

**Here, innovation and
tradition are on the
same plane.**



**Uncommon
Thinkers
Welcome**

Home to the largest aerospace supply chain in the United States

Greater Seattle leads the way in commercial aerospace innovation with a rich ecosystem of companies and talent that has evolved over more than a century of research, development and manufacturing. This pioneering spirit nurtures an environment at the intersection of aerospace and technology unlike anywhere else on Earth.

Strength in Numbers

AEROSPACE

Economic Impact	\$29.7B
Direct Jobs	102,000

TECHNOLOGY

Economic Impact	\$135B
Direct Jobs	273,000



Leading Aerospace Companies in Greater Seattle



Aerogjet Rocketdyne
Astronics Advanced Electronic Systems
Aviation Technical Services, Inc.
Boeing
Cobalt Enterprises
Collins Aerospace
Crane Aerospace & Electronics
Electroimpact
General Dynamics
Jamco America, Inc.
Korry Electronics
magnIX
MTM Robotics
Onamac Industries
Safran
SpaceX
ZeroAvia

Aero-Plastics Inc.
AeroTEC
Air Informatics
Alaska Airlines
Amazon Web Services
BlackSky
Boeing
Boyd Corporation
Blue Origin, LLC.
Cascade Gasket & Manufacturing Company, Inc.
Exotic Metals Forming
Gladiator Technologies
Hexcel Corporation
Honeywell Aerospace
Pioneer Industries
Renton Coil Spring Company
Stratolaunch Systems Corporation
Taqtile
Tethers Unlimited
TLG Aerospace, LLC.
Machinists, Inc.
Microsoft
RBC Signals

Boeing
Cadence Aerospace – Precision Machine Works
Composite Solutions Corporation
General Plastics Manufacturing Company
GKN Aerospace
Heatcon Composite Systems
Honeywell Aerospace
LMI Aerospace, Inc.
Orion Industries
Saint-Gobain Performance Plastics
Sekisui Aerospace
Skills, Inc.
Steel Aerospace
P&J Machining
P.M. Testing Laboratory, Inc.
Tool Gauge
Toray Composite Materials America, Inc.
Zeva Aero

From Boeing to Blue Origin, our pioneering spirit has revolutionized commercial air travel, space exploration and satellite communications.

Greater Seattle

900+ aerospace-related companies employing 99,000+ people.

Washington State

1,300+ aerospace-related companies employing 112,000+ people.

In the Space Race, Greater Seattle is a Global Leader



**There are more than 90 space companies
in the Greater Seattle region.**



Aerojet Rocketdyne recently received a \$67 million contract award from Lockheed Martin to provide propulsion systems for the Orion spacecraft.



Amazon's Project Kuiper has secured the largest commercial procurement of launch vehicles for its satellite constellation in history.

