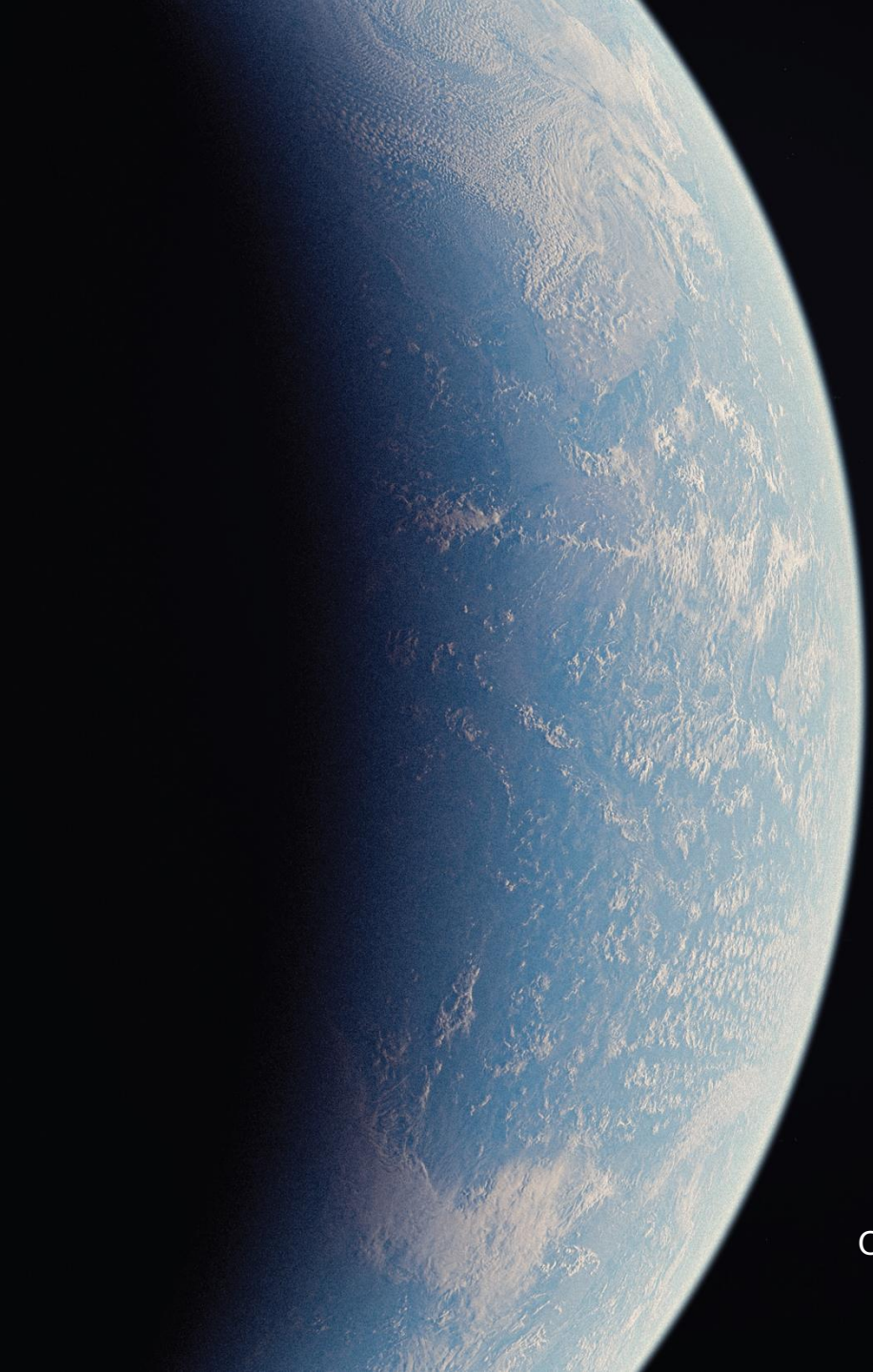
National Aeronautics and Space Administration



STMD: Shaping the missions of tomorrow

ASEB/SBB Meeting

Clayton Turner | Associate Administrator | NASA's Space Technology Mission Directorate (STMD)

