

About

Boom Supersonic is redefining commercial flight by bringing supersonic flight back to the skies with Overture. Boom's vision is to bring families, businesses, and cultures closer together through supersonic travel and make the world dramatically more accessible.

Founder & CEO: Blake Scholl

Year Founded: 2014

Headquarters: Denver, CO

Funding: (as of 4/30/20) \$160 million

Investors: Emerson Collective, Y Combinator Continuity, Caffeinated Capital, and SV Angel

Preorders: Japan Airlines (20 aircraft) and Virgin Group (10 aircraft)

Aircraft



XB-1

What: A one-third scale demonstrator airplane for Overture and a critical step toward commercial supersonic travel

Purpose: XB-1 will prove the key technologies for safe, efficient, and sustainable travel at supersonic speeds

Engine: 3 GE J85-15 Engines

Rollout: October 7, 2020

Flight testing: 2021



Overture

What: The world's fastest airliner, designed and committed to industry-leading standards of speed, safety, and sustainability

Routes: More than 500 transoceanic routes

Sustainability: 100% SAF fuel capability

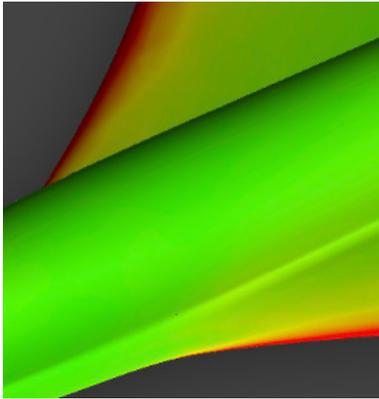
Ticket price: Fares similar to today's long-haul business class

Sale price: \$200 million, plus options and interior

Flight testing: Mid 2020's

Passenger flights: By 2030

Technology & Certification



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



Materials: Featuring advanced thermally stable carbon-composite airframes, XB-1 and Overture are easier to fabricate and lighter than aluminum, maximizing fuel efficiency.



Propulsion: Using a state-of-the-art inlet, both XB-1 and Overture provide stable, consistent airflow for its engines across a variety of speeds and conditions.

FAA Certified: Every element of XB-1 and Overture has already been certified by the FAA in other contexts.

Customers

Airlines flying long, transoceanic routes compete fiercely to differentiate themselves from the competition. Offering supersonic service gives airlines a demonstrably superior product: flights twice as fast.

Benefits to airlines include:

- Increased business-class revenue
- New fliers
- Positioning of the airline's brand as a leading innovator
- Increased aircraft utilization and number of potential flights per year

Environment & Noise

Alternative Fuels: Overture will accommodate use of 100% drop-in sustainable alternative fuels (SAF).

Carbon-Neutral Growth: Boom supports the UN's existing CORSIA framework, aviation's historic climate agreement, which states that all growth in international aviation emissions from 2020 will be offset, whether subsonic or supersonic. Boom accounts for this in Overture's economics, ensuring the airplane can be both sustainable and profitable to operate. More travel and no new net emissions is an unequivocal win for humanity.

Takeoff/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.

The team

Boom brought together a highly accomplished team who is dedicated to making the world dramatically more accessible.

- Contributions to over 220 air and spacecraft programs
- 30 licensed pilots
- 13 hold at least 1 U.S. patent
- 17 founded a company
- 24 worked on space programs

Contact

Media Contact: Aubrey Lerche, press@boomsupersonic.com

Website: boomsupersonic.com

FAQ: <https://boomsupersonic.com/contact#faq-section>

Facebook: @boomsupersonic

Twitter: @boomaero

LinkedIn: Boom Supersonic

Medium: @boomsupersonic