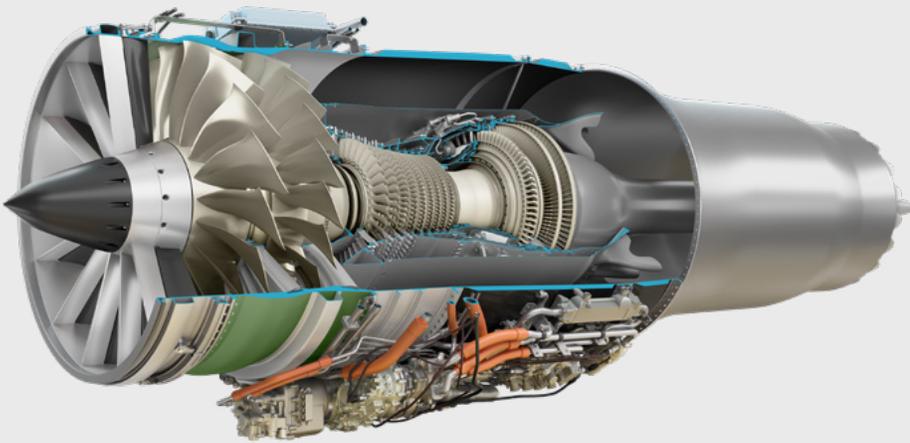




GE's Affinity™

Supersonic turbofan



A new class of propulsion for supersonic time transport

Designed with unrivalled commercial and military grade technologies for supersonic and transonic mission capability, GE's Affinity™ engine provides best-in-class range capability for high speed travel performance with a blend of mature and advanced technologies for high reliability and optimized cost of ownership.

The Affinity engine is built on technologies proven and refined from GE's unrivaled commercial engine core expertise. The engine employs design features and lessons learned from GE's supersonic military engines while pulling features from GE's Passport™ business jet engine

such as the front fan blisks and slimline composite core ducting. Combined with a proprietary, non-augmented exhaust system, this twin-axial flow turbofan is controlled by a next-generation digital engine control unit for enhanced dispatchability and fault isolation diagnostics.

The Affinity is designed to meet the requirements of a modern supersonic commercial engine with super cruise capability, compliant noise, and high reliability.



Integrating proven military supersonic engine experience, commercial reliability, and the most advanced business jet engine technologies



Sustained super cruise

Optimized for prolong high speed use.
Durable hot and harsh combustors and advanced coatings for turbine section.
Slim high-altitude design.



Operability redefined

Performance throughout the flight envelope with a high-altitude service ceiling of 60,000 feet.



Noise compliant

Acoustically treated throughout, the Affinity is designed to meet or exceed regulatory requirements.



GE's Affinity

Takeoff thrust rating

16,000 lbs - 20,000 lbs