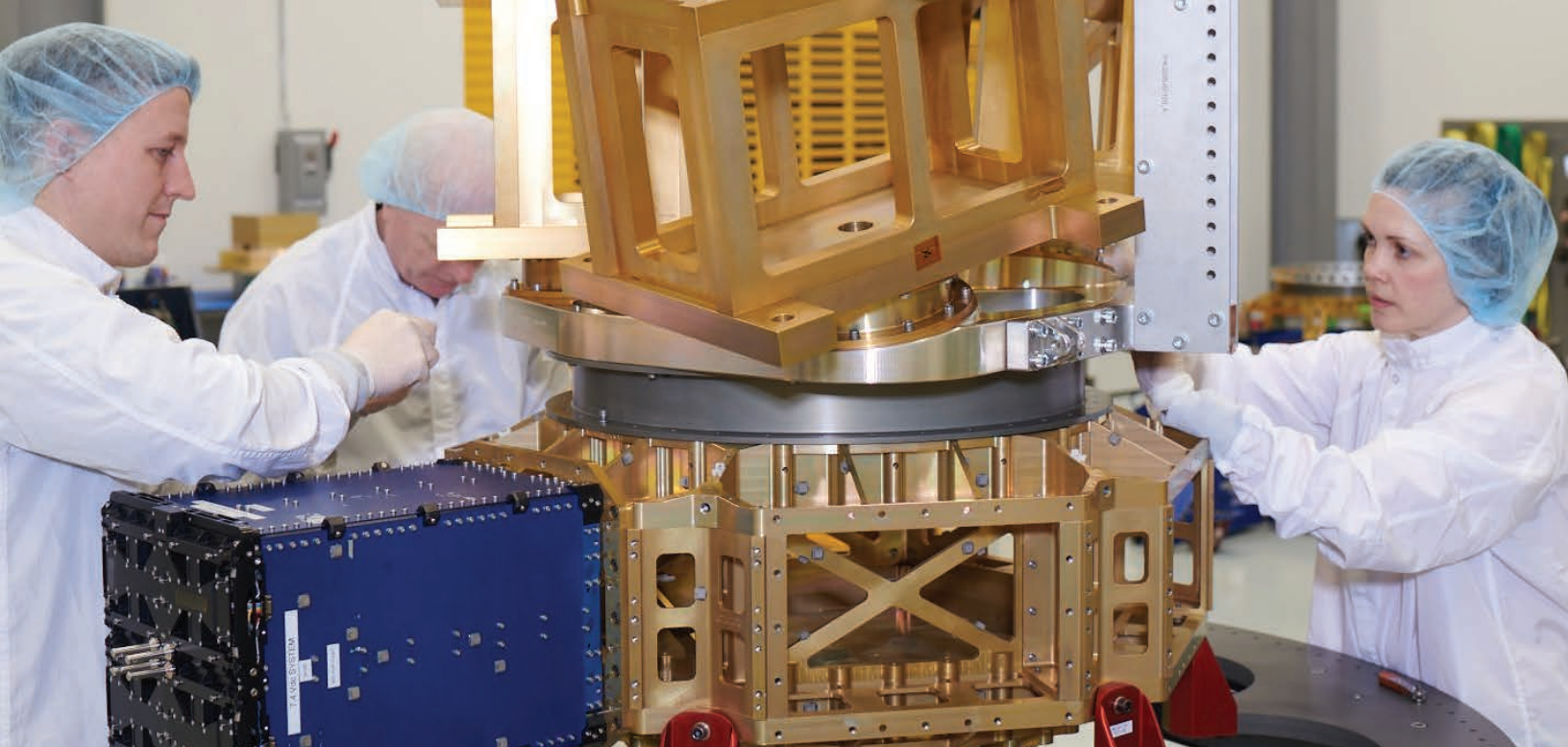


BlackSky revenues are up 92% over last year with a strong trend of multi-year contract wins valued up to \$1.3 billion.



Microsoft Azure Space is the platform and ecosystem of choice for the mission needs of the space community and beyond.





Greater Seattle is Satellite Central

More than half of all operational satellites in orbit are manufactured in Washington State.



▼
NASA has selected **Blue Origin** to develop a lunar lander to transport astronauts on Artemis missions. The value of the fixed-price award is \$3.4 billion.

▼
SpaceX Starlink has surpassed 4,000 satellites and 1.5 million subscribers.

▼
Stoke Space has received repeated investments from the venture arm for the U.S. intelligence community.







Image Credit: Blue Origin

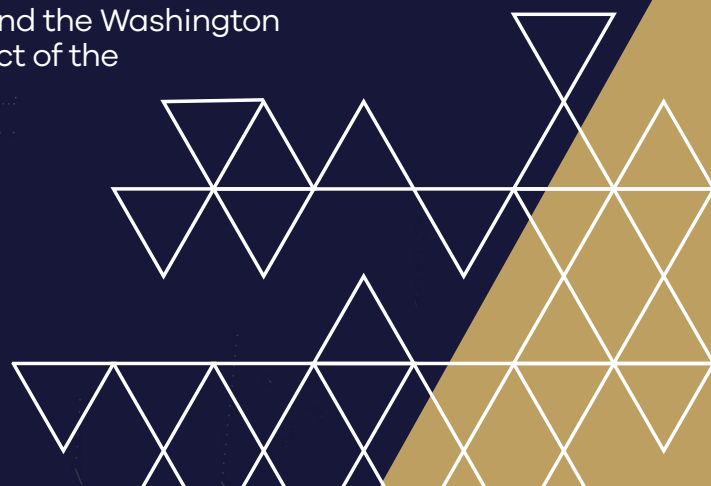
Commercial Space Economy

The Greater Seattle space economy has more than doubled in four years given longstanding activity in the aerospace sector, high-tech manufacturing resources, information technology assets, and a strong pool of talent.

This robust ecosystem supports the development of spacecraft and launch vehicles, propulsion systems, cloud computing and many other space-related products and services.

According to the Puget Sound Regional Council and the Washington State Space Coalition, the overall economic impact of the region's core space economy is

\$4.6 Billion
annually supporting
more than 13,000 jobs.



