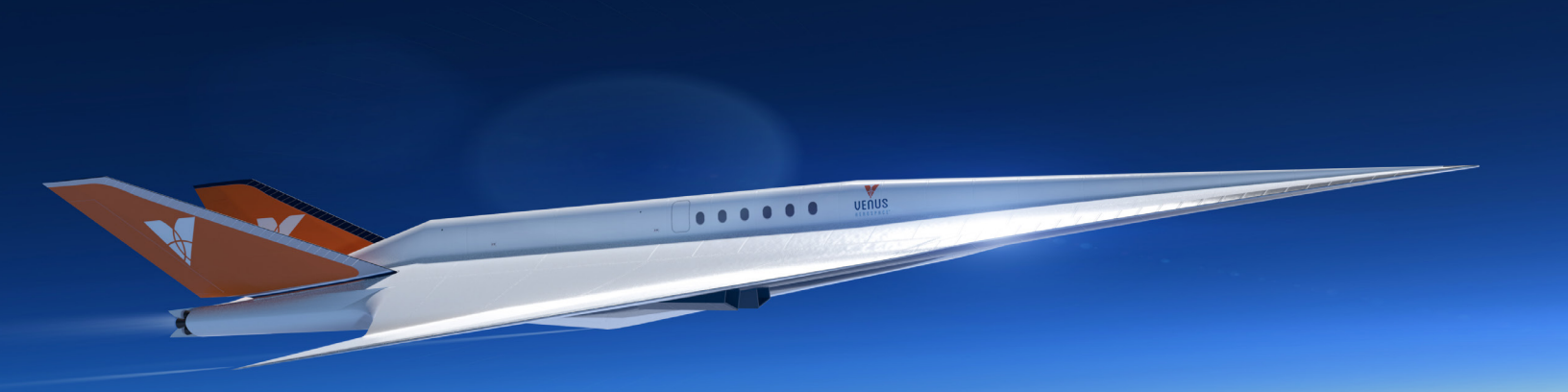

ONE-HOUR GLOBAL FLIGHT CONNECTS THE WORLD AND MAKES IT SAFER

THE FUTURE OF HYPERSONIC FLIGHT

Venus Aerospace's Stargazer™ will take off from a primary airport with jet engines, then, when away from city-center, our rocket engine will accelerate passengers gently to 170,000 feet. San Francisco to Japan, Houston to London, and beyond—all within a single hour.

TOP SPEED
Mach 9

RANGE
5K Miles

TURNAROUND
2 Hours

CONVENIENCE
Airport Takeoff & Landing

CAPACITY
12 Passengers or 8,000 lbs

VENUS AEROSPACE®

POWERING THE FUTURE OF HYPERSONIC FLIGHT

WORLD'S MOST EFFICIENT ROCKET ENGINE

Venus Aerospace is using the Rotating Detonation Rocket Engine (RDRE) to construct the world's fastest reusable hypersonic systems. Through our groundbreaking efforts, we have successfully developed, built, and rigorously tested the world's first liquid, storable propellant fueled RDRE.

Our engine is 15% more fuel efficient than existing systems, enabling hypersonic flights to travel faster and farther. With speeds reaching Mach 9, Venus's RDRE has applications in Moon and Mars landers, interplanetary spacecraft, launch vehicles, and more, shaping the future of transportation.

VENUS AEROSPACE®