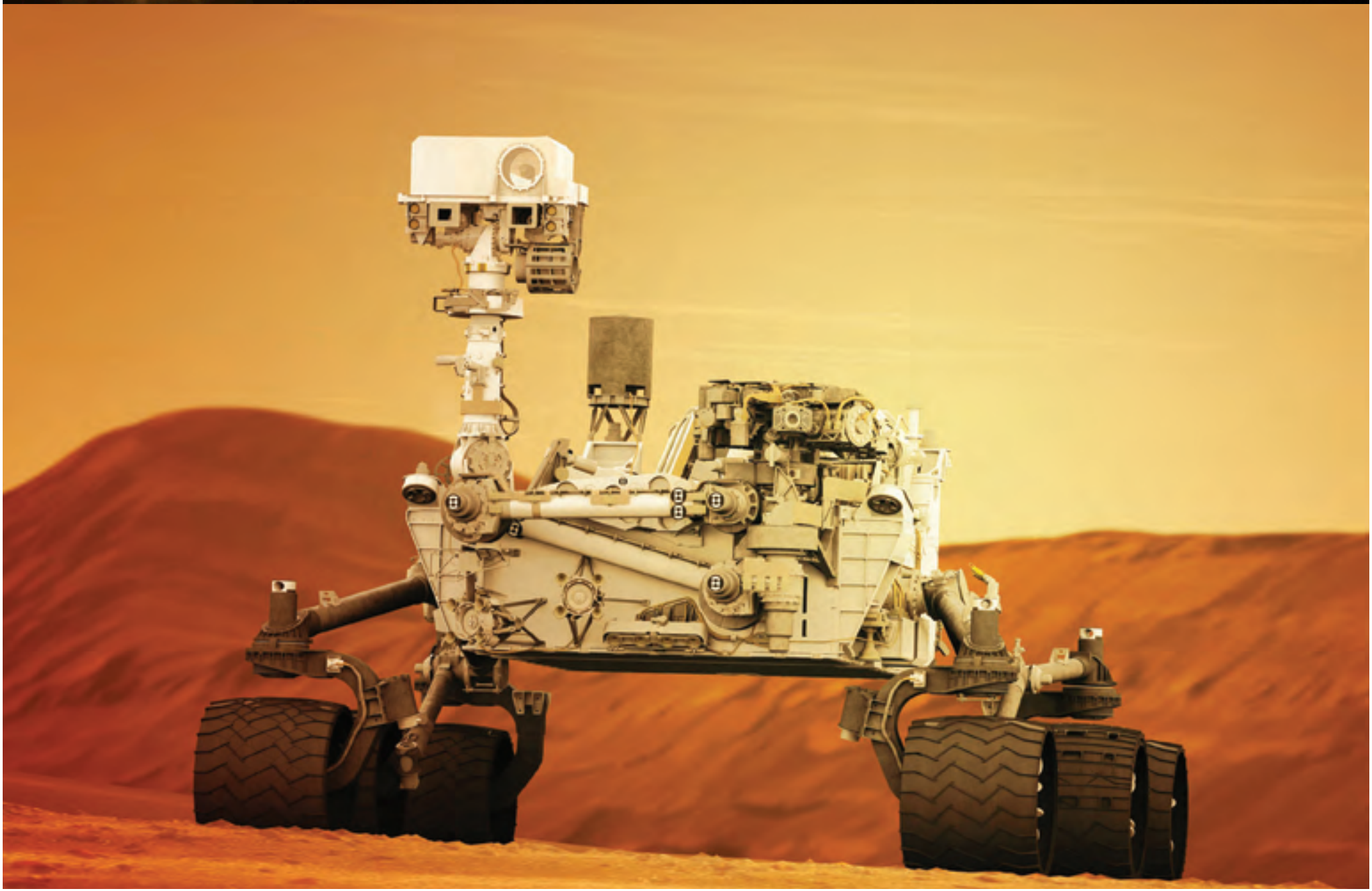
National Aeronautics and
Space Administration