▼ Since its initial flights in 2012, the **Boeing ecoDemonstrator** program has tested more than 250 technologies to help decarbonize aviation, improve operational efficiency and enhance safety and the passenger experience. Approximately a third of tested technologies have progressed onto Boeing's products and services.



Sustainable Innovation for the Future



▲ The new **Research and Development Center for Sustainable Aviation Fuels (SAF)** at Paine Field is the world's first facility of its kind to collect, sample, and distribute SAF at a scale needed for widespread use in planes, including the largest aircraft.



▲ Greater Seattle-based **AeroTEC** and **magnix** recently joined Universal Hydrogen and Plug Power in announcing the creation of a Hydrogen Aviation Test and Service Center in Washington State, cementing the region as a leader in decarbonizing aviation.



◀ Co-led by **Washington State University** and the Massachusetts Institute of Technology, **ASCENT** – the Aviation Sustainability Center – is a cooperative aviation research organization funded by the FAA, NASA, the Department of Defense, Transport Canada, and the Environmental Protection Agency. ASCENT works to create science-based solutions for the aviation industry's biggest challenges.



► Washington passed a new law that creates a **per-gallon incentive for SAF** with lifecycle greenhouse gas emissions that are at least 50 percent lower than traditional jet fuel. The incentive increases for each one percent reduction in lifecycle greenhouse gas beyond 50 percent, up to a potential incentive of \$2 per gallon.

► The **Boeing “Cascade” Climate Impact Model** is a tool that identifies the effects of a range of sustainability solutions to reduce aviation’s carbon emissions.

► **SkyNRG** has chosen Washington state for a new \$800M sustainable aviation fuel plant to produce about 30 million gallons of SAF per year.



▲ Eviation Alice successfully completed its first flight of its electric aircraft in Washington State. It is a nine-passenger electric aircraft – the only flight-proven all-electric commuter aircraft of its size. It is built around magniX’s industry-leading electric propulsion system, which is also based in Greater Seattle in Arlington, WA.

▼ The **largest hydrogen-powered commercial aircraft** is being developed in Greater Seattle. **Alaska Airlines** recently presented a Bombardier Q400 regional turboprop to ZeroAvia in Everett, WA that will be retrofitted with a hydrogen-electric propulsion system in an effort to expand the reach and applicability of zero emissions flight technology.



The Talent to Take Flight

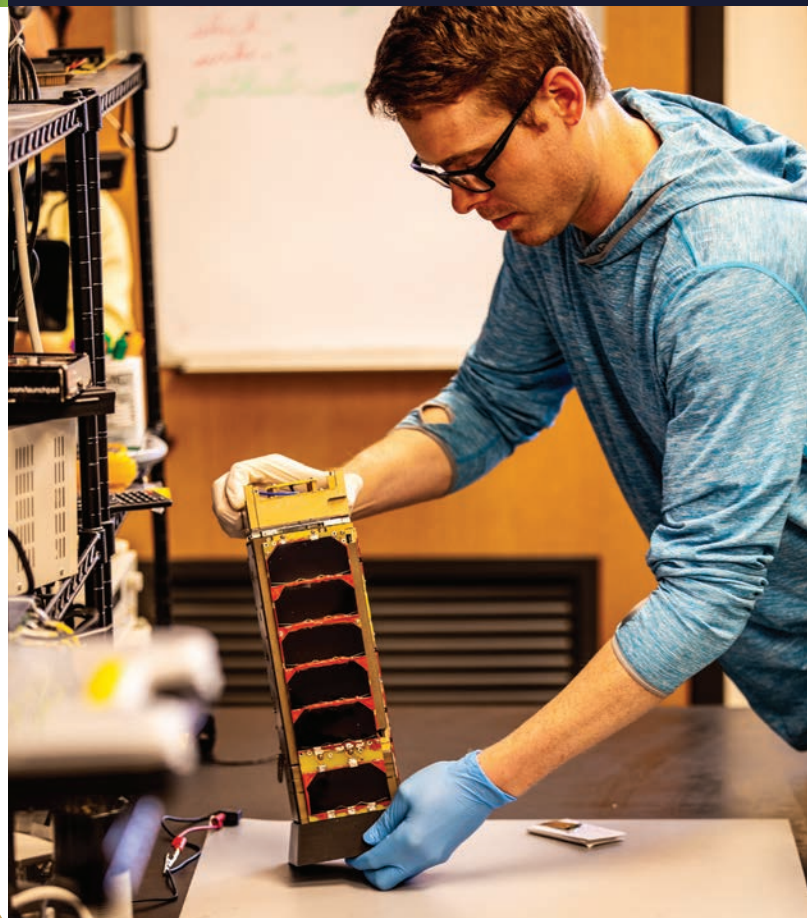
The metropolitan area of Greater Seattle has the second highest employment level in Aerospace Engineers in the nation, according to the Bureau of Labor Statistics (May, 2022). Several key programs continue to bolster the talent pipeline.



