ROLLS-ROYCE SMR PROGRAMME

9TH DECEMBER 2025

Clean, affordable energy for all

ROLLS-ROYCE'S NUCLEAR HERITAGE

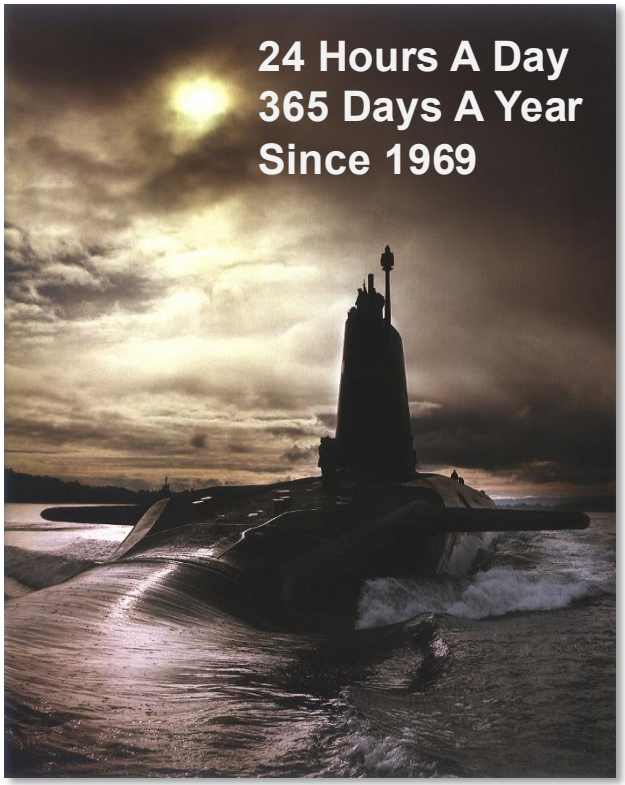
ROLLS ROYCE SMR

We design, manufacture and support through operation the Royal Navy's fleet of nuclear submarines, and have done so for over 65 years

Rolls-Royce has proudly provided nuclear reactors for all classes of the Royal Navy's Submarine fleet since 1958, and supported the Continuous at Sea Deterrence (CASD) since 1969

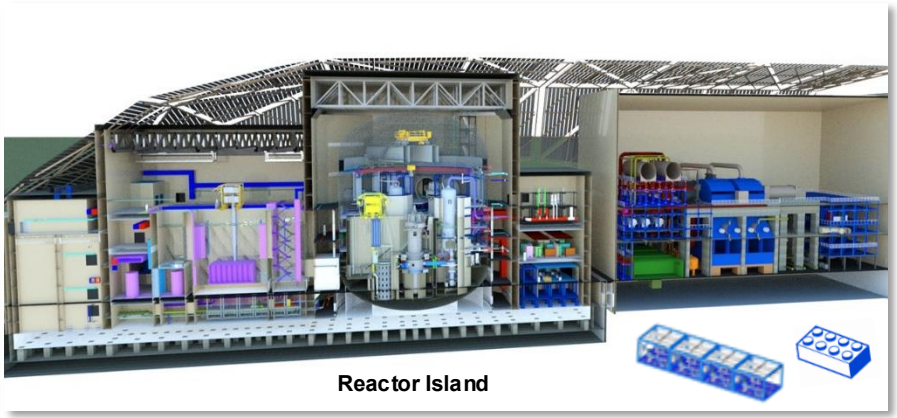
We have manufactured and delivered over 90 reactor cores across 30 different plant designs

Our plants have clocked up almost 2.5 million hours of critical operation.



