



AICRAFT designs tailored artificial intelligence models combined with purpose-built electronics to craft automated solutions. We focus on multi-sensor and multi-modality fusion to manufacture embedded systems and products that enhance computing at the edge.



DEFENCE & COMMERCIAL CONSULTING

- Machine learning
- Autonomous navigation
- Payload design
- Remote sensing
- Geospatial intelligence



SOFTWARE DEVELOPMENT

- Super-resolution
- Long-range detection
- Tracking
- Video metrology
- Recognition & classification
- 3D modelling
- Soft biometrics



PLATFORM INTEGRATION

- Drones
- Aircraft
- Satellites
- Unmanned systems
- High-speed vehicles



SENSOR CUSTOMISATION

- Optical
- Infrared
- Ultraviolet
- Ladar
- Radