



Development Focus Areas

1

ENERGY PRODUCTION, INFRASTRUCTURE & STORAGE

Targeting the development of the domestic energy infrastructure necessary to power the full aerospace supply chain, from propellant manufacturing to long-duration operations.

2

NUCLEAR POWER & PROPULSION

Supports the pursuit of advanced power and propulsion technologies that are foundational to U.S. leadership in deep-space exploration.

3

ADVANCED SOFTWARE, AVIONICS & COMMUNICATIONS SYSTEMS

Accelerates the development of guidance, navigation, and control systems, high- performance space-grade computing, and certified safety-critical avionics software vital to the aerospace industry.

4

SPECIALIZED MATERIALS & COMPONENTS

Scales the component-level manufacturers and material suppliers that form the critical upstream supply chain for spacecraft structures, propulsion systems, fluid management, and other aerospace applications.

5

INHOSPITABLE ENVIRONMENT INFRASTRUCTURE

Focuses on the technologies required to establish and sustain permanent human and robotic presence beyond Earth orbit, including surface power, resource utilization, thermal management, and testing and certification infrastructure.

6

SCALED LAUNCH INFRASTRUCTURE

Bolsters the industrial base required to increase domestic launch cadence and reduce the cost and lead time of access to space.

7

BIOMEDICAL & LIFE SUPPORT TECHNOLOGY

Furtheres the development of human health, life support, and closed-loop environmental systems required to enable safe, long-duration human spaceflight.