WORLD LEADING WHOLE POWER PLANT SOLUTION

Standardised and repeatable globally

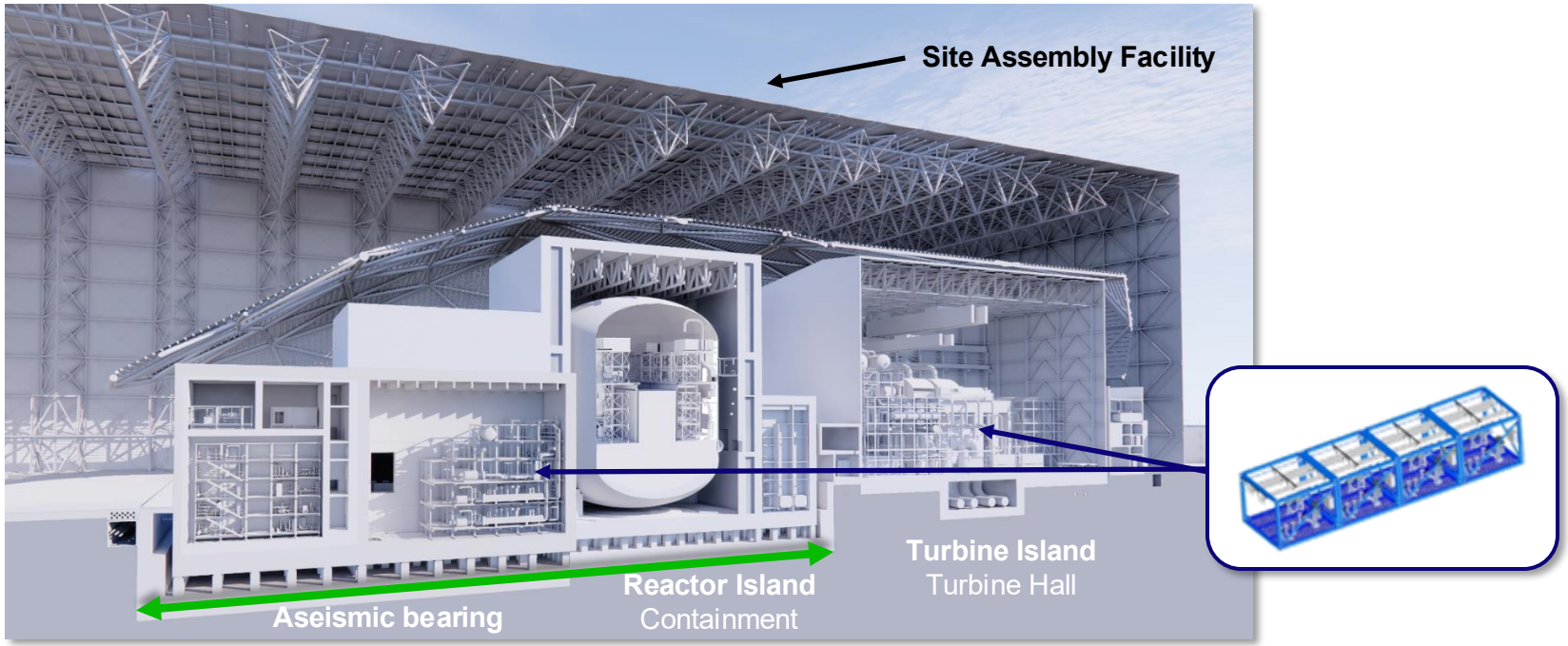


Rolls-Royce SMR is a complete power solution, deliverable where power is needed, when it is needed, with true full-plant modularisation

Proven Pressurized Water Reactor (75% world fleet today)	470 MWe power output (1,358MWth)	Levelized Cost of Electricity (LCOE) £50 - 70 / MWh (2025 economics)	60-year life powering 1,000,000 homes	Total Plant footprint ~22 acres (5.6-acre structure)	Most progressed through regulatory licensing	Factory module standardised manufacture, 4-year onsite build

