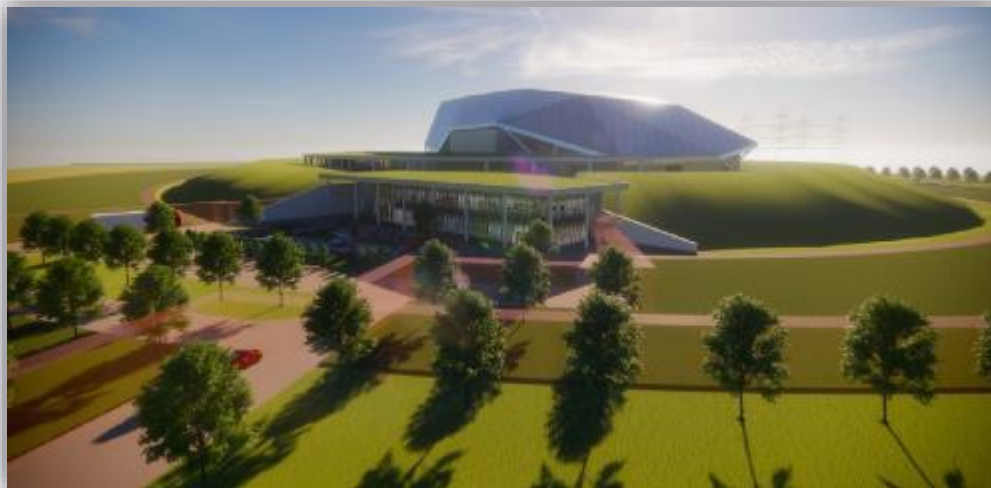
~470 MWe net output

50 Hz design

Proven PWR Technology & Standard Fuel

Power station turnkey delivery

4 yr on-site Construction (Fleet unit)



Enhanced safety and security

1st unit on grid early 2030s

Capital cost under €2.3bn*

Adaptable, multi-use power & heat output

LCOE range €39-€56 per MWh**



SMR Turning nuclear into a product not a one-off mega infrastructure project

✗ EPC (mega project)

Conventional EPC (e.g. Large nuclear)

- Mega project GBP10bn+
- Reactor only, *not* whole plant
- Government driven
- Commercially complex



Designed for market requirements



Factory Product



Standardization



Schedule certainty



Commercial simplification



✓ EMA (factory product)