July 23 2025

nasa.gov/spacetech

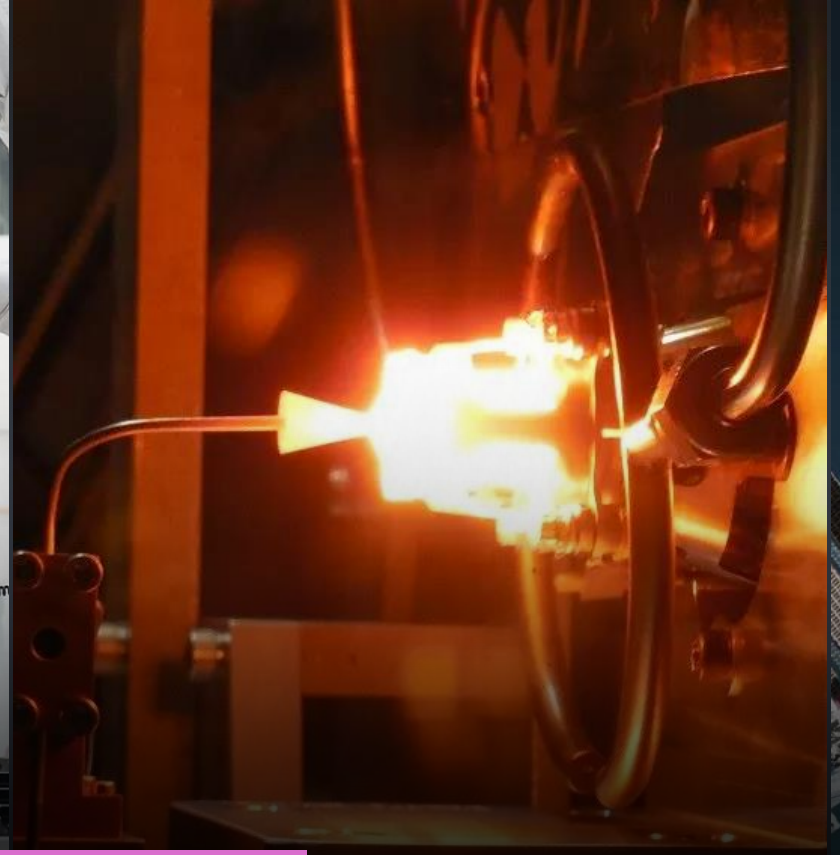
SPACE TECHNOLOGY MISSION DIRECTORATE

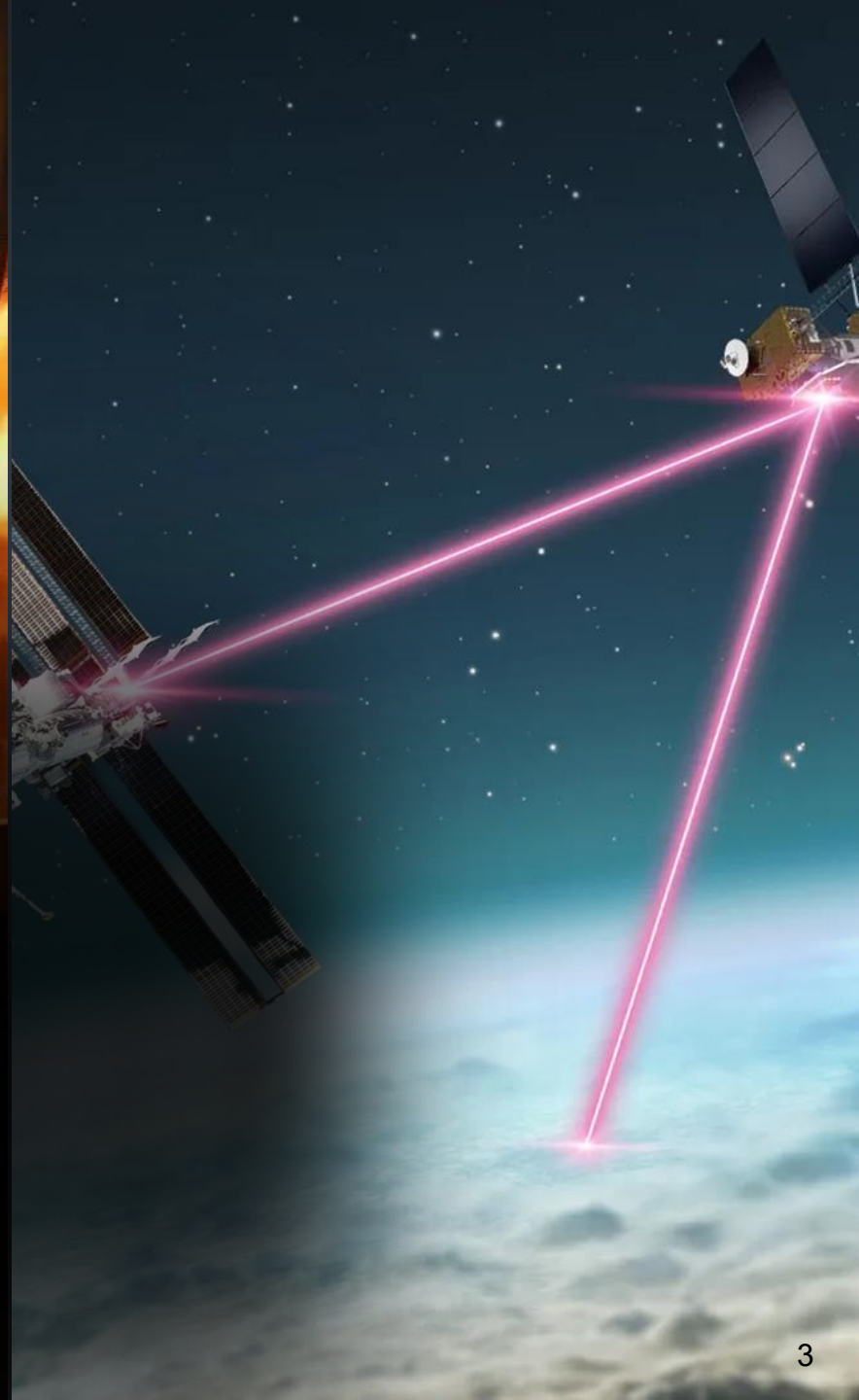
The work we do today is shaping the missions of the future while delivering the cutting-edge technology that defines American leadership in space exploration for years to come

