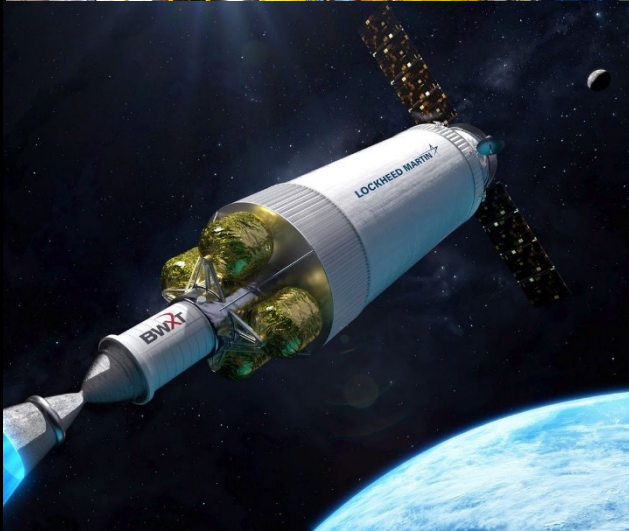


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Chief of Technology  
BWXT Advanced Technologies



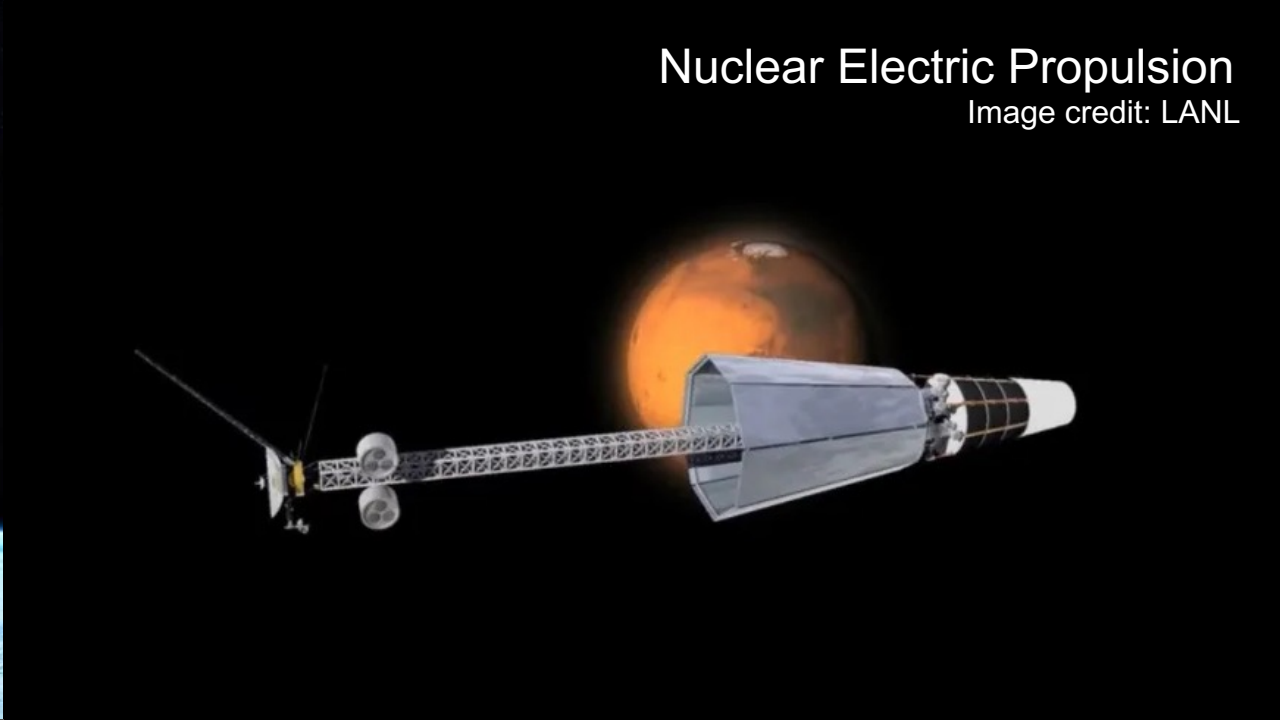
## DRACO Nuclear Thermal Rocket

Image credit: Lockheed Martin



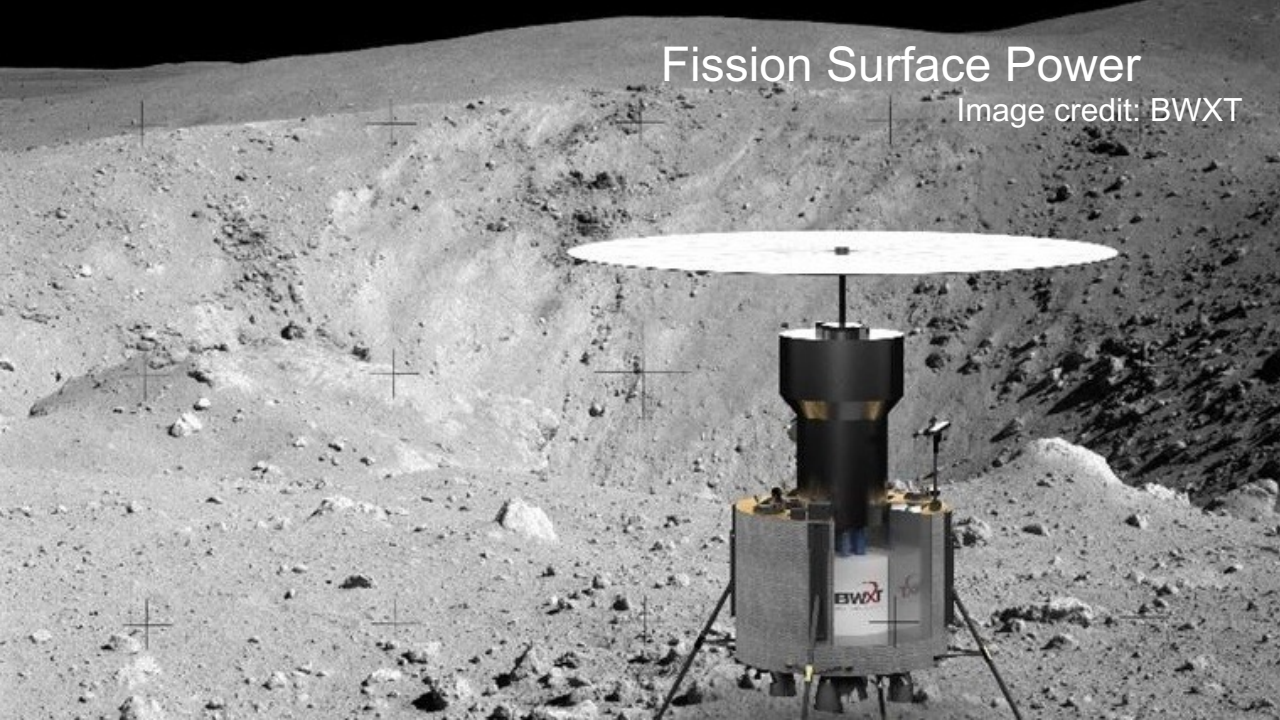
## Nuclear Electric Propulsion

Image credit: LANL



## Fission Surface Power

Image credit: BWXT



## Pele Portable Microreactor

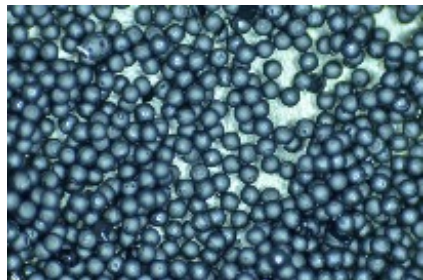
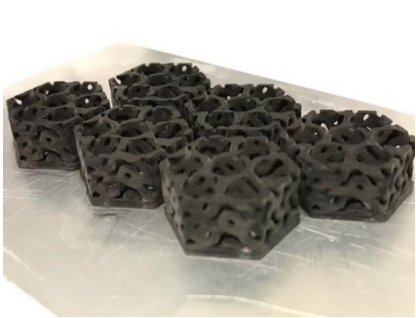
Image credit: BWXT



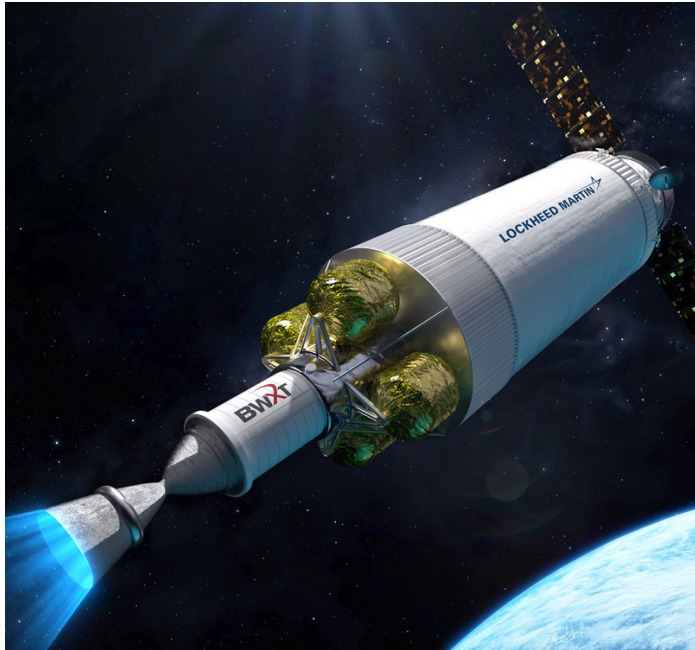
# Technology Development and University Opportunities

## Perform Foundational Development

**Internally Funded NTP Fuel Development & NASA Space Nuclear Propulsion Program**



## Demonstrate On-Orbit



**BWXT to Deliver Nuclear Reactor, Fuel for DARPA DRACO Program, Demonstrating NTP on-orbit in 2027.**

## Deploy New Capabilities



**NTP can Extend Human Exploration to Mars; Increase Mobility in in Cis-lunar space**

1. 3D Printed Fuel (2019);
2. NTP Reactor Interim Design Study (2021);
- 3.&4. Coated Fuel & Test Article Deliveries (2017-2022)