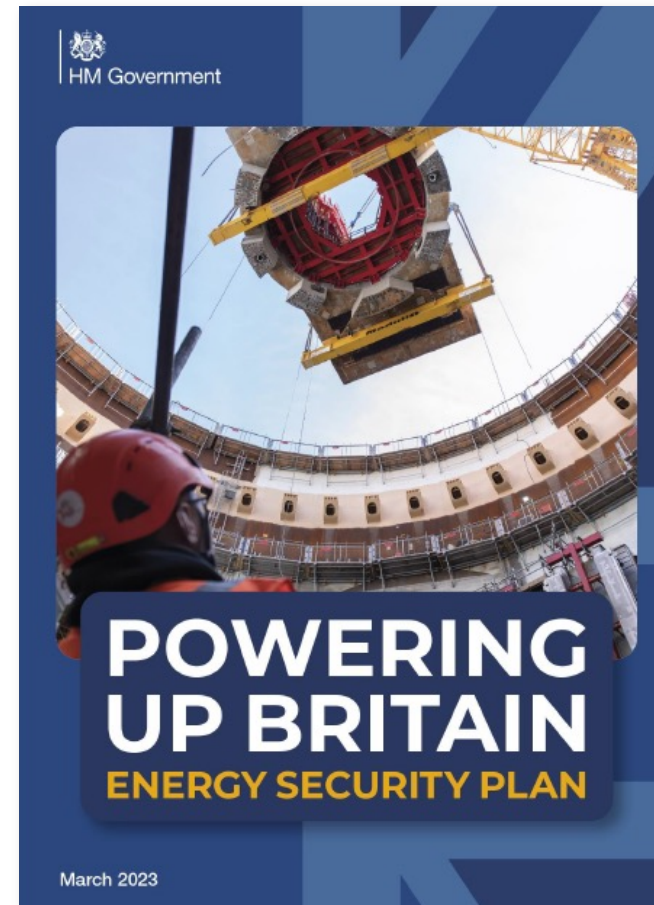
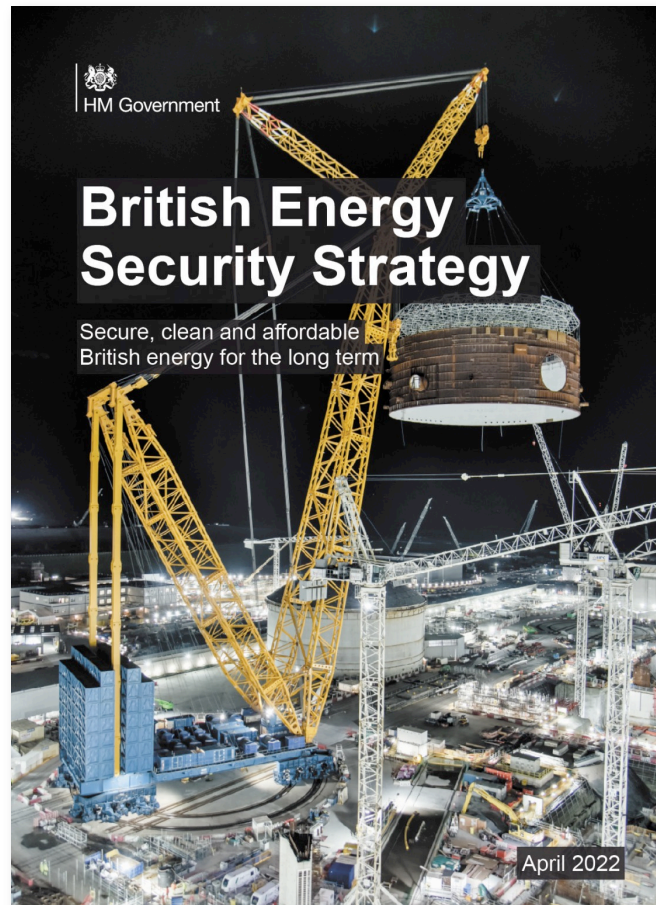


