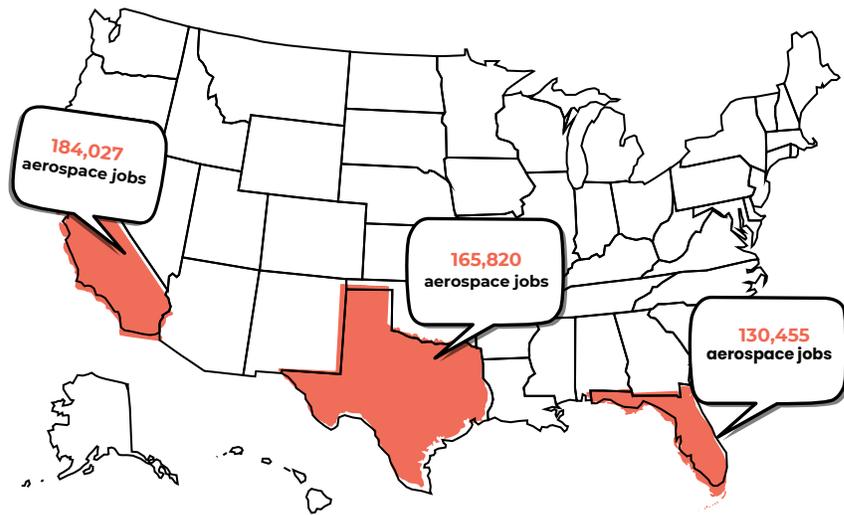


MAKING A TEXAS-SIZED IMPACT IN SPACE

\$1 trillion is at stake in space. Texas competes for the top spot.



Source: U.S. Bureau of Labor Statistics; 2023 Q3

Texans hold 12% of all the aerospace industry jobs nationwide, or around 165,000 jobs. **Morgan Stanley reports the sector is projected to grow into a \$1 trillion industry by 2040.** Texas is responding with new legislation and a new focus to organize for success in this new space race.

Texas' role in space

- There are more than **2,000 aerospace establishments** located across the state. (Bureau of Labor Statistics)
- Texas leads in aerospace manufacturing, with **18 of the 20 largest aerospace manufacturing companies** in the world operating in Texas.
- The average annual wage for Texas aerospace workers reached **\$100,000** in 2023. (Bureau of Labor Statistics)
- SpaceX invested more than **\$1 billion in its Boca Chica facility**, including over \$400 million for operations in 2021, according to the Brownsville Herald.
- Space Center Houston generates annually a **\$118.7 million economic impact, 1,710 jobs and \$53.7 million in personal income** in greater Houston, according to a 2018 study by Quanticon, LLC.

What's a spaceport?
A site capable of launching spacecraft into orbit around Earth or on interplanetary trajectories.



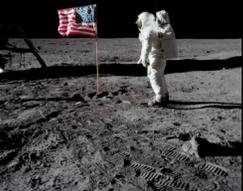
Source: Office of the Texas Governor

Our space history

For over 60 years, the Lone Star State has been at the forefront of space exploration, discovery and innovation as the home to NASA's Johnson Space Center. As the space industry opens to commercial/private investment, Texas must once again take center stage and expand its role as America's leader in space.

"The exploration of space will go ahead, whether we join in it or not."

-President John F. Kennedy, 1962



AEROSPACE IN TEXAS

Texas Space Commission

Governed by a nine-member board, the commission will work to strengthen Texas' proven leadership in civil, commercial and military aerospace activity by promoting innovation in the fields of space exploration and commercial aerospace opportunities. The Space Commission will administer \$150 million in state dollars appropriated to the Space Exploration and Aeronautics Research Fund.

TX Rep. Greg Bonnen and Sen. Joan Huffman proposed HB 3447 in the 88th Texas Legislature. The bill passed with strong bipartisan support, with 92% of the House and 93.5% of the Senate voting in favor.



The nine inaugural members include: Gwen Griffin of Houston, Kathy Lueders of Brownsville, John Shannon of Houston, Sarah "Sassie" Duggleby, Kirk Shireman of Pearland, Evan Loomis of Austin, Heather Wilson, Ph.D., of El Paso, Nancy Currie-Gregg, Ph.D., of College Station and Brad Morrison of Boerne.

Aerospace Research and Space Economy Consortium

This nine-member executive committee includes representatives from major university systems in the state. It will primarily serve to identify opportunities for research that promote development and commercial space activity in Texas.

The consortium will also make recommendations to the commission about the use of space-related funds and will be responsible for developing a strategic plan.

Space Satellites

As of March 2024, there were 9,494 satellites in various Earth orbits — nearly 2,000 were added in 2022 alone. This surge is largely due to the deployment of broadband, satellite-based internet services, with SpaceX regularly launching more than 50 satellites at a time.

Source: NanoAvionics



"Texas is the launchpad for Mars, innovating the technology that will colonize humanity's first new planet."

Gov. Greg Abbott



Next step: Mars

NASA expects exploration of the moon to eventually extend to Mars. Extraterrestrial samples returned to Earth from Mars will be curated in new facilities adjacent to the Johnson Space Center.

Educating our future space workforce

The future of space depends on workforce development. Texas universities play a key role in generating the talent needed to drive growth of the industry.



Did you know?

The Texas A&M University System will develop a facility to enable human spaceflight research and development that enables the commercial space economy.

In implementing HB 3447, \$200 million was appropriated for construction of research facilities adjacent to the Johnson Space Center called Exploration Park.

Why space matters?

Space research and technology has not only inspired innovation in the stars but also on Earth. Some tech we benefit from today includes GPS, AI, VR, robotics, medicine, foam mattresses, scratch-resistant contact lenses and more!



Dive deeper into the data.



texas2036.org/space