A WHOLE POWER PLANT APPROACH

Focused on standardization, repeatability, commoditization where allowable

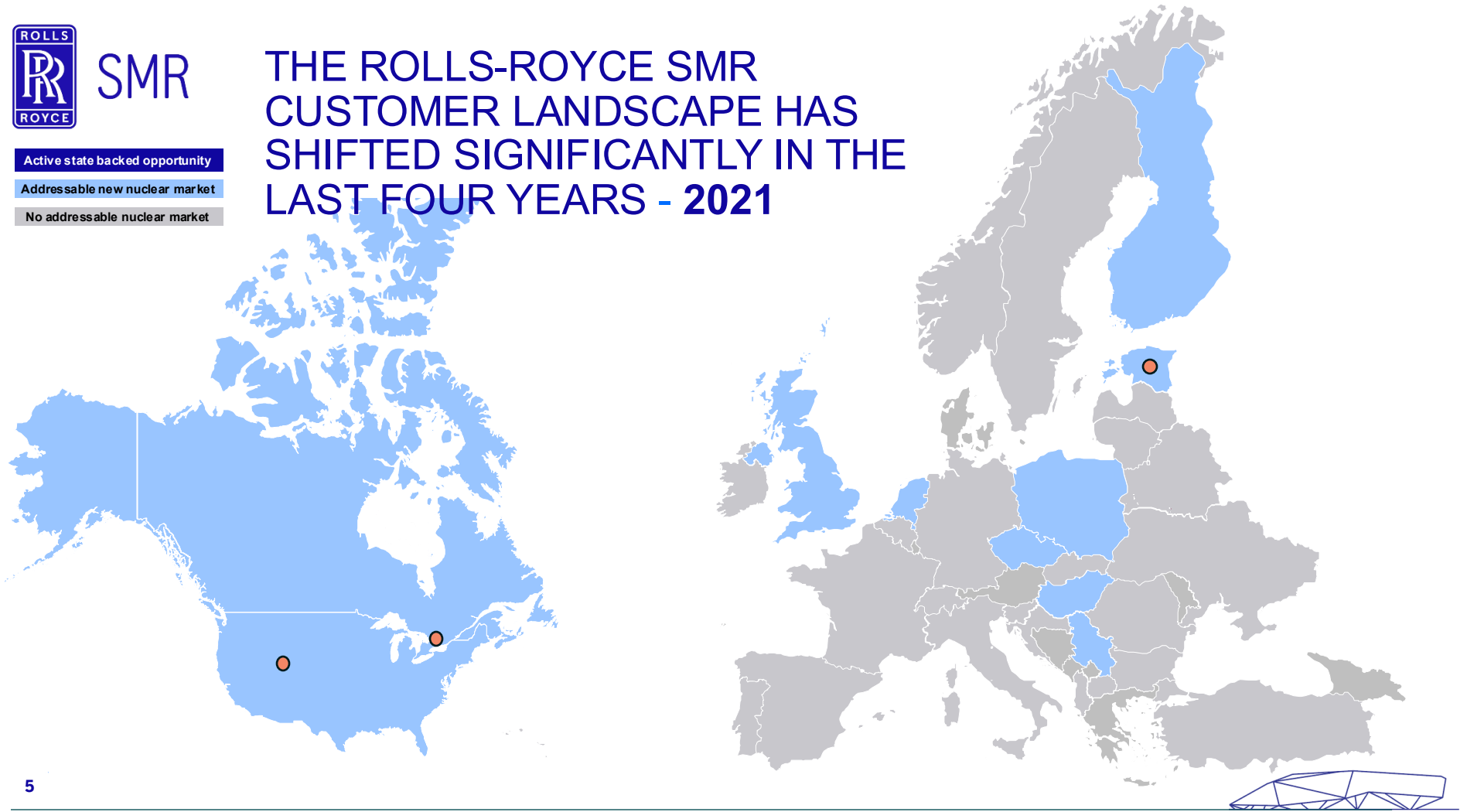


THE ROLLS-ROYCE SMR CUSTOMER LANDSCAPE HAS SHIFTED SIGNIFICANTLY IN THE LAST FOUR YEARS - **2021**

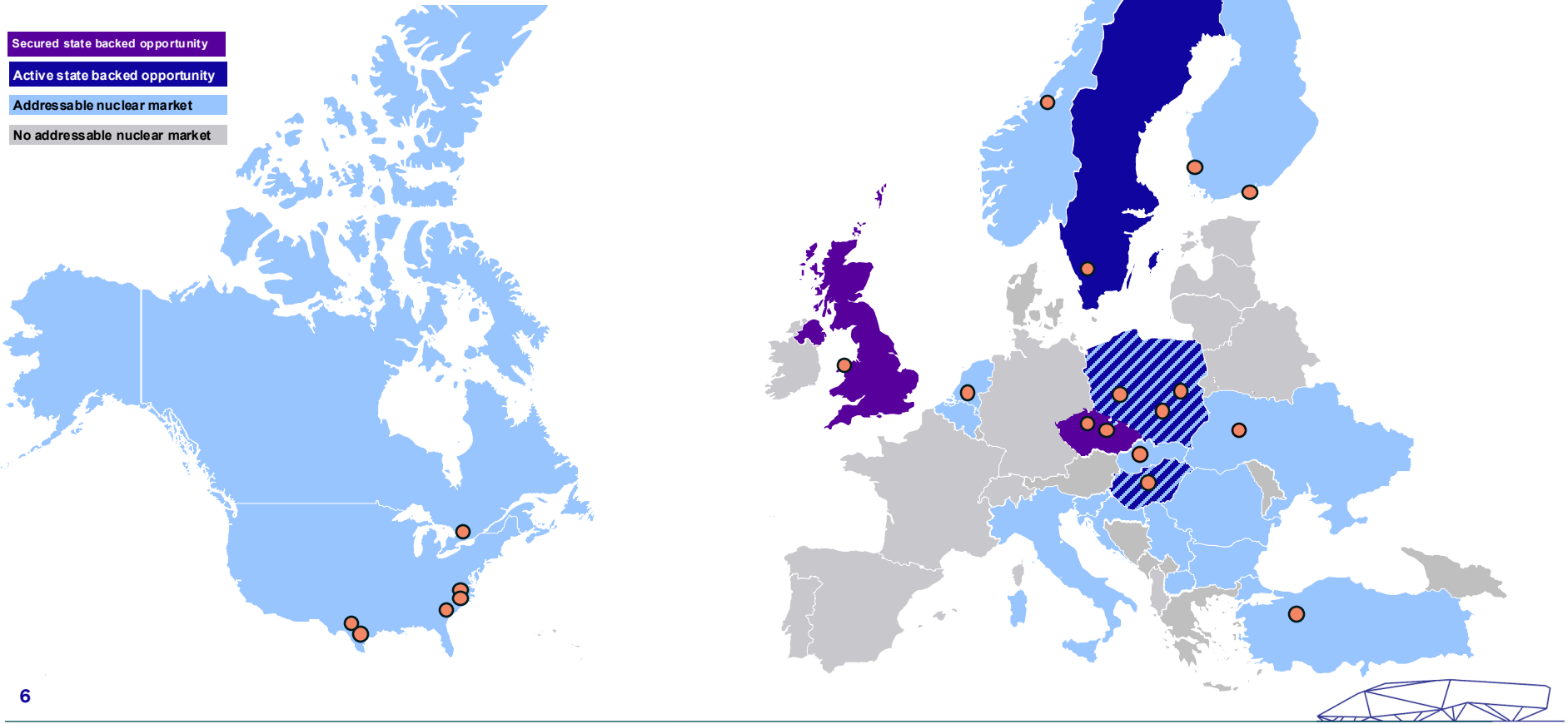
Active state backed opportunity

Addressable new nuclear market

No addressable nuclear market



OUR CUSTOMER LANDSCAPE – **TODAY**



ROLLS-ROYCE SMR USE CASES

The plant can provide competitive clean base load electricity and thermal power for industrial applications

Baseload Power

Grid Electrical Power

Private-wire 100% Utilisation

Thermal Power

Industrial Heating

Residential Heating

Industrial Power

Hydrogen Production

Sustainable Fuel Production

Ammonia Production

Desalination

- Secure, dependable power at the heart of the energy transition

NUCLEAR POLICY & INDUSTRY INSIGHTS

- Clear and consistent government policy
- Managing project risk
  - Site development
  - Cost over-runs
  - Offtake fluctuation
- Supply chain development
- Workforce capability