

ROBUST.
RELIABLE.
PROVEN.

TACTICAL INERTIAL SENSORS



PEDIGREE

In high-stakes environments, operational success demands precision, robustness and reliability. Our sensor technology provides the field-proven foundation for the defence sector's most critical systems. With a rich history of industry-first deployments and millions of units delivered worldwide, we ensure flawless stabilisation, pointing, guidance and navigation across a range of battlespaces.

FIRST

MEMS IMU IN MILITARY SERVICE

Our high-performance sensors served as the foundational technology for the first MEMS IMU ever qualified and deployed in active military service.

ENABLING

MISSILE & MUNITIONS GUIDANCE

Engineered for tactical environments, our sensor technology was selected to power the world's first MEMS IMU designed for modern missile and munition systems.

1,000,000+

SENSORS DELIVERED TO GLOBAL DEFENCE

Over 1,000,000 high-end sensors delivered to defence primes and militaries worldwide, our production capability matches our uncompromising commitment to quality and mission success.

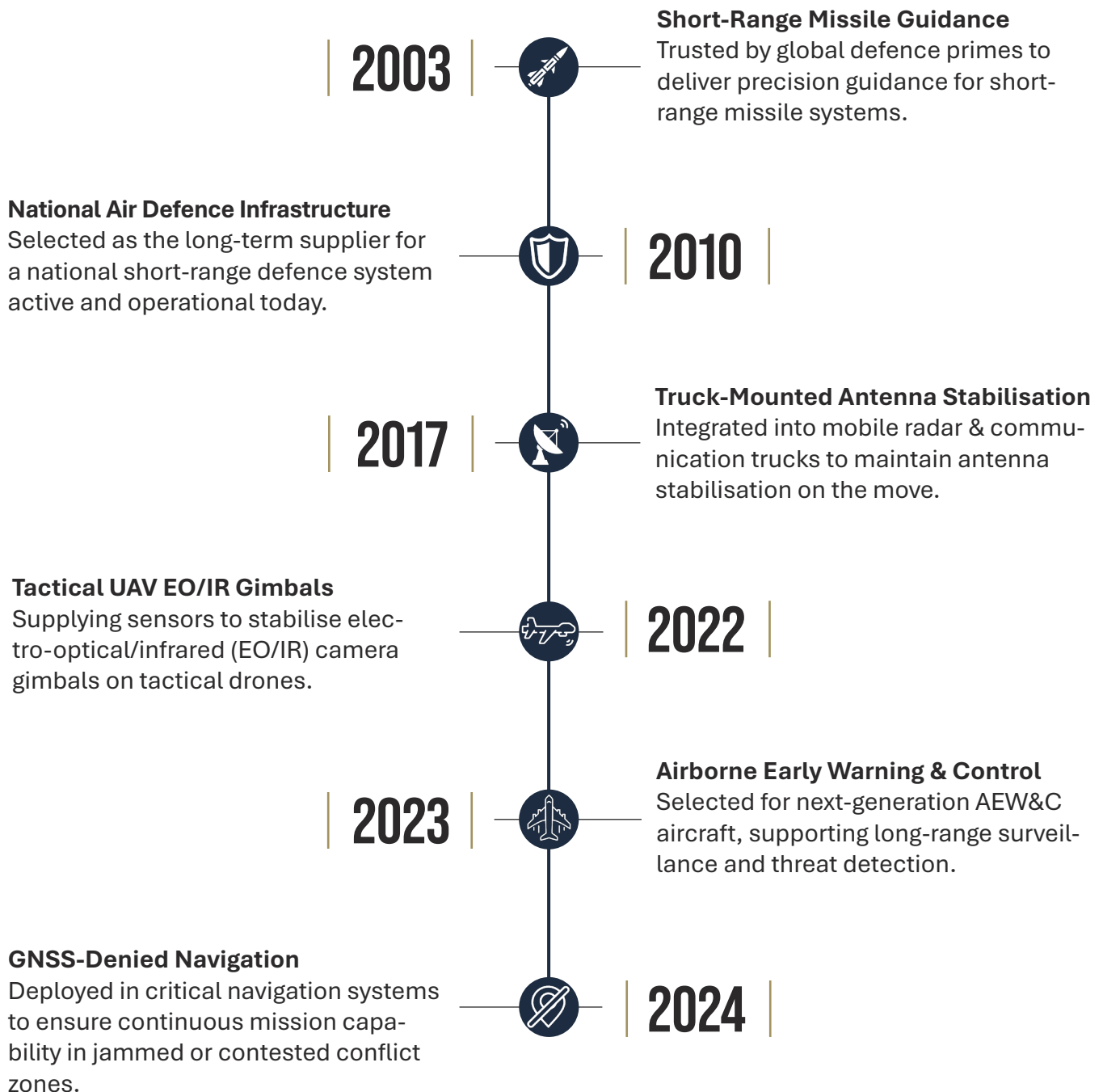
MULTI-DOMAIN

USED FOR LAND, AIR, SEA STABILISATION

Our sensors have been proven to work for antenna stabilisation over multiple battlespace domains; land, air and sea.

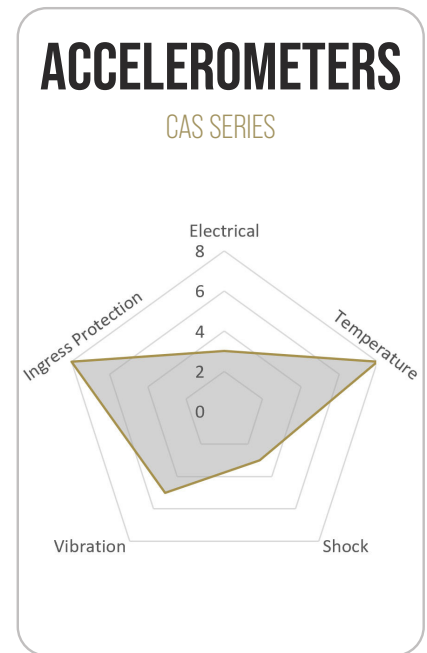
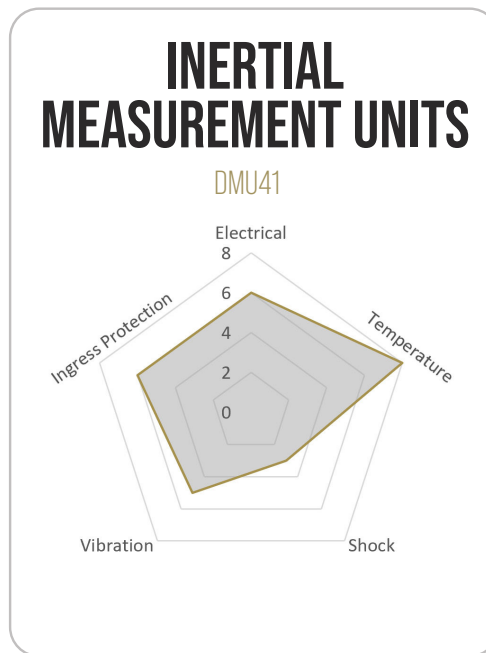
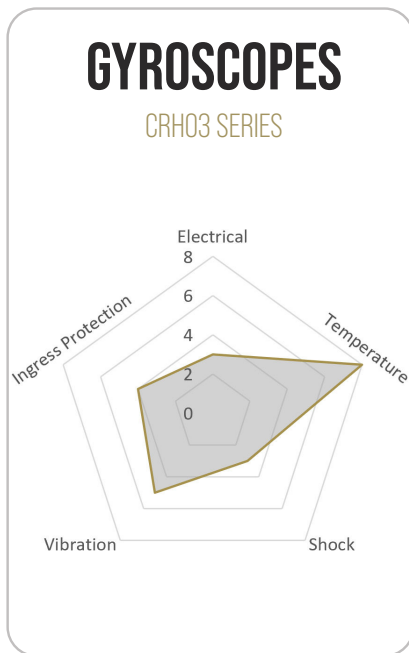
20+ YEARS IN DEFENCE

Over two decades of operational deployment. Zero room for failure. When global defence primes and sovereign militaries deploy critical assets, they rely on our inertial technology. Field-proven, our components deliver mission-critical reliability in any environment.