The William D. Ruckelshaus Center, a collaboration between the University of Washington and Washington State University, is working on aviation biofuels, and the development of sustainable aviation.

The Aerospace Joint Apprenticeship Committee (AJAC) provides apprenticeships and cutting-edge curriculum for the aerospace and advanced manufacturing workforce.

The Center of Excellence for Aerospace and Advanced Manufacturing is a statewide resource representing the interests of the aerospace and advanced manufacturing industry, and labor partners, within the Washington State Community and Technical College system.



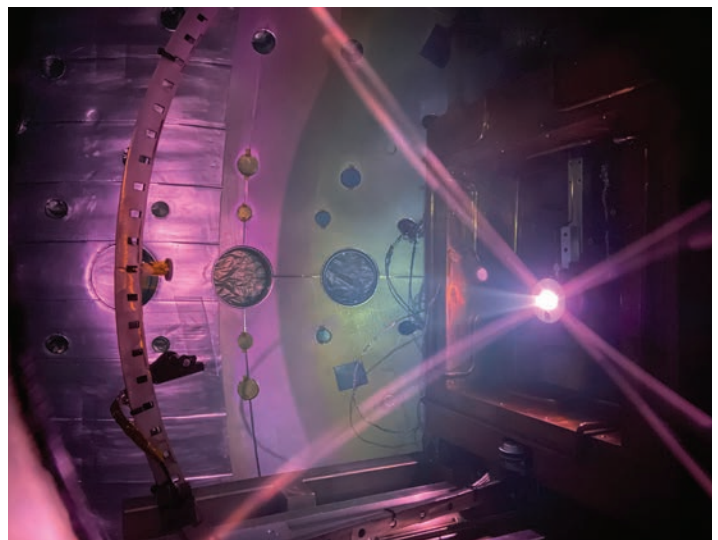


The Paul G. Allen School of Computer Science & Engineering is consistently ranked among the top computer science programs in the nation.

The University of Washington's William E. Boeing Department of Aeronautics & Astronautics offers the only aerospace degree program in the Pacific Northwest.

The University of Washington's College of Engineering is a national leader in educating engineers and each year turns out new discoveries, inventions and top-flight graduates.

Located in Everett, the **Washington Aerospace Training & Research (WATR) Center** offers five specialty programs that meet the demands of the fast-paced aerospace industry.





If you're driven by big ideas like Boeing, come join us.

- ▶ Washington has been at the center of aviation since 1916, when Bill Boeing founded the airplane company in a shipyard in Seattle.
- ▶ Today, Boeing works with more than 1,000 suppliers across Greater Seattle and Washington State and contributes to an estimated 205,000 direct and indirect jobs.
- ▶ Boeing has major facilities located in Auburn, Everett, Frederickson, Kent, Renton and beyond.
- ▶ The Boeing Everett Factory is the largest building in the world by volume.
- ▶ The Composite Wing Center (CWC) encompasses more than 27 acres under one roof – the equivalent to 25 football fields – and contains three of the world's largest autoclaves.