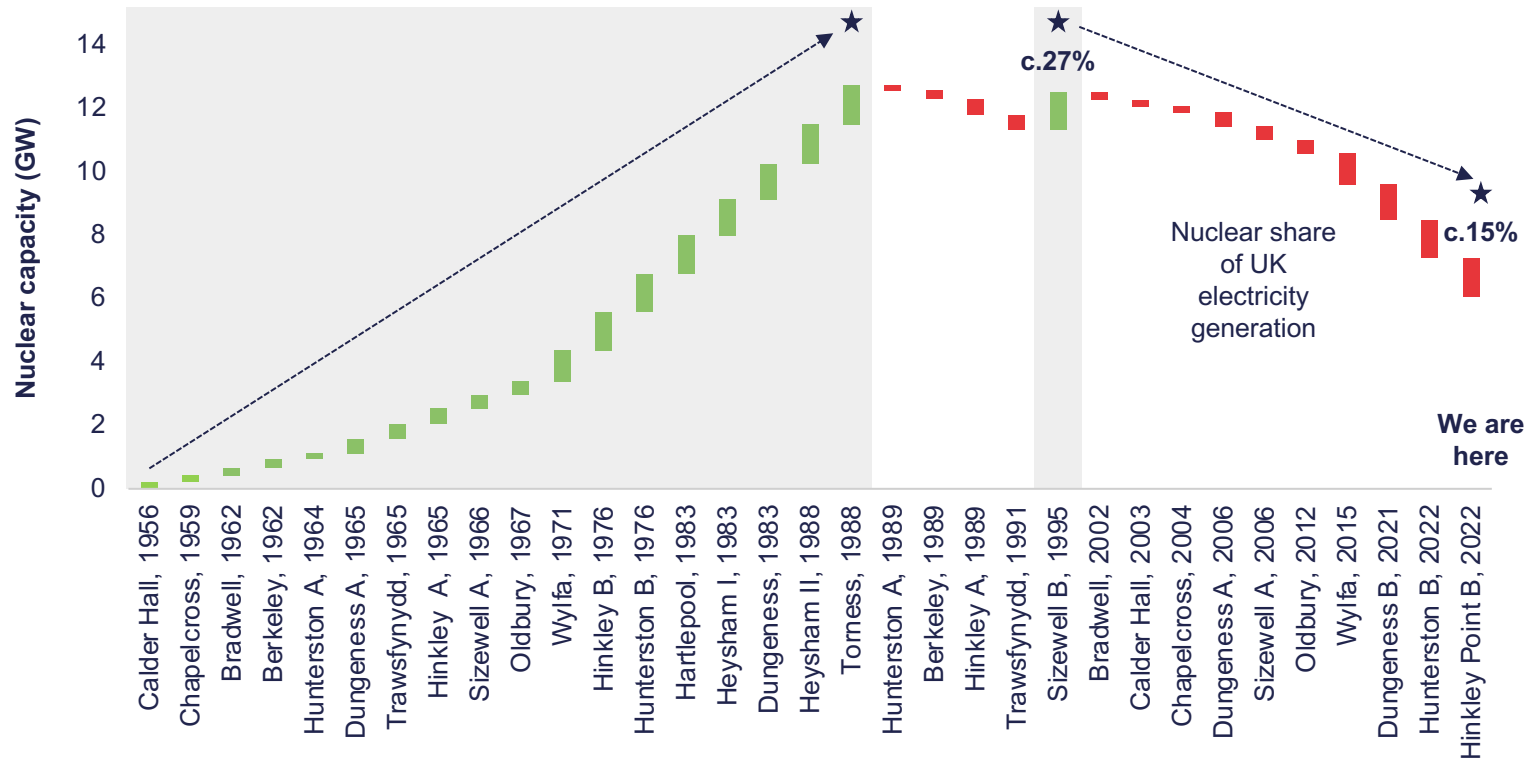


GREAT BRITISH NUCLEAR

HMG PUBLISHED TWO PAPERS SETTING OUT THEIR COMMITMENTS TO NUCLEAR



TO DELIVER ENOUGH NEW NUCLEAR POWER, WE NEED TO CHANGE DIRECTION



From 27% of electricity produced by nuclear at peak, we only have 15% now and reducing...

- The UK has built 19 nuclear power plants since 1956
- Last plant to finish construction was Sizewell B, 1995
- **Only 5 plants are still operating of which 4 are due to retire by 2028**
- Only one plant in construction, Hinkley Point C, and one in negotiation, Sizewell C

//

GBN IS ABOUT:

CREATING CERTAINTY

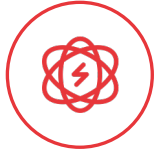
CATALYSING INVESTMENT

DEVELOPING SKILLS

ACCELERATING PROGRAMMES

REDUCING COST.

SO, WHAT WILL GREAT BRITISH NUCLEAR DO?



Delivery

Deliver the nuclear new build programme



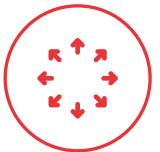
Leadership

Demonstrate leadership to the nuclear sector and link with government



Tech Selection

Select the most competitive Small Modular Reactor designs for the UK



Large-scale

Able to advise and support future GW scale projects



Siting

Access to potential sites for development



Advice

Advise HMG on the nuclear programme and its delivery



Skills and Supply Chain

Help increase nuclear skills base so suppliers can deliver the programme

SUPPORTING DEVELOPERS

GBN will not just be a central organisation.

