

Jacobs at NASA Marshall Space Flight Center

Jacobs provides engineering, scientific and technical services to NASA Marshall Space Flight Center (MSFC) in Huntsville, Alabama, on the Engineering Services and Science Capability Augmentation contract. A Prime Contractor at MSFC since 1989, Jacobs supports marquee NASA programs, including the Space Launch System, International Space Station, space optics fabrication, earth and space sciences and advanced propulsion system development. Jacobs also operates and maintains NASA's Materials Mechanical Test Facility, supporting a wide range of material development, materials science and testing; and manages the Gamma-ray Burst Monitor observation facility.



Space Transportation Systems Development

- ▶ advanced launch systems
- ▶ upper stages
- ▶ cryogenic engines
- ▶ storable propellant engines
- ▶ solid rocket motors
- ▶ launch abort systems

Exploration Systems Support

- ▶ requirements definition & verification
- ▶ resource planning & management
- ▶ integration of risk analysis

Space Science & Applications

- ▶ materials science
- ▶ micro fluidics
- ▶ lunar habitat research
- ▶ lunar surface power generation technology

Research, Technology & Advanced Development

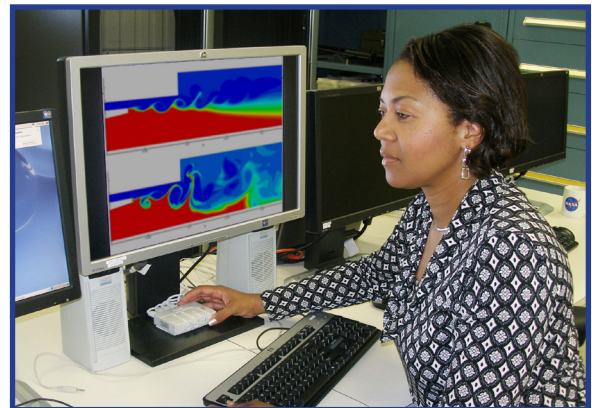
- ▶ environmental closed-loop life support system
- ▶ solar thermal propulsion & other space propulsion systems
- ▶ advanced materials research, manufacturing & testing

Research & Test Facilities

- ▶ X-Ray & Cryogenic Facility
- ▶ optics & sensor simulation laboratories
- ▶ propulsion component and systems test facilities
- ▶ pressurization systems verification & certifications
- ▶ Materials Mechanical Test Facility
- ▶ Hydrogen Test Facility

Scientific Research & Payload Development

- ▶ space optics manufacturing
- ▶ space environments & effects



- ▲ *Jacobs provides support to key NASA programs, including avionics, additive manufacturing & fluids modeling.*

Spacecraft Systems Development

- ▶ International Space Station
- ▶ space observatories/telescopes
- ▶ lunar launch vehicles and propulsion systems

Payload Integration & Operations

- ▶ International Space Station
- ▶ on-orbit operations
- ▶ lunar scientific payloads