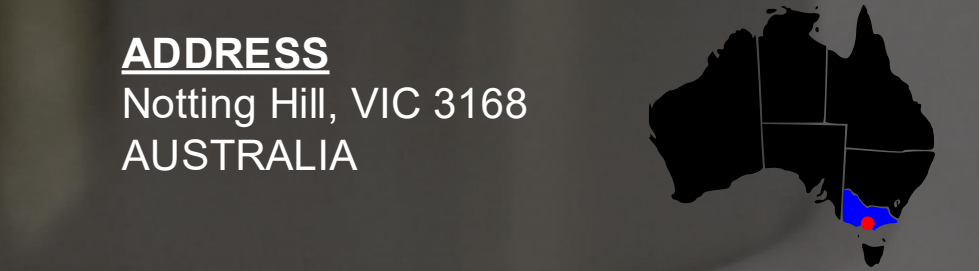


Kite Magnetics is an **Australian manufacturer of ultra-high-efficiency electric motor and generator stator cores**, leveraging unique, **patented nanocrystalline magnetic materials technology**.

Developed at Monash University, this world-leading technology enables significantly longer endurance, greater payload capacity, and increased onboard power generation for uncrewed platforms.

Founded in 2022, Kite Magnetics is a privately owned, venture-backed company positioned at the forefront of next-generation electric propulsion systems.



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**CAPABILITY**

- Sovereign manufacturing of in-house stator cores using patented nanocrystalline magnetic material for electric motors in a range of applications, across airborne or naval platforms.
- Ultra-low core losses, high permeability, excellent thermal stability and higher reliability.
- Stator core manufacturing to meet customer motor specifications.
- Direct replacement for electric steel alloy: No motor redesign needed
- Flexibility in stator core sizes to suit various motors, generators and alternators.
- Enables new system trades for critical requirements.

**DISCRIMINATORS**

- World’s highest performance stator core material
- Significant motor efficiency gains, enabling greater payloads, increased endurance and reductions in thermal signatures
- Australian-manufactured electric motor stator cores
- Lightweight & High-Power Density Motors
- High-Reliability Systems
- Small to High-volume Manufacturing
- In-house testing facilities available to support verification and validation

**PARTNERS**



**ACCREDITATION PATHWAY**



**MEMBERSHIPS**



**97%** Reduction in core loss compared to existing Fe-Si alloys

**+20%** Greater endurance without compromising power density or requiring system redesign