



## About

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Boom Supersonic is transforming air travel with Overture, the world's fastest airliner, optimized for speed, safety, and sustainability. Serving both civil and government markets, Overture will fly at twice the speed of today's airliners and is designed to run on 100% sustainable aviation fuel (SAF). Overture's order book, including purchases and options from American Airlines, United Airlines, and Japan Airlines, stands at 130 aircraft. Boom is working with Northrop Grumman for government and defense applications of Overture. Suppliers and partners collaborating with Boom on the Overture program include Collins Aerospace, Eaton, Safran Landing Systems, the United States Air Force, American Express, Climeworks, and AWS.

For more information, visit <https://boomsupersonic.com>

**Founder & CEO:** Blake Scholl

**Year Founded:** 2014

**Headquarters:** Denver, CO

**Manufacturing Site:** Greensboro, NC

**Funding:** \$270 million as of 5/1/2021

**Select Investors:** Bessemer Ventures, Prime Movers Lab, Emerson Collective, Celesta Capital, American Express

**Customers:** American Airlines, United Airlines, Japan Airlines, United States Air Force

## Aircraft

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### Overture

The fastest airliner, optimized for speed, safety, and sustainability.



#### Overture Milestones:

2025 Rollout

2026 First flight

2029 Passenger flights

**Capacity:** 65-80 passengers

**Sustainability:** Net-zero carbon

**Cruising Altitude:** 60,000 feet

**Routes:** 600+

**Length:** 201 feet

**Wingspan:** 106 feet

**Speed:** Mach 1.7

**Range:** 4250 NM (4888 miles)

## Aircraft

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### XB-1

**What:** The world's first independently developed supersonic jet.

**Purpose:** A "demonstrator" airplane, XB-1 is a piloted test aircraft built to prove key technologies and materials for efficient supersonic flight.

**Engine:** 3 GE J85-15 Engines

**Length:** 71 feet

**Rollout:** October 7, 2020

**Ground testing:** 2021

**Flight testing:** 2022

## Customers

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### Airlines:

Overture's commercial order book, including purchases and options from American Airlines, United Airlines and Japan Airlines, stands at 130 aircraft.

### Government:

Boom and the United States Air Force are developing custom Overture configurations for government executive transport.

## Suppliers and Partners

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### Northrop Grumman

Northrop Grumman is partnering with Boom to adapt Overture for government and military missions. Together, the two aerospace companies will explore new use cases for the U.S. government and its allies.

### Collins Aerospace

Boom and Collins are collaborating on major aircraft systems for Overture including Ice Protection and Air Data Systems.

### Safran Landing Systems

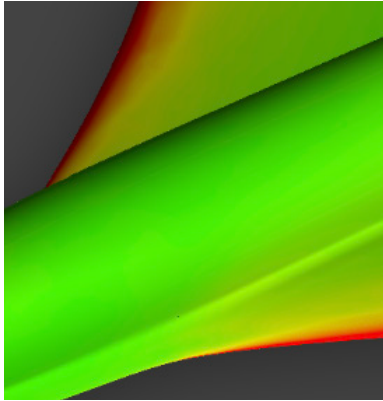
Safran Landing Systems is collaborating with Boom to co-develop landing systems for Overture.

### Eaton

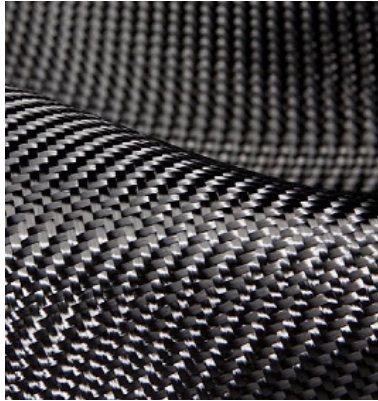
Together, Boom and Eaton are developing the Overture fuel distribution, measurement and inerting systems.

## Technology

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**Aerodynamics:** Through a combination of computer simulations and wind-tunnel testing, the designs of Overture and XB-1 balance low-speed stability with high-speed efficiency.



**Materials:** Overture and XB-1 feature advanced, thermally-stable carbon composite airframes, which are easier to fabricate and maximize fuel efficiency.



**Propulsion:** The state-of-the-art inlets on both Overture and XB-1 provide stable, consistent airflow to the engines across a variety of speeds and conditions.

## Manufacturing

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Boom will assemble, build and flight test Overture aircraft at the Overture Superfactory located at the Piedmont Triad International Airport in Greensboro, North Carolina.

**Economic impact:** \$32B over 20 years

**Jobs created:** 2400+ by 2032

**Facility size:** Approximately 400,000 square feet on 65 acres

**Ground breaking:** 2022

## Sustainability

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**Commitments and Affiliations:** Boom is a member of key organizations bringing together leaders from business, government, and nonprofit to protect the planet.



### Carbon Neutral in 2021

Accounting for emissions across scopes 1, 2, and 3, Boom achieved carbon neutrality in 2021 through greenhouse gas (GHG) emissions reduction initiatives and high-quality carbon credits.

### Net Zero by 2025

Boom strives to be an industry leader in setting carbon reduction targets and is targeting net zero carbon by 2025.

### Advancing SAF

Boom takes a two-pronged approach to advance SAF: Participating in industry efforts to rapidly scale drop-in 100% SAF, and accelerating the development of future pathways and fuel specifications that will provide greater long-term benefits.

### Partnering for Impact

Boom's approach to sustainability is based on partnering for systems change: mobilizing value and supply chains, collaborating with stakeholders across the global travel ecosystems, and leading advocacy to set new standards for aviation and travel.

### Takeoff and Landing Noise

Overture is designed with the latest noise-reducing technologies, ensuring no increase to existing noise contours. The overall impact of Overture on airport communities will be similar to the long-haul aircraft it replaces.

### Sonic Boom

Overture will only fly at supersonic speeds over the ocean, eliminating community exposure to sonic booms.

### Leading Sustainable Travel

Convening industry leaders and sustainability experts to collaborate on sustainable travel solutions through the Sustainable Travel Forum and its annual Net Good Summit.



## The team

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Our leaders come from major aerospace companies, Fortune 500 companies, and world-changing startups: Boeing, Gulfstream, Yahoo, Peloton, GE, Amazon, and more.

Our team has contributed to over 300 air and spacecraft programs and includes:

- 30 licensed pilots
- 30+ U.S. patents
- 17 company founders
- 50+ contributors to supersonic programs

Our Board of Directors and Advisory Council comprise diverse leaders from Lockheed Martin, Boeing, FAA, IDEO, Waymo, Square Capital, and the Department of Defense.

## Contact

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