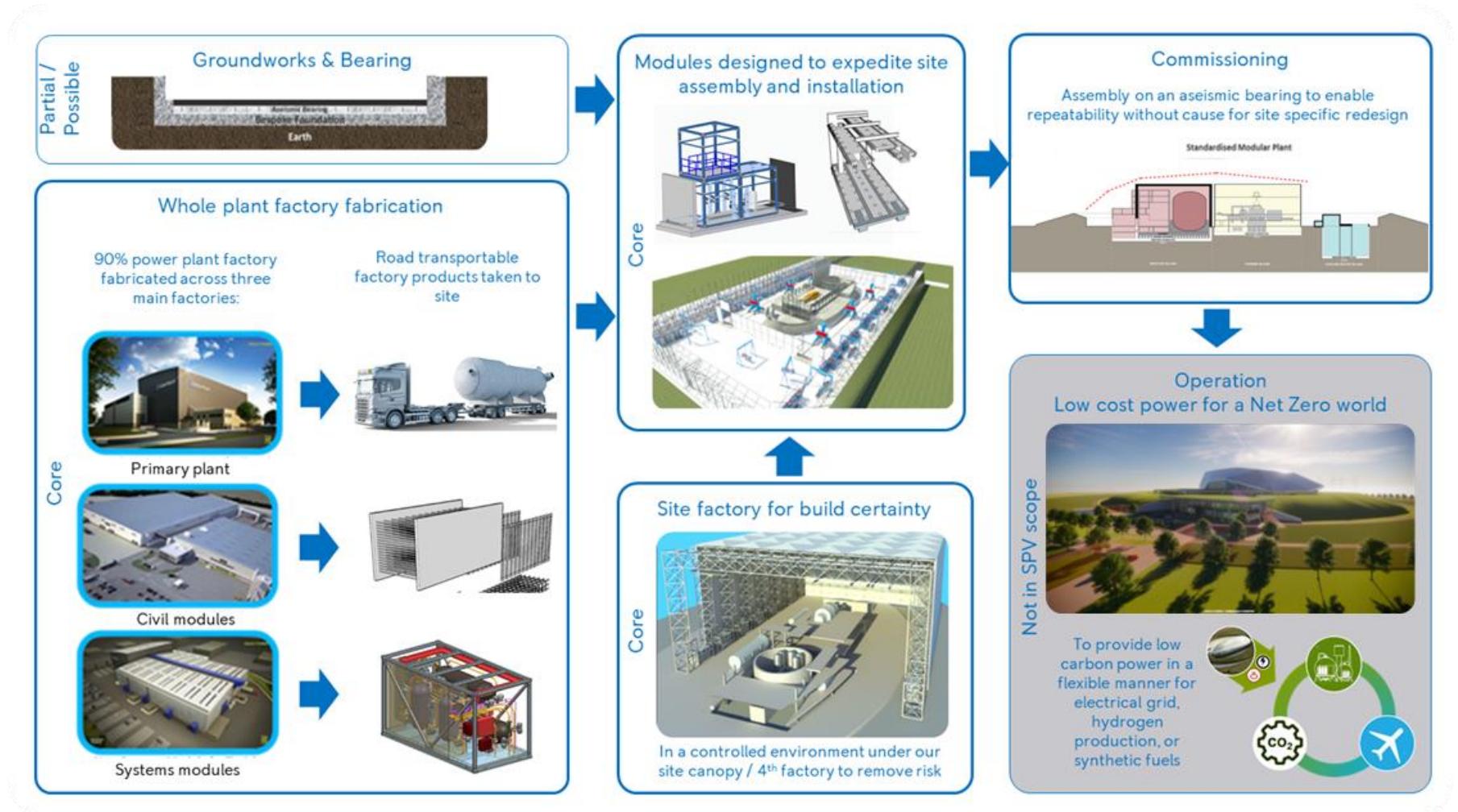




Rolls-Royce SMR

Reliable, affordable and investable low carbon power to meet the Net Zero Challenge

The Rolls-Royce SMR is a revolutionary nuclear product; factory fabricated, road transported and site assembled. The RR SMR approach is a holistic, integrated power station and *not* just a nuclear reactor design.



Key Features

- ~470 MWe output, 50Hz design
- Proven PWR technology and standard fuel
- Four-year construction duration for fleet units
- Enhanced Gen III+ levels of safety and security

- First unit on grid early 2030s
- Capital cost under £1.8 Bn¹
- Delivers baseload electricity at LCOE £35-£50 per MWh²

Strategically Supported by the UK Government

- £18m HMG funding in 2019 for Phase 1 design programme
- £210m awarded in 2020 to support phase 2 from 2021 onwards
- Further HMG funding will be invested in developing the SMR specific regulatory framework and bringing the technology to market.
- Entering UK Generic Design Assessment licencing process in 2021

World Class Experience

RR and our Industrial Partners comprise world class nuclear and manufacturing expertise and a track record of delivering complex engineering and infrastructure projects. This includes RR's 60+ years experience powering the UK Royal Navy nuclear submarine fleet and as the operator of 3 UK nuclear licenced sites for plant manufacture and test.

