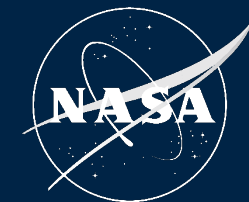



National Aeronautics and Space Administration



  
**Glenn Research Center**  
Lewis Field



# NASA Glenn

*For the Benefit of All*

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**Dr. Wanda Peters**

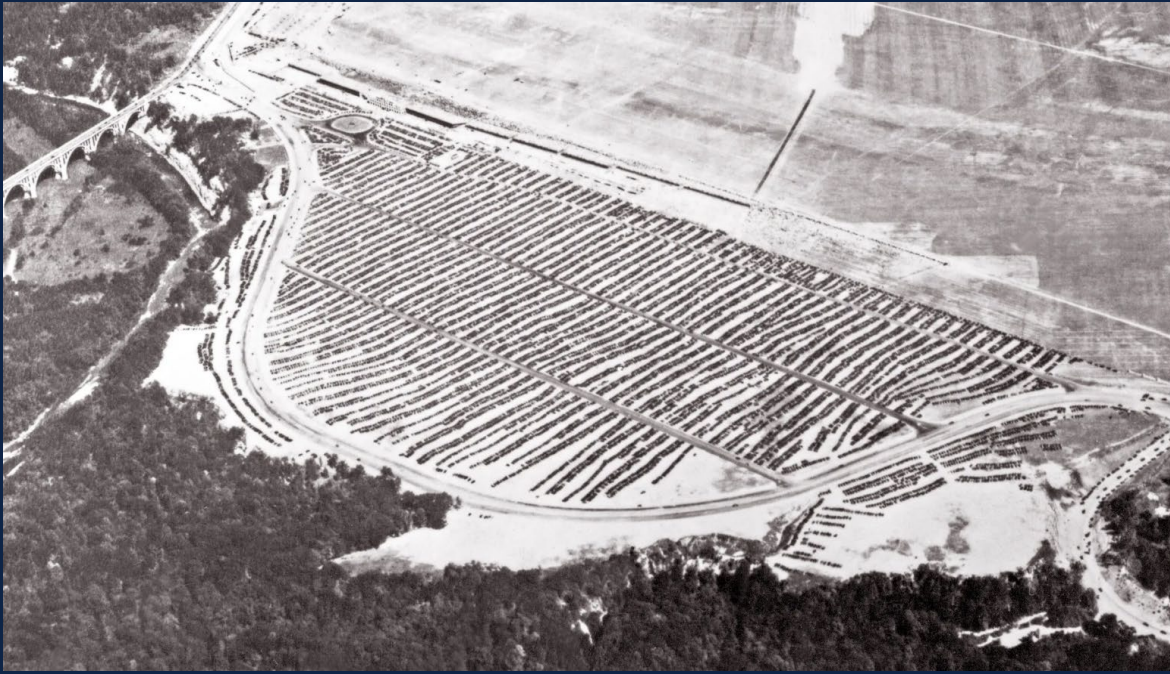
Acting Deputy Center Director

# Mission

We drive research, technology, and systems to advance aviation, expand human presence across the solar system, enable exploration of the universe, and improve life on Earth.