Engineering
Manufacturing
Assembly

- Much lower risk
- Reduced Capital
- Shorter Time to Build

= Reduced financing cost

Reducing Project Risk

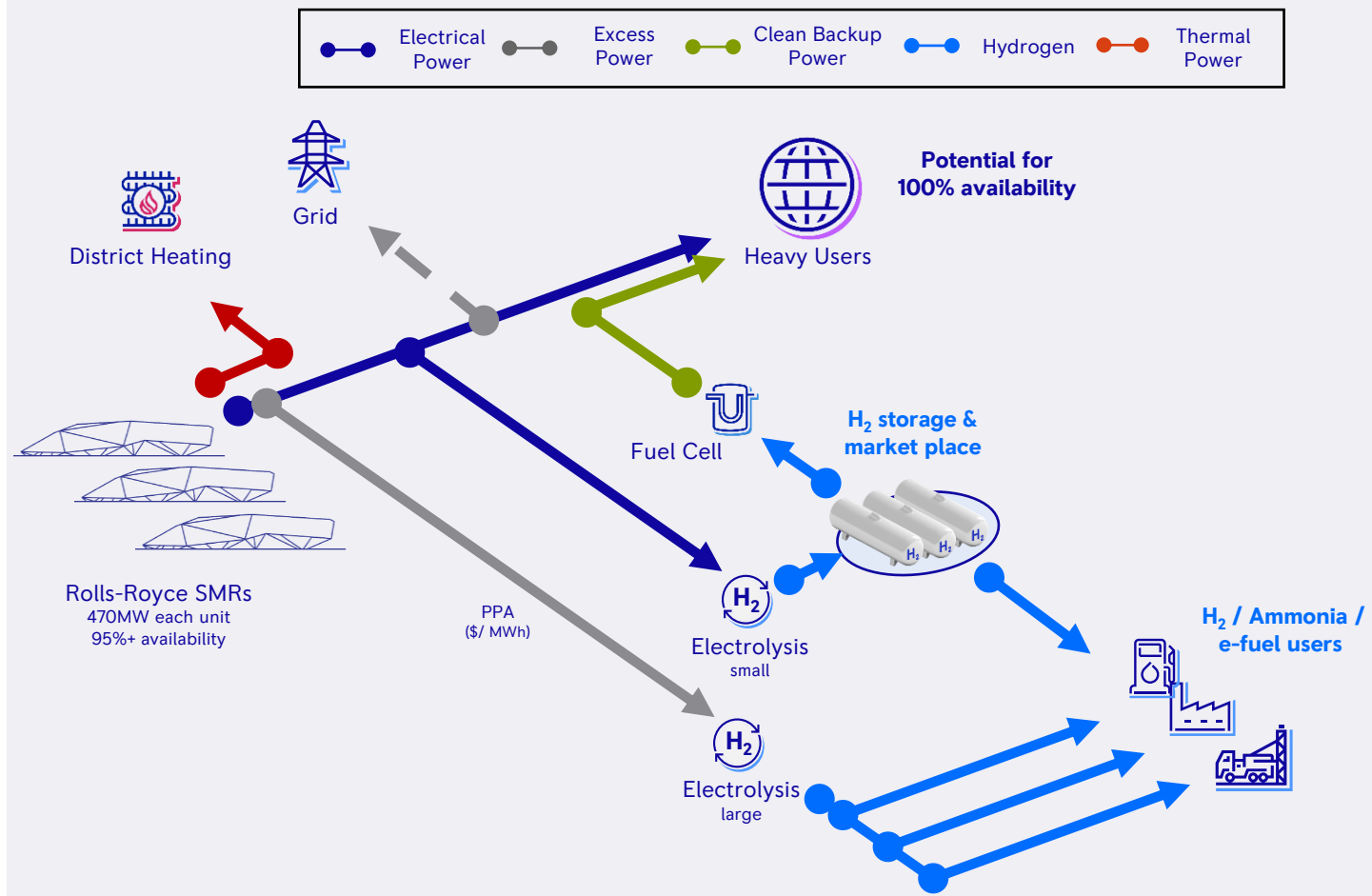


Energy Park

Rolls-Royce SMR's small footprint allows co-location: clean energy located with the industry that needs it

A magnet for industry and high skilled jobs desiring carbon free energy

Removes the need for costly transmission of electrical power over large distances





SMR Our focus is now on preparing for delivery of the fleet



Complete Design & Regulatory Approval

UK Generic Design Assessment

IAEA Generic Reactor Safety Review

V&V programme

Build the Business

Global deployment
Scalable supply chain
Regional hubs
Turnkey delivery
Flexibility for new markets

Engage with our Customers:

Governments and State Utilities – Grid

Heavy Industry – Power & Heat

Hydrogen & Synth fuel – Transport

Prepare for Manufacturing:

Consultation for initial factory sites

Engaging/Contracting with suppliers for complete power station

Create the framework to realise projects faster:

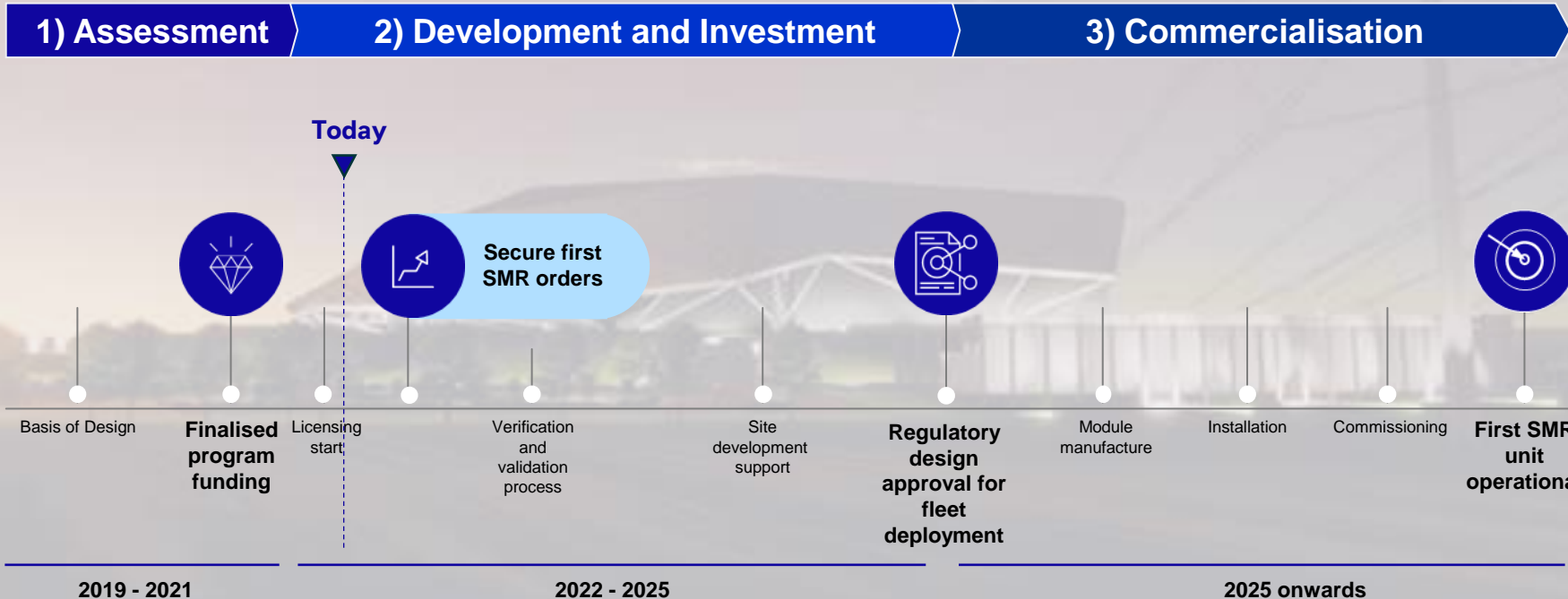
Bringing together:
Technology
Site
Finance
Operator
Offtake Arrangement
Licencing

Embedding a culture fit to deliver low carbon power for all



SMR

SMR Program - Timeline and Key Milestones





SMR

Thank you

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