



COMPANY OVERVIEW

Hypersonix is an Australian design and manufacturer of hypersonic aircraft and scramjet propulsion technologies. Hypersonix are revolutionising the future of atmospheric flight and access to space by bringing aircraft like capabilities to satellite launch and high speed flight. Our portfolio includes hypersonic flight test platforms, hypersonic ISR, airbreathing access to space launch systems and a hypersonic digital twin.

CAPABILITIES

- **Hypersonic Test & Evaluation**
Turn-key hypersonic flight test service using Hypersonix's flight platforms, for technology development, flight validation and defence capability testing.
- **Scramjet propulsion**
SPARTAN – the world's only reusable, hydrogen fuelled, fixed geometry scramjet designed to operate from Mach 5 to Mach 12
- **Hypersonic UAV portfolio** – powered by SPARTAN
 - **DART** – Single use multi-mission hypersonic test platform. Mach 7. First launch 2025.
 - **VISR** – Reusable multi-mission hypersonic flyer (test platform, ISR). Mach 7-10.
 - **Delta Velos** – multi-stage responsive satellite launch system. Constellation refurbishment, precision insertion, rapid response time, high cadence, Mach 10+
- Key partnerships with advanced manufacturers in Australia, USA and Europe

DISCRIMINATORS

- **Simple** — Airbreathing propulsion with no moving parts.
- **Faster** — Hydrogen fuelled for higher Mach.
- **Scalable** — 3D printable scramjet engine.
- **Proven** — More than 100 ground tests, hypersonic flight proven scramjet.
- **Unique** — Boost-glide-power capable hypersonic flyers.

KEY CUSTOMERS

- US Defense Innovation Unit (HyCAT program)
- Kratos Space & Missile Defense Systems, Inc.
- United Kingdom Ministry of Defence (HTCDF program)

KEY PARTNERSHIPS

- Government
- Defence
- Industry Primes
- Technology partners

QUALITY ACCREDITATIONS AND AWARDS

- 2023 Australian Space Award
- 2023 Consensus Innovation Award
- 2023 Indo Pacific Innovation Award
- 2023 Endeavour Award
- 2023 Australian Technology Competition
- 2023 AU Manufacturing 50 most innovative companies
- 2024 Defence & National Security Workforce Award
- 2024 LinkedIn Top 20 Australian Startups

CONTACT DETAILS

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