# History



JANUARY 23, 1941 - GROUND BROKEN FOR FIRST BLDG.  
AT NACA AIRCRAFT ENGINE RESEARCH LAB



NACA  
C-6552  
9-13-44

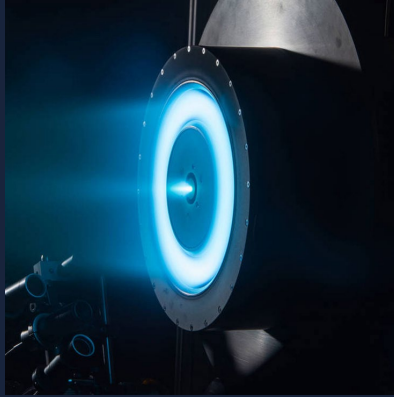
# NASA Centers



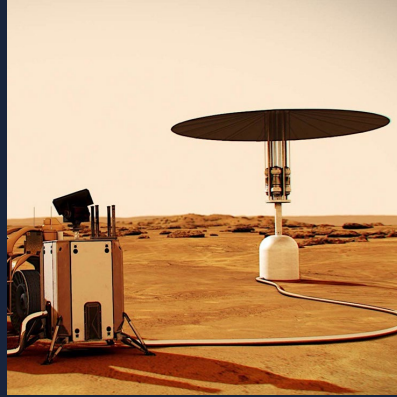
# Core Competencies



Aircraft  
Propulsion



In-Space  
Propulsion &  
Cryogenics



Power, Energy  
Storage &  
Conversion



Materials &  
Structures for  
Extreme  
Environments



Communications  
Technology



Physical Sciences  
& Biomedical Tech



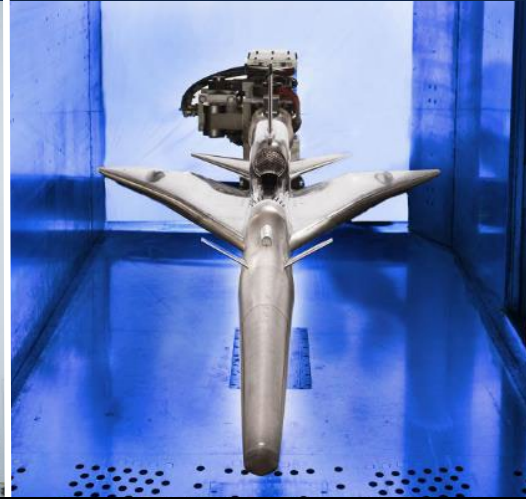
Zero Gravity Research Facility



Vacuum Chambers



Reverberant Acoustic Test Facility



Transonic & Supersonic  
Propulsion Wind Tunnels



Icing Research Tunnel

# Extreme Flight Environments Simulation and Testing

Simulated Lunar OPERations (SLOPE) Facility



Glenn's Extreme Environment Rig (GEER)



Propulsion Systems Laboratory



NASA Electric Aircraft Testbed (NEAT)



# Glenn Research Center

## Campuses

### Lewis Field

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1,500+ civil servants, 1,600+ contractors

### Armstrong Test Facility

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20+ civil servants, 100+ contractors



# Workforce

65 percent of scientists and engineers earned advanced degrees,  
24 percent with Ph.D.'s