One of its key functions will be to support developer requirements.

Detailed plans are in being developed for how this will be done.

Types of capability GBN might provide



Programme Delivery



Assurance & Governance



Technology Selection



Commercial & Cost Frameworks



People Planning



Siting & Characterisation



Deploy Government Funding



Regulatory Support/Challenge



**Expert skills
for oversight
and mentoring**



SMR TECHNOLOGY SELECTION PROCESS

WHY SMALL MODULAR REACTORS?

Opportunity for SMRs to be delivered in fleets – with potential of greater cost / schedule certainty



SMRs could be deployed in fleets not just individually.

This gives:

- Potential for component and system **standardisation** through design replication; and
- Increased **off-site factory manufacturing**

Potentially:

- **increasing** deliverability and timing / costing certainty,
- **decreasing** cost and risk



Less could be more.

Potential for:

- Smaller size means **lower capital cost per reactor**.
- **Shorter construction and assembly times** per unit, quicker revenue generation

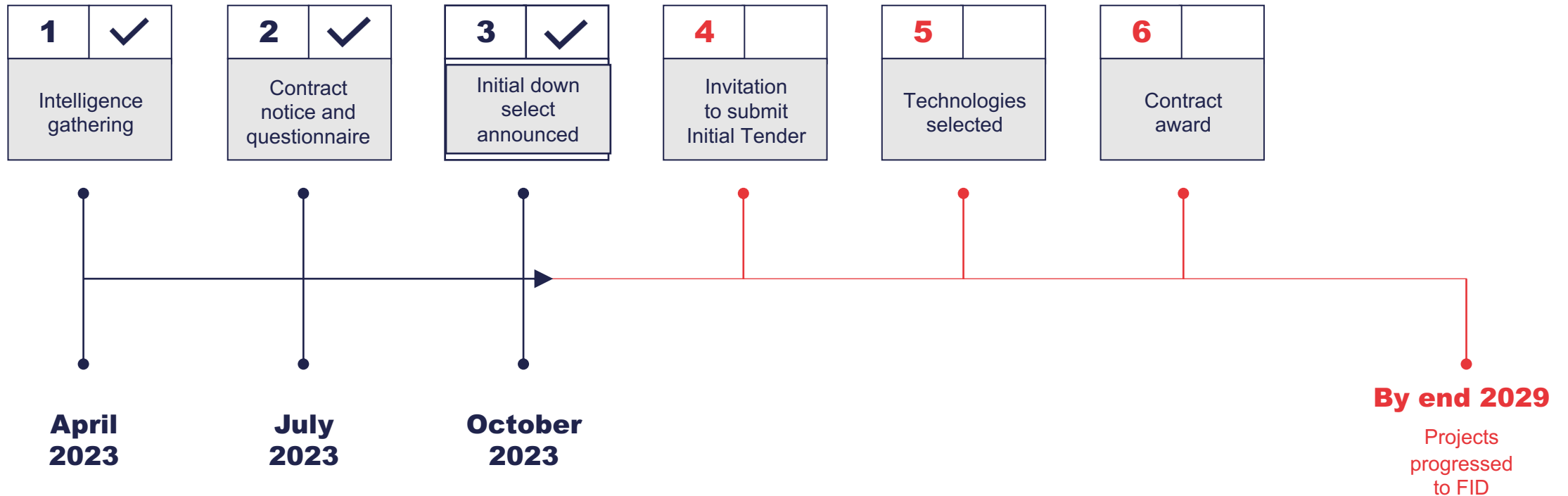


SMRs could create greater competition:

- **potential to reduce costs**; and
- opportunity for the UK to **re-build its supply chain** and be a leader creating **export opportunities**

SMR SELECTION TIMELINE TO FINAL INVESTMENT DECISION IN 2029

SMR SELECTION PROCESS



INITIAL SMR DOWNSelect

At the beginning of October, we announced that six companies have made it through to the next round of the SMR technology selection:



We will invite these companies to submit an initial tender later in the year.

HELPING DEVELOPERS TO ACCESS SITES

GBN will help developers access sites – but this is at a very early stage so far





NEXT STEPS FOR GBN

FROM TECHNOLOGY SELECTION TO ORGANISATION SCALE UP

1

Select the best Small Modular Reactor technologies.

Support HMG in preparing the consultation.

2

Interim Executive Committee and Board set up.

Industry and Government secondment programme underway – looking for around 50 roles

3

Plans in place to build up GBN's central capabilities.....

4

... while we plan how we build developer capabilities too.

THANK *you*

GREAT * BRITISH
NUCLEAR