ADVANCE US space technology innovation and competitiveness in a global context

FOSTER innovation by cultivating breakthrough ideas, embracing risk, and fueling a competitive space economy

DRIVE a powerful U.S. aerospace technology community to improve life on Earth and in space

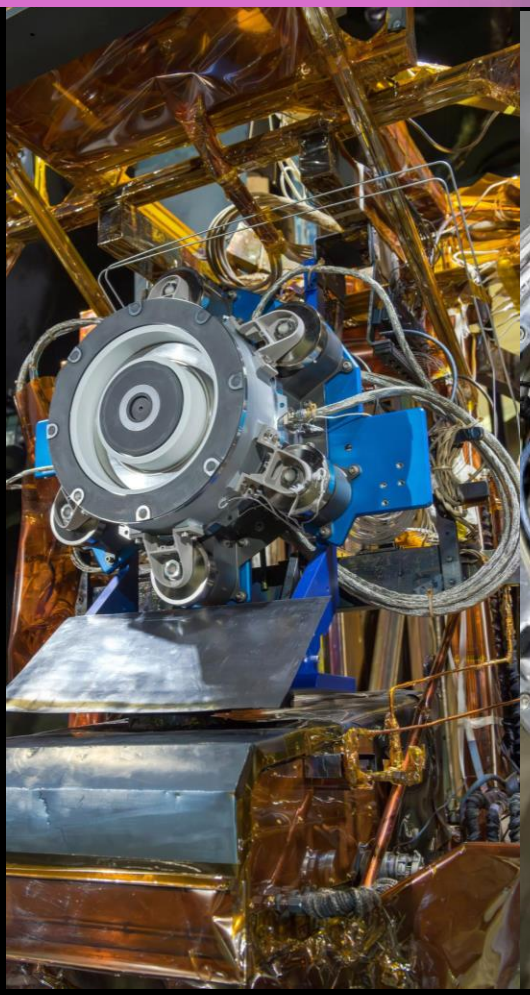


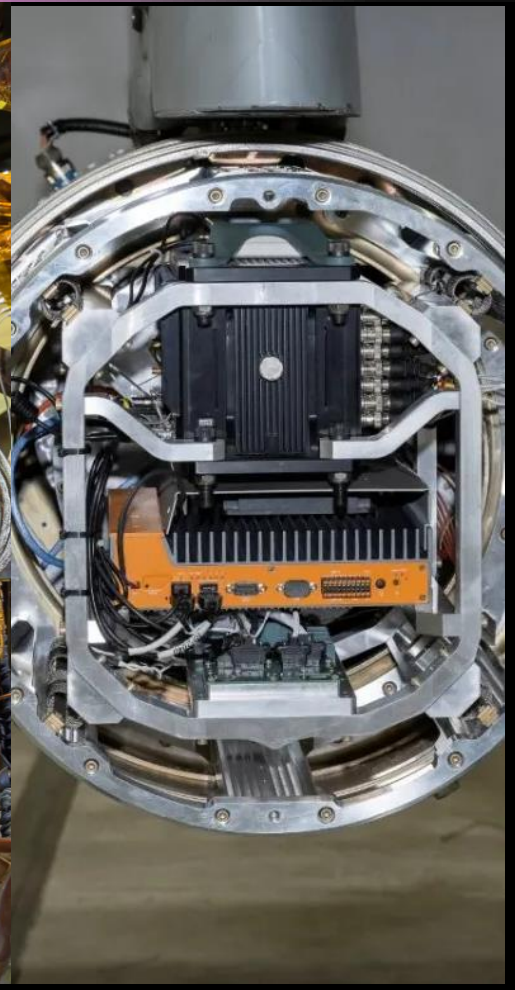


ADVANCE

U.S. space technology innovation and competitiveness in a global context

ADVANCE





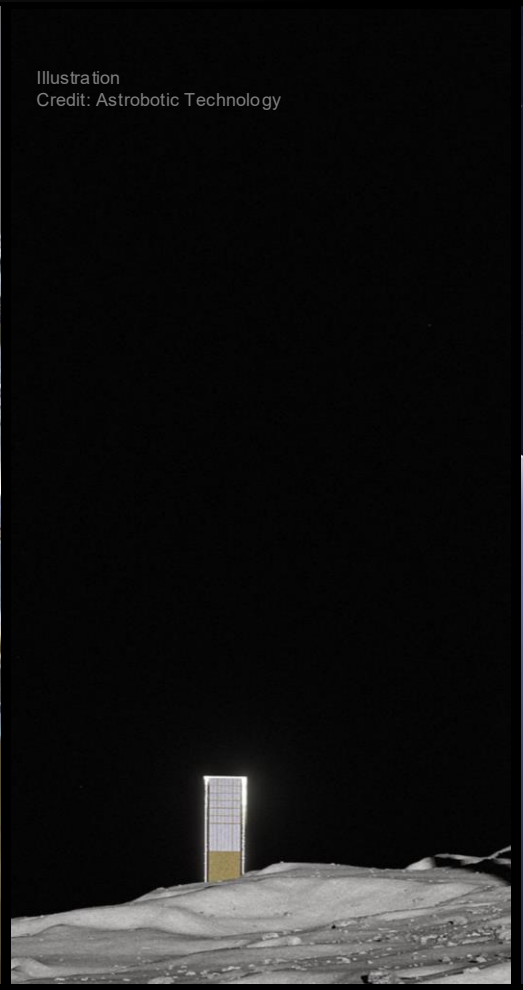
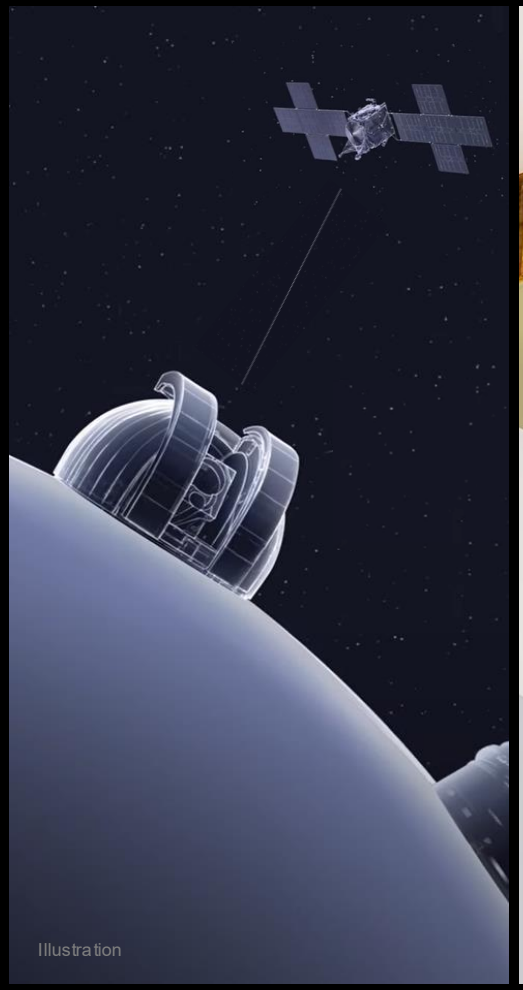