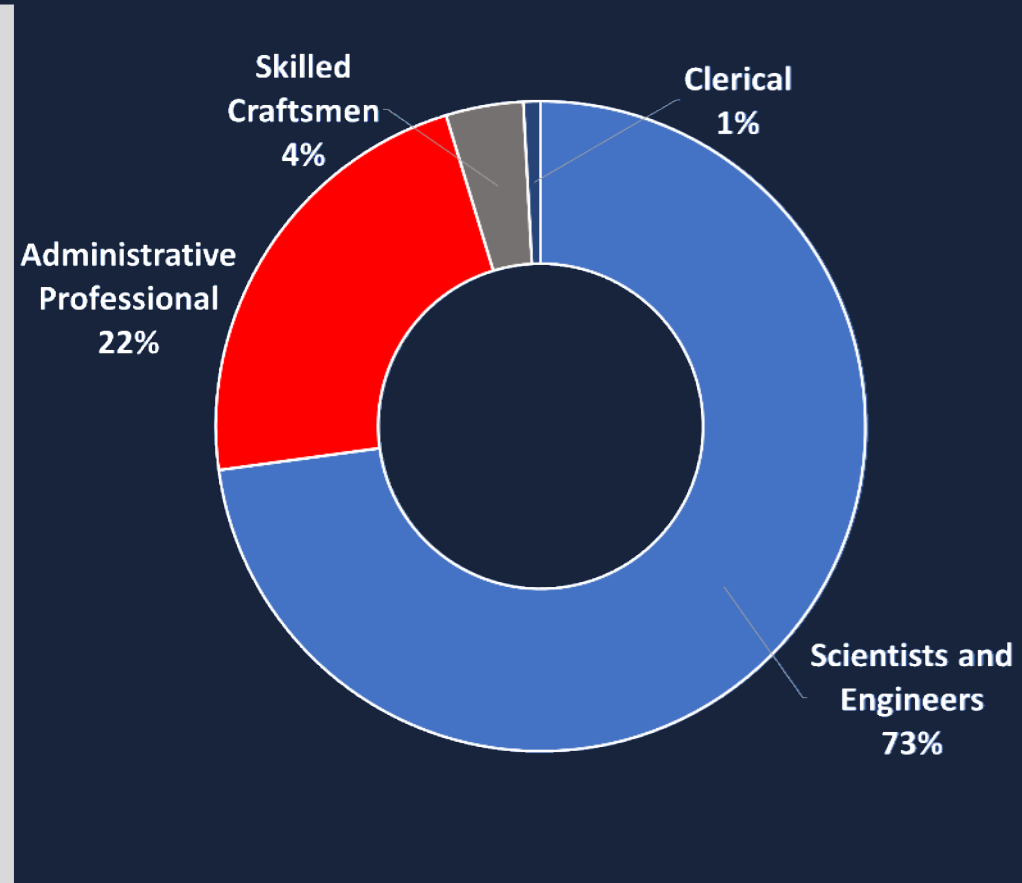
Scientists & Engineers



Administrative & Clerical



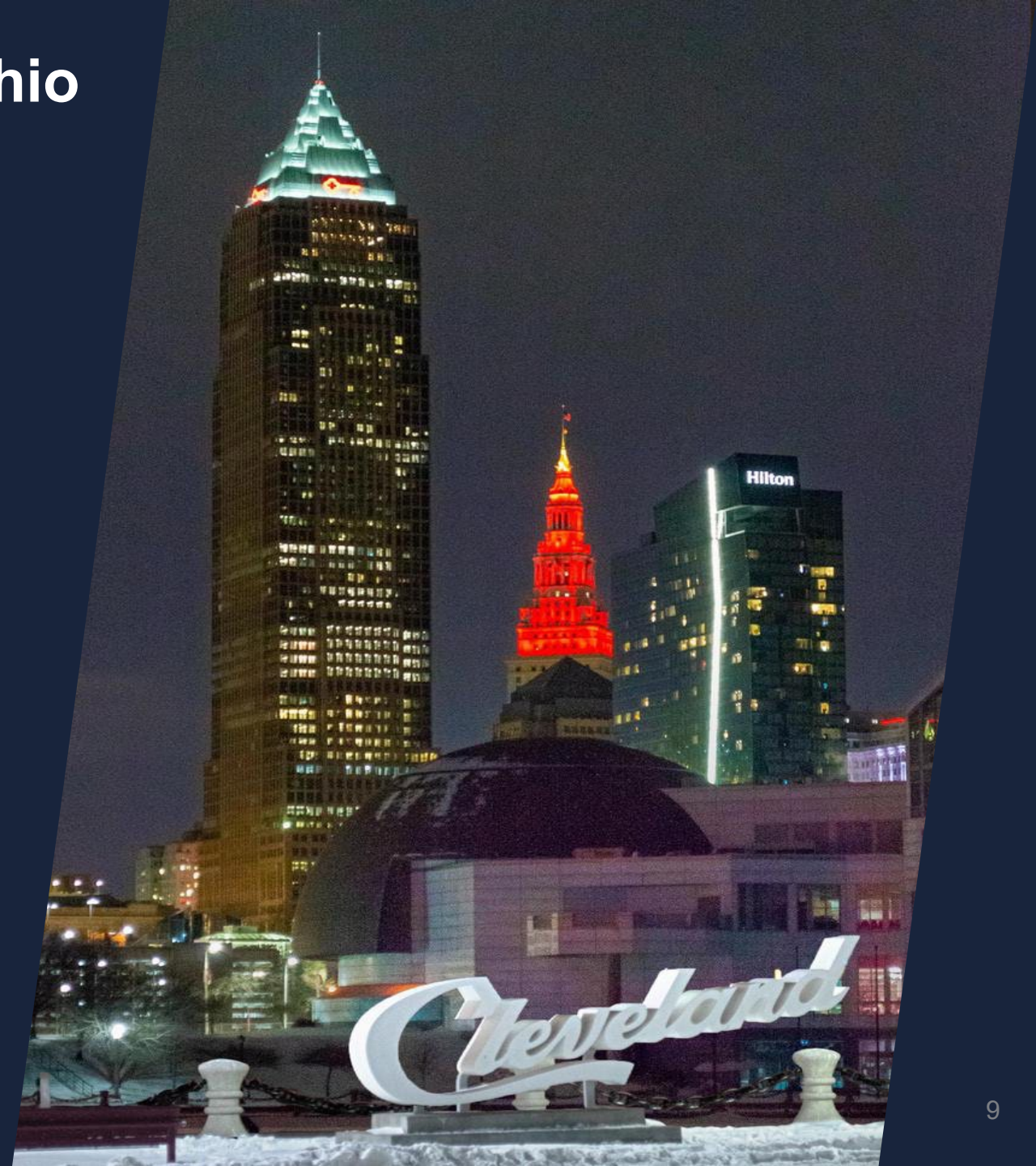
Skilled Craftsmen





# NASA Glenn Economic Impact in Ohio

- Overall economic impact exceeded **\$2 billion**
- **9,000+** jobs created and supported
- Increased labor income by nearly **\$842 million**
- Generated approximately **\$220 million** in local, state, and federal taxes
- 10 active licenses with Ohio businesses for Glenn-patented technology
- 55 active NASA contracts with Ohio small businesses for innovation and technology



# Biggest Changes and Challenges

## Changes

- New facilities
- Leasing under-utilized facilities
- Level 2 Program Office for Tech Transfer

## Challenges

- Budget uncertainty
- Uncertainty about future work assignments



