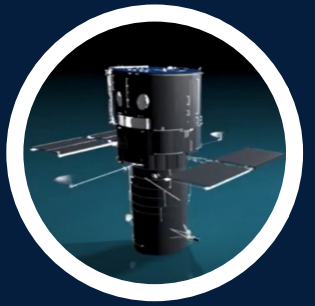
NNL Space Battery
Development Timeline

NATIONAL NUCLEAR LABORATORY

2009

Call from ESA to develop next generation space technology, leads to NNL's discovery of Americium-241 in used fuel stored at Sellafield.



Studies prove that it will be technically feasible to separate Americium-241 and use it as a power source for space batteries.

NNL successfully converts heat from Americium-241 to electricity to power a lightbulb.

2019

NNL office at Leicester Space park opens.

Central Laboratory opens new facilities to extract and separate Americium-241.

2029

Americium space batteries support European Space Agency missions for lunar habitats.