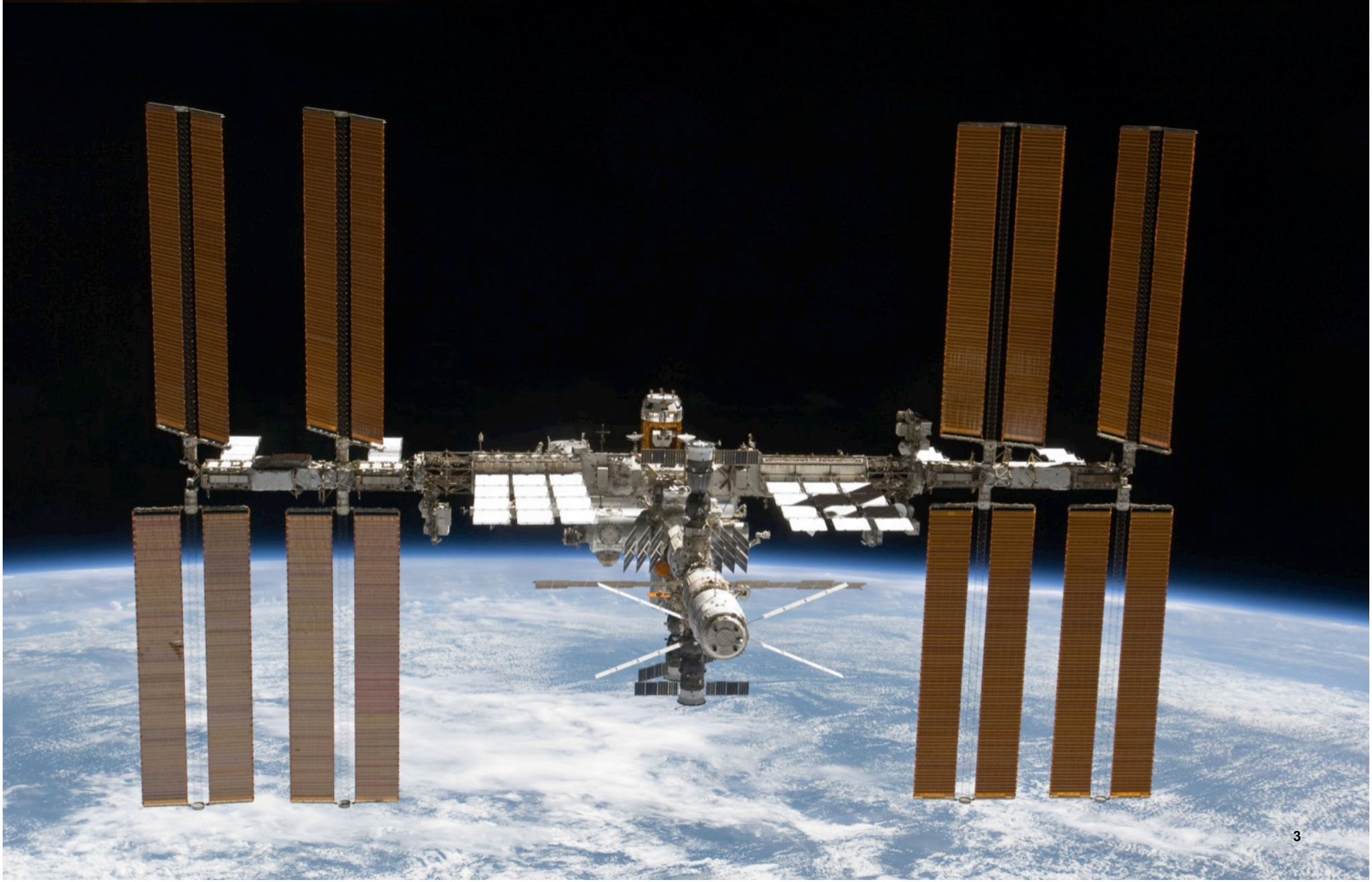
Small Business Innovation Research
Small Business Technology TRansfer