Illustration
Credit: Astrobotic Technology



Illustration

Credit: Firefly Aerospace

Space Transportation

Space to Surface Operations

Surface Infrastructure/ Exploration

In-Space Discovery/ Infrastructure

Foundational Capabilities

ADVANCE

Credit: Firefly Aerospace

Credit: Intuitive Machines

FOSTER

Innovation by cultivating breakthrough ideas, embracing risk, and fueling a competitive space economy

Credit: ICON

FOSTER


Credit: SpaceX
Industry Partnerships


Small Business Research & Development


Flight Opportunities

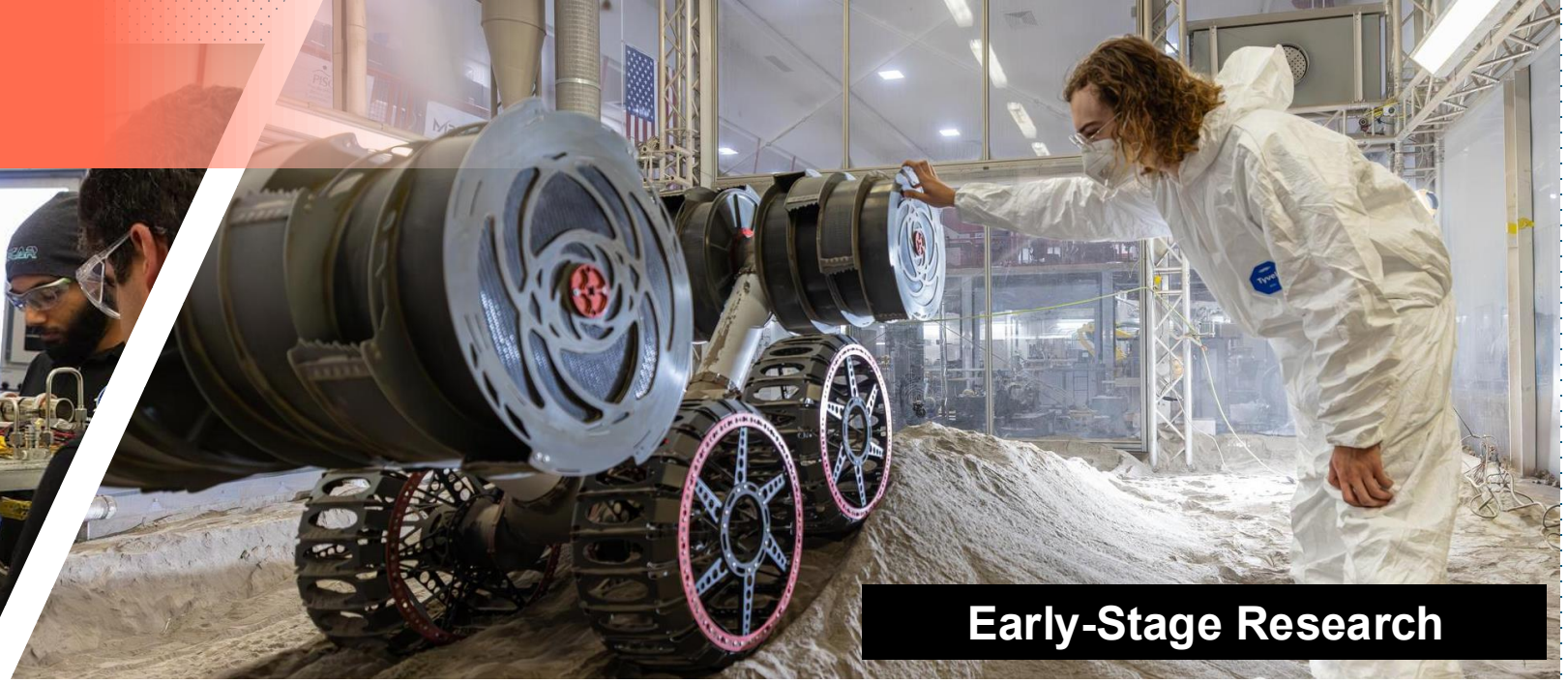

Small Spacecraft Technology

DRIVE

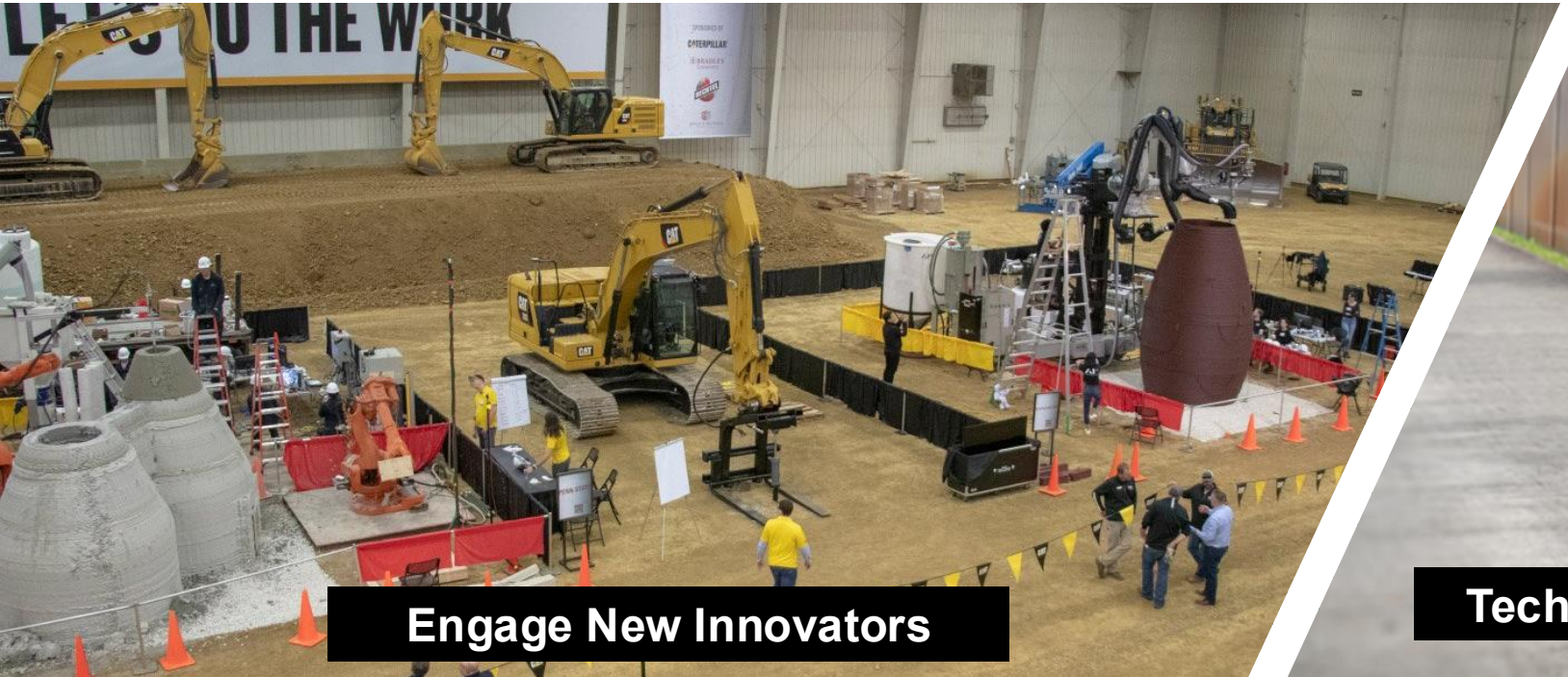
Develop a powerful U.S. aerospace technology community to improve life here on Earth and in space

DRIVE

Opportunities for Workforce



Early-Stage Research



Engage New Innovators

Technology Transfer

SPACE TECHNOLOGY MISSION DIRECTORATE

TECHNOLOGY DRIVES EXPLORATION

REACH
NEW
HEIGHTS

REVEAL
THE
UNKNOWN

BENEFIT
ALL
HUMANKIND