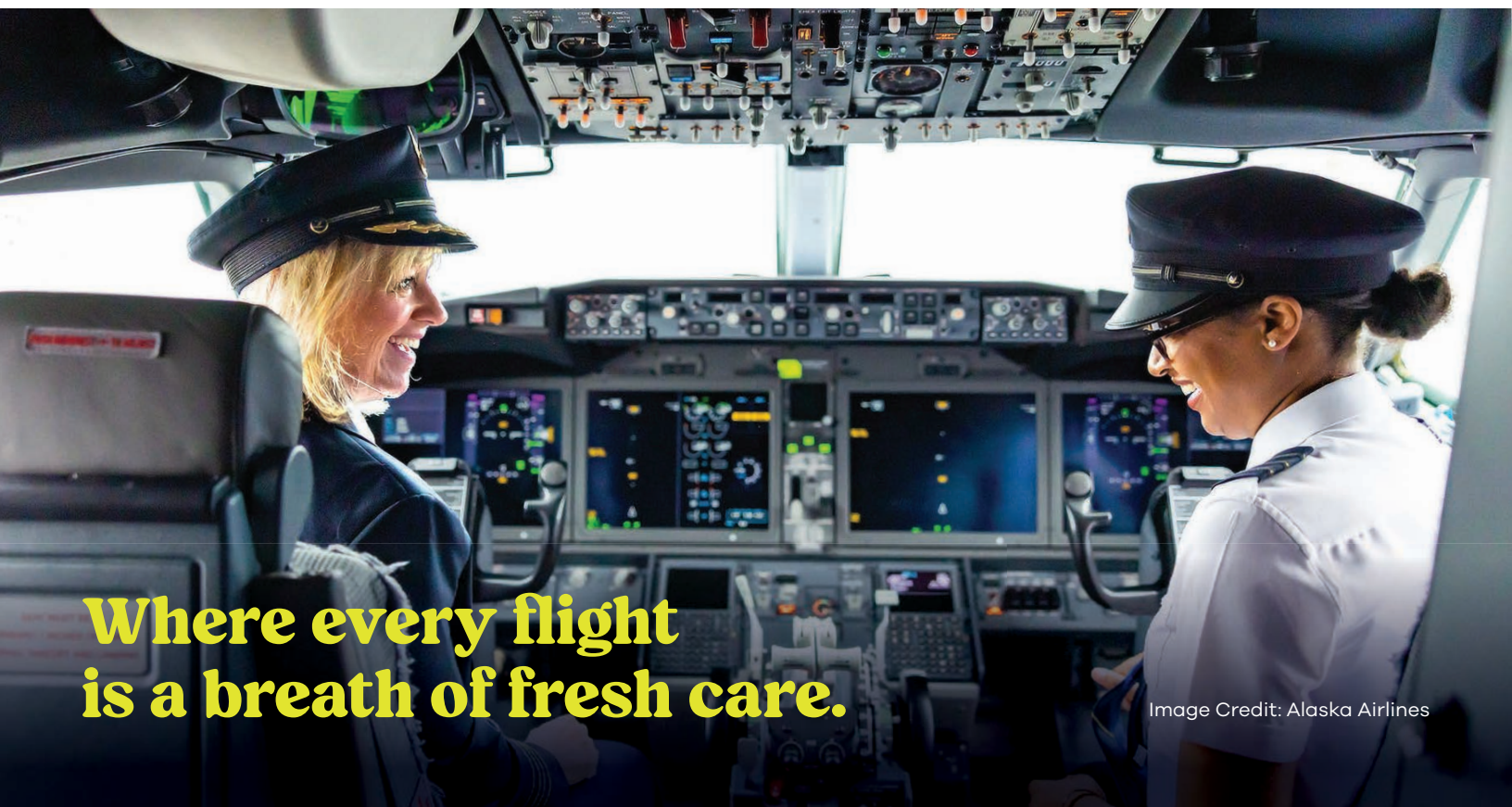


We've Got Connections

▲ The new, expanded **International Arrivals Facility (IAF) at Seattle-Tacoma International Airport** is the most complex capital development program in the history of the airport. It significantly enhances the international passenger experience, advances the Puget Sound region as a leading tourism and business gateway, and serves the traveling public well into the future.



◀ The all-new **Passenger Terminal at Paine Field in Everett (PAE)** offers travelers from Seattle and Northwest Washington a time-saving choice for commercial air flights throughout the western U.S. The terminal's ease of use and close proximity to the Port of Everett, the I-5 interstate and available industrial land makes it an ideal choice for leading aerospace companies.



**Where every flight
is a breath of fresh care.**

Image Credit: Alaska Airlines

We have deep draft ports with a few local krakens.



Image Credit: Port of Seattle

Deliver to the World



\$84 Billion In Aerospace Exports

Greater Seattle is home to three deep water ports, and the fifth-largest container gateway in North America. This robust supply chain helped to deliver more than \$84 billion in aerospace exports around the world over the last five years. (WiserTrade, 2023)



Washington-built P-8A Poseidon Aircraft



Greater Seattle Partners (GSP) is a public-private partnership that leads regional economic development through global business attraction, site selection and investment and trade opportunities.

For more information about our region
visit greater-seattle.com/aerospace. ✈️ 🛩️ 🛡️ 📡 🚀