November 12, 2014

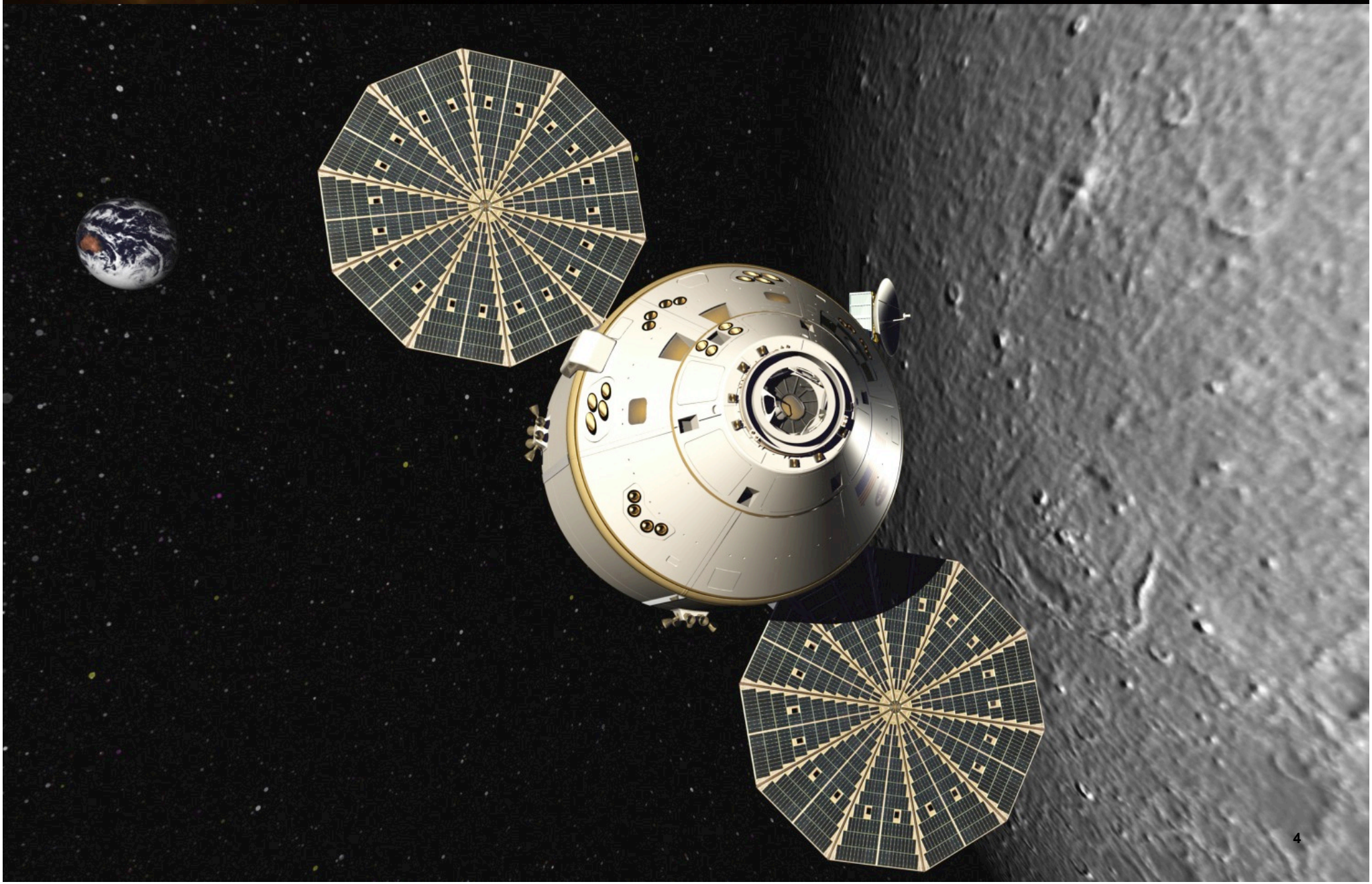
SBIR Lands on Mars



SBIR Manufactures Onboard ISS



SBIR to Orbit on Orion

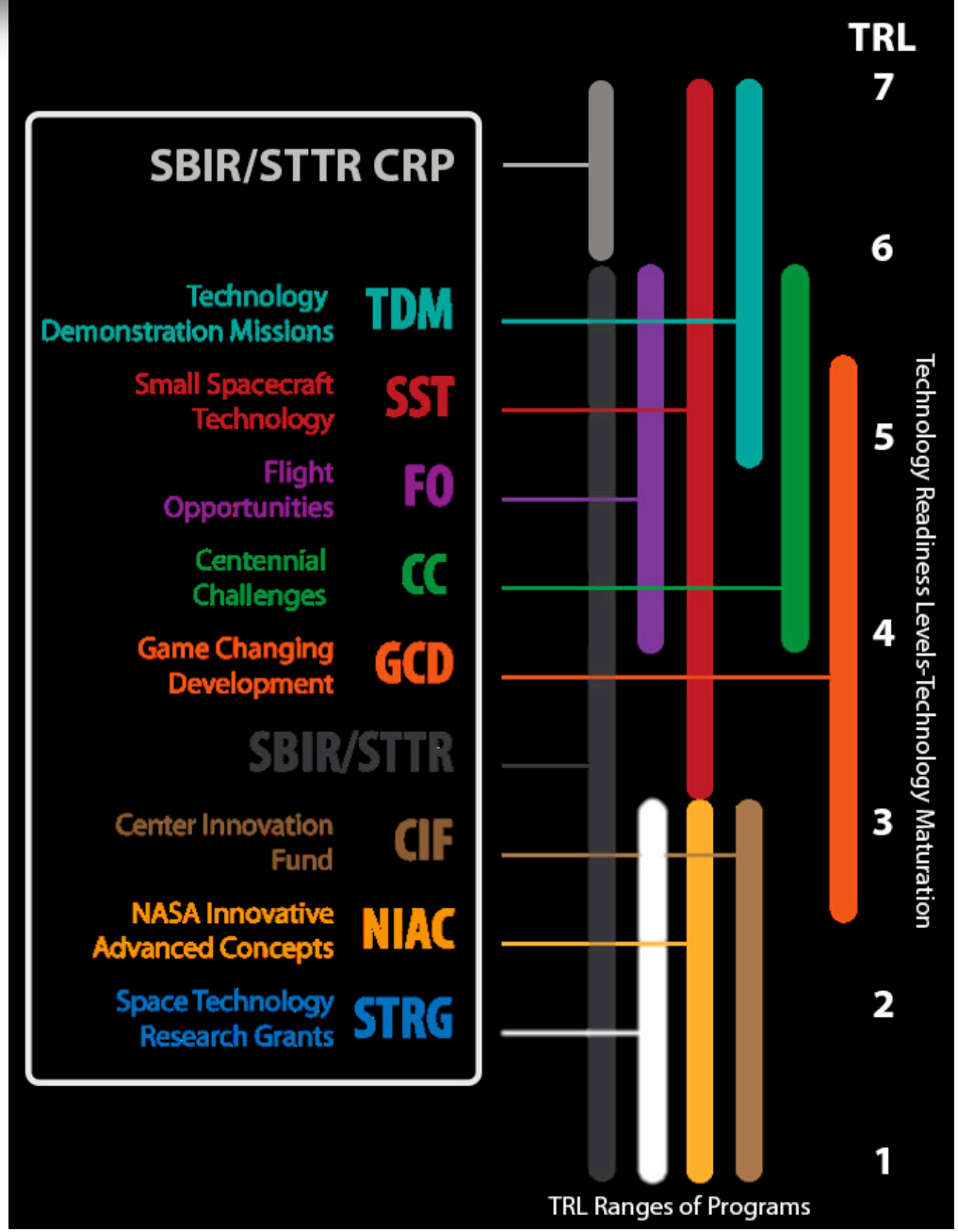


Overview

NASA's SBIR/STTR Annual Budget
- $150-$170M

- Topics/Subtopics developed to:
  - support the needs of NASA's Mission Directorates
  - to support mid- to long-term technology development needs identified in NASA's "Space Technology Roadmaps" or the National Aeronautics R&D Plan