PRODUCT TESTING

Our state-of-the-art product testing and qualification rigorously assesses component performance across five key environmental and electronic factors, ensuring reliability from critical industrial systems to challenging strategic environments. Silicon Sensing's rigorous design processes, guided by APQP and PPAP models, take product development from concept to full-scale production, with performance validation backed by comprehensive testing in our laboratory and trusted partner facilities. Certified to the latest revisions of the Aerospace and Defence standard (AS9100D), ISO 17025, and ISO 14001, quality, continuous improvement, and environmental compliance are core to our operations.



0–3 represents Commercial/Industrial components. 4–6 represents “COTS+” or Aerospace-qualified components (RTCA/DO-160G). 7–8 represents MIL-STD compliance.

ISO 17025

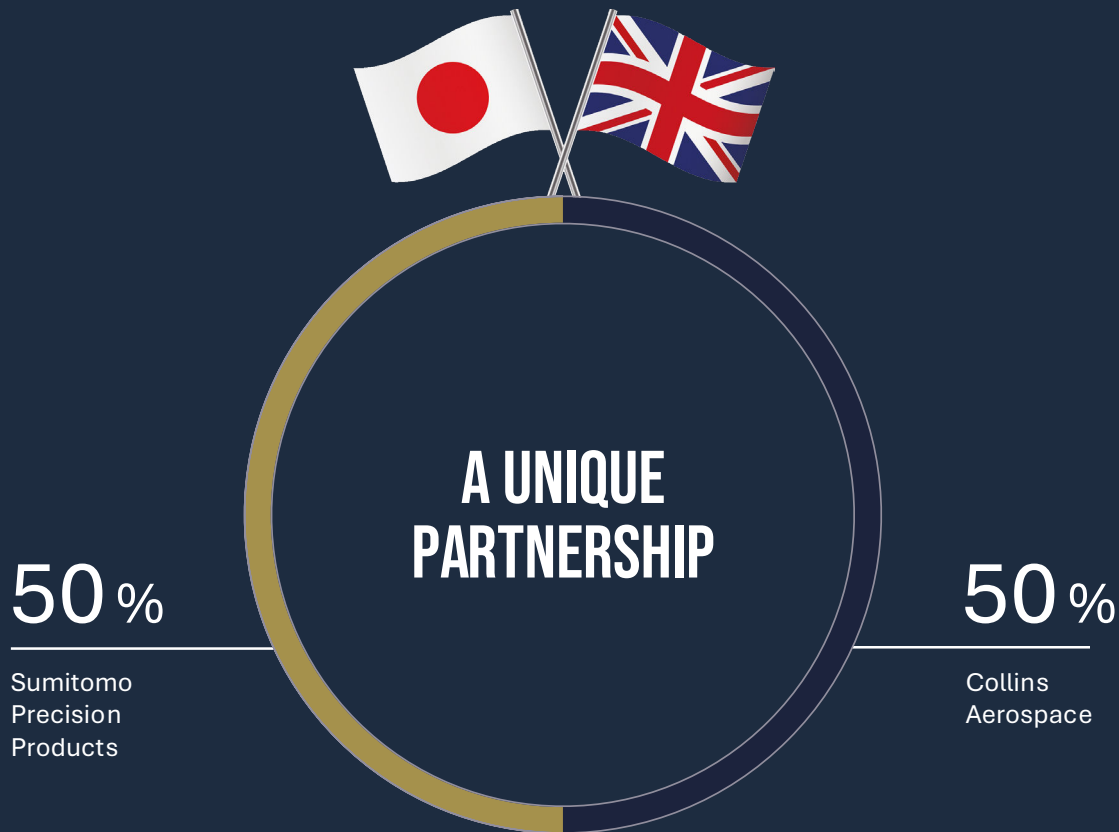
AS9100D

ISO 14001

OUR COMPANY

Formed in 1999 and headquartered in Plymouth, UK, with key investment from Sumitomo Precision Products (a Sumitomo Corporation Company) and Collins Aerospace (an RTX Company), we can trace our heritage back to 1615.

Our investors bring together some of the best minds in inertial and MEMS technology. Together, we have launched revolutionary inertial solutions for real-world applications. For over 20 years, our products have transformed inertial sensing, supporting critical applications in the aerospace and defence market.



30M+
SENSORS SOLD

20+
YEARS IN DEFENCE

1000+
CUSTOMERS

OUR LOCATIONS



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