New Aerospace Communications Facility

# Campus Transformation



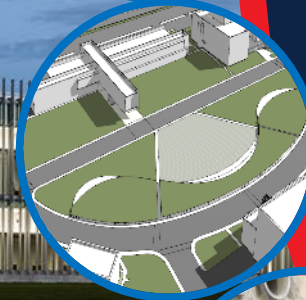
**Research Support Building**  
Offices and Center Support functions



**Aerospace Communications Facility**  
Communications Labs and Antennas



**Building 8 Demolition**  
"Reduce the Footprint" to enable future mission success



**Building 3 Consolidation**  
Consolidate administrative functions into campus center  
"Downtown Glenn"

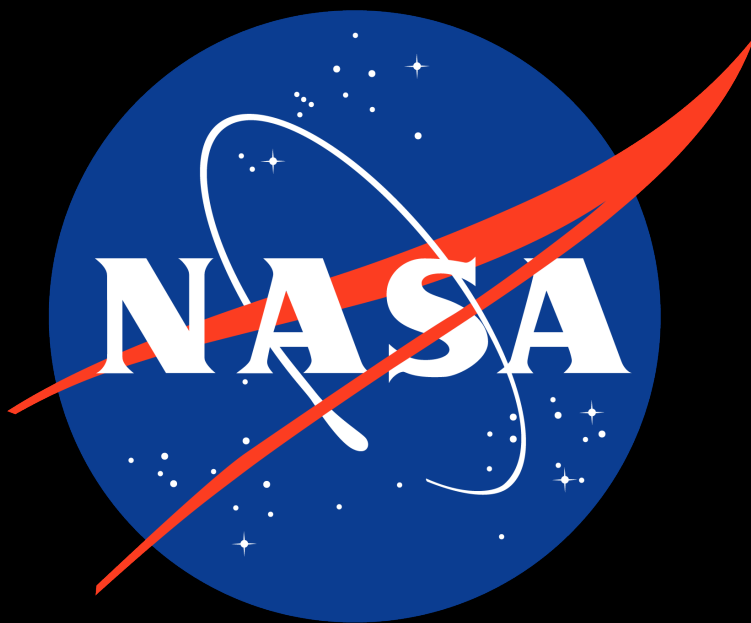


**Horizontal Infrastructure**  
Repair and replace our aging infrastructure

# Enhanced Use Lease (EUL)

- EUL – Allows space, aeronautics, and other related industry to use Glenn land and facilities in direct support of NASA's mission.





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