- All SBIR/STTR projects are managed at one of NASA's 10 Centers



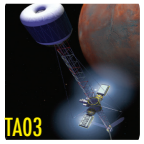
Space Technology Technical Areas

TA01

- LAUNCH PROPULSION SYSTEMS

TA02

- IN-SPACE PROPULSION TECHNOLOGIES

TA03 

- SPACE POWER & ENERGY STORAGE

TA04

- ROBOTICS, TELE-ROBOTICS & AUTONOMOUS SYSTEMS

TA05

- COMMUNICATION & NAVIGATION

TA06

- HUMAN HEALTH, LIFE SUPPORT & HABITATION SYSTEMS

TA07

- HUMAN EXPLORATION DESTINATION SYSTEMS

TA08

- SCIENCE INSTRUMENTS, OBSERVATORIES & SENSOR SYSTEMS

TA09

- ENTRY, DESCENT & LANDING SYSTEMS

TA10

- NANOTECHNOLOGY

TA11

- MODELING, SIMULATION, INFORMATION TECHNOLOGY & PROCESSING

TA12

- MATERIALS, STRUCTURES, MECHANICAL SYSTEMS & MANUFACTURING

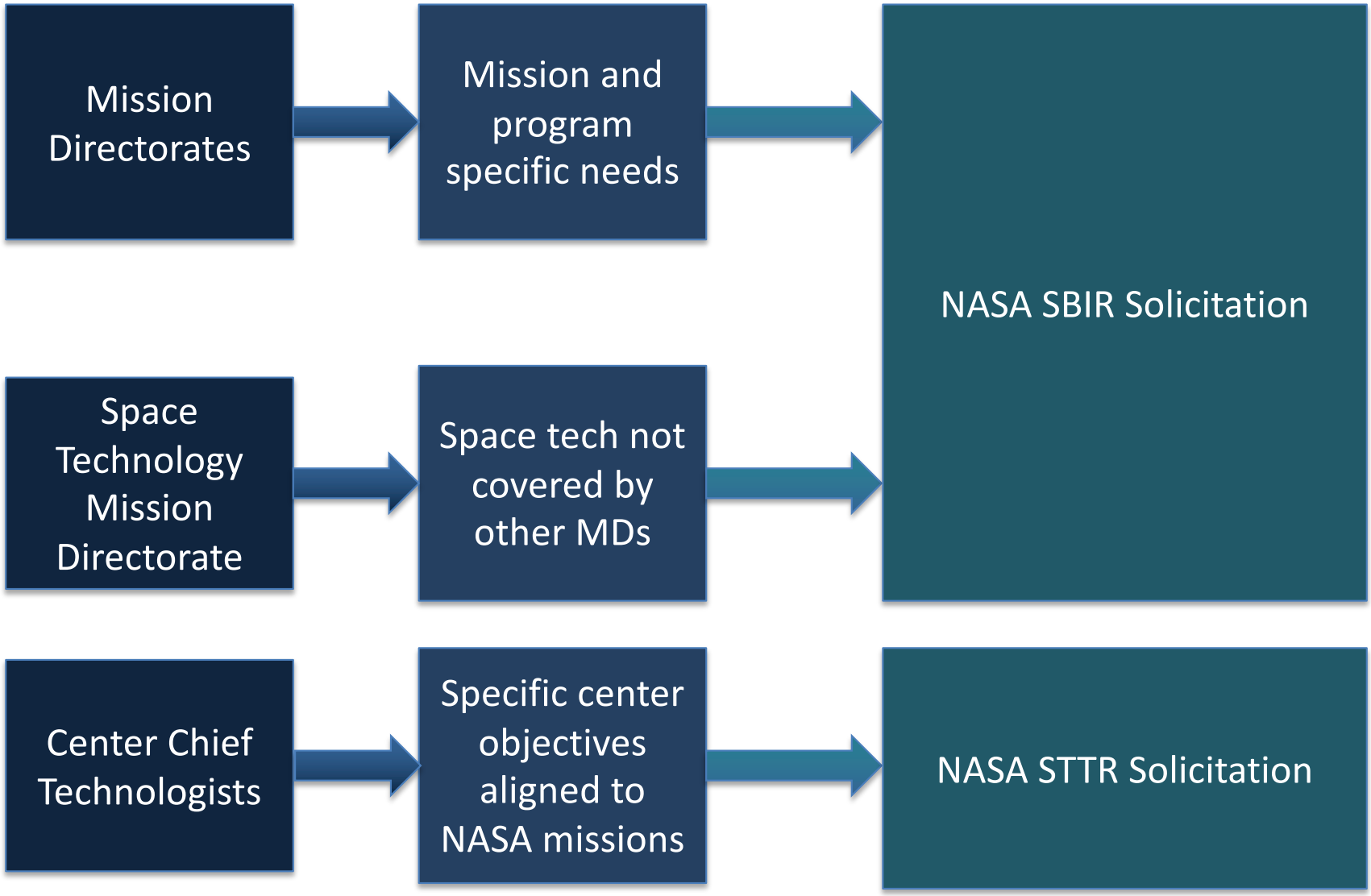
TA13

- GROUND & LAUNCH SYSTEMS PROCESSING

TA14

- THERMAL MANAGEMENT SYSTEMS

How Are Subtopics Defined?



