

NUCLEAR SPACE POWER WG:VISION & OBJECTIVES

- Define, develop and promote the UK offering of Nuclear Space Power (capabilities, applications, technologies),
- Support the UK to a position of influence internationally eg international space exploration efforts.
- Through :-
 - Pooling knowledge and skills across industry, academia & government
 - Leveraging the nation's significant investment in terrestrial nuclear energy systems development and supporting technologies.

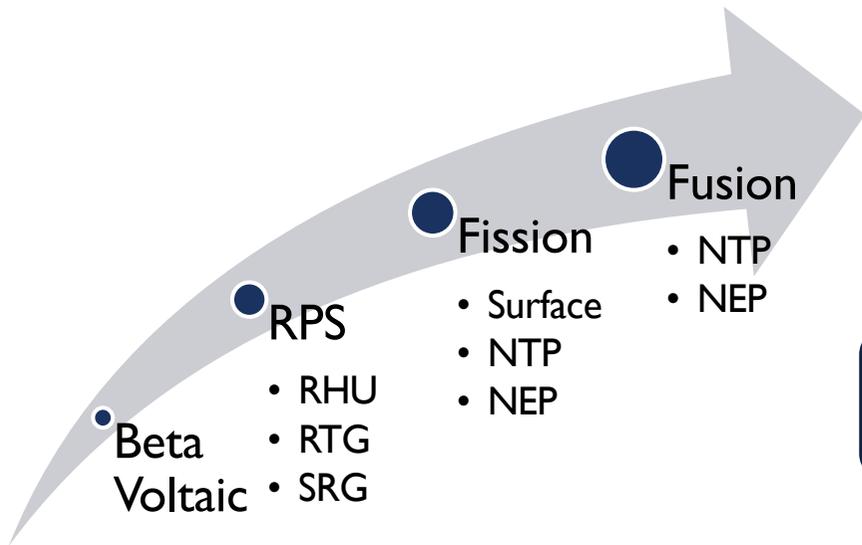
Formed: October 2020

Current members: Rolls Royce (chair), UKAEA, National Nuclear Laboratory, SA Catapult, Leicester University, Bangor University, Cranfield University, Rocket Engineering Ltd (facilitator)



UK Nuclear Space Power
Working Group

DESIGN WORLD BEATING TECHNOLOGIES & CREATE VALUE FOR THE UK



Value Chain

Cross Cutting Technologies

Spin-Out Terrestrial Applications

Stimulate Growth

Support STEM

UK team driving UK's *competitiveness* in this growth area

Supporting UK global international influence, *exports*



Stimulate growth through *rapid* development and demonstration

Leverage UK terrestrial nuclear capability - *cross sector innovation*

Demonstrate the UK's collective capabilities of a near term technologies

Provide roadmap from near term to future high-power

Identify value that can be transferred across sectors

Stimulate and support national *STEM objectives* in nuclear power and space

Encourage and support technology tracks beneficial to exploration

Lead & *coordinate* the UK's Nuclear Space activities

Centralise grant applications for *collective developments* and the value proposition

