NASA's Ames Research Center
NASA's center in Silicon Valley

Ames Research Center, one of 10 NASA field centers, is located in California's Silicon Valley. For more than 80 years, Ames has been a leader in cutting-edge world class research and development.

Location: California's Silicon Valley, 1,900 acres of NASA property located on and adjacent to Moffett Federal Airfield; 40 miles south of San Francisco; 12 miles north of San Jose, between Mountain View and Sunnyvale.

Jobs: Approximately 3,200 on-site employees and contractors.

NASA California Economic Impact:
$4.5 billion procurement investment; 66,236 NASA jobs supported state-wide with total economic impact of $15.2 billion. (Source: NASA 2021 Economic Impact Report)

Established: Dec. 20, 1939, as part of the National Advisory Committee for Aeronautics (NACA); became part of NASA in 1958.

Missions: Ames' one-of-a-kind facilities and areas of expertise are vital to numerous NASA missions. These include Artemis and the pathfinding small satellite CAPSTONE, the International Space Station, James Webb Space Telescope, Mars Sample Return, Dragonfly, and HelioSwarm – to name a few. Ames is the lead center for NASA's first robotic lunar rover, VIPER (Volatiles Investigating Polar Exploration Rover), which will launch in 2024. The center continues to build on its 30-year expertise and leadership in air traffic management to advance aeronautics research and technologies.

NASA Research Park
NASA Ames hosts the NASA Research Park which includes major partners USGS, Carnegie Mellon University and University of California, Berkeley and numerous industry partners. NRP is a world-class shared use R&D hub for industry, academia, and non-profits partnered with NASA to meet mission needs.

Ames Technology:
Ames provides NASA with advancements in these core areas of expertise:

Air Traffic Management: *Transforming the way we fly and revolutionizing the way we use our airspace.*

Entry Systems: *Safely delivering spacecraft to Earth and other celestial bodies.*

Supercomputing: *Enabling NASA's advanced modeling and simulation.*

Intelligent / Adaptive Systems: *Enabling aviation and space missions with increasing autonomy and human-systems integration.*

Cost-effective Space Missions: *Enabling high-value science to low-Earth orbit and the Moon.*

Aerosciences: *Modeling and testing on the ground before we take to the sky and space.*

Astrobiology and Life Sciences: *Understanding life on Earth – and in space.*

Space and Earth Sciences: *Understanding our planet, the Moon, our solar system, and everything beyond.*

NASAfacts

Aerial view of NASA's Ames Research Center. The image was stitched together from four photos taken from a drone. Credit: NASA/Jonas Jonsson and Zachary Roberts