SBIR/STTR Technology Award Stages

Concept → Infusion or Commercialization

Phase I

- General
- Select

Phase II

- General
- Select
- Phase II-E
- Phase II-X

Phase III

- Non-SBIR: Contract from NASA program or center
- SBIR: CRP

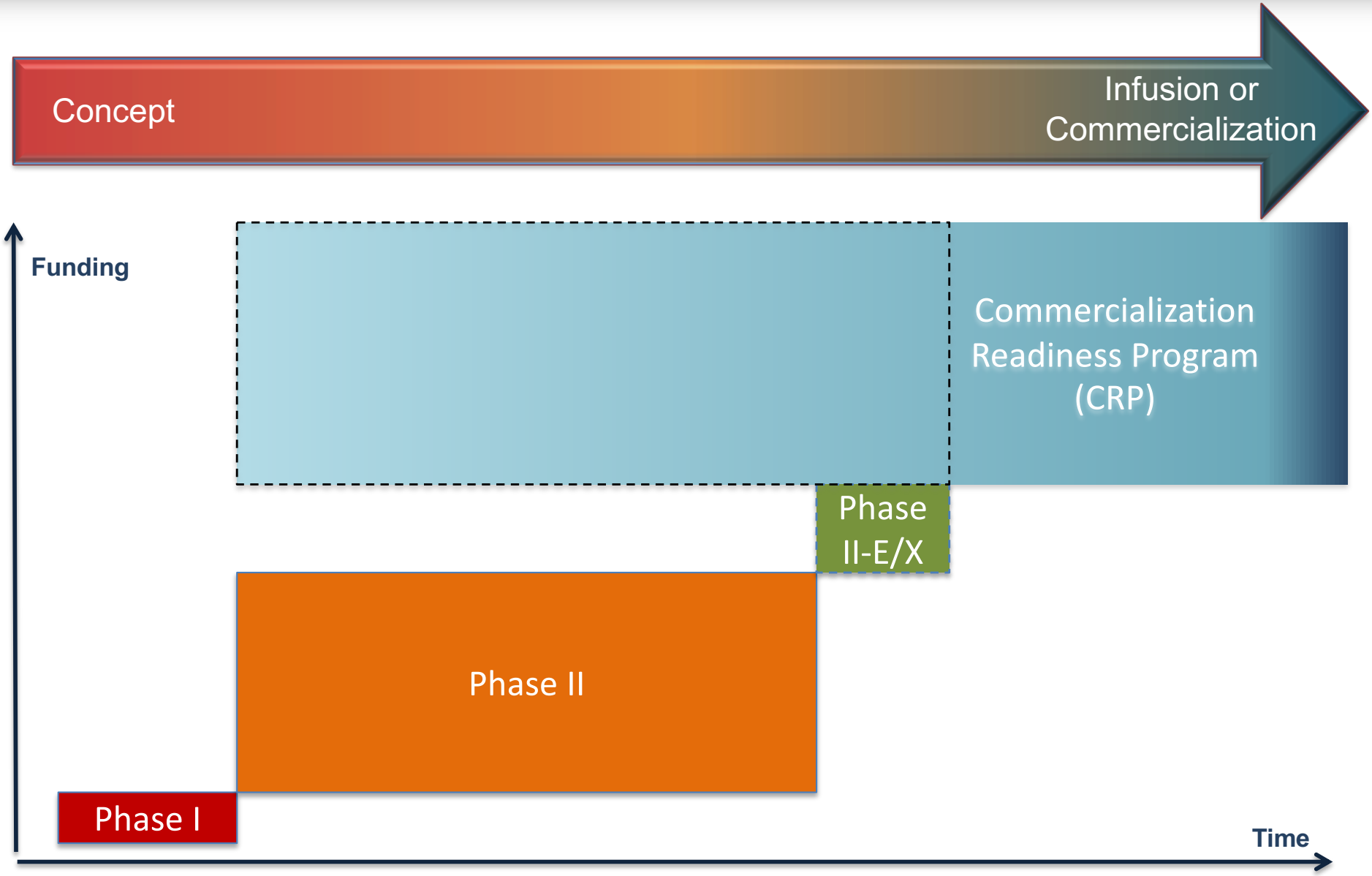
CRP: Commercialization Readiness Program

The Bridge to Infusion and Commercialization

- The CRP is part of several activities within the NASA SBIR/STTR Program seeking to expand opportunities for technology maturation between SBIR/ STTR companies and four major groups:
  1. NASA programs and missions
  2. NASA Prime Contractors
  3. State and regional entities
  4. Other networks

- **Award Amount: typically $100K - $1.5M**

SBIR/STTR Technology Award Stages



Contact Us

- Conference Exhibit Area: NASA
- Round Table Discussion 11/12 (3:30-4:30 Room A)
- 1-on-1 Meetings 11/12 & 11/13

- NASA SBIR/STTR: www.sbir.nasa.gov
- NASA Post Phase II Initiatives: http://sbir.gsfc.nasa.gov/content/post-phase-ii-initiatives

- NASA HelpDesk: 301-937-0888 / email: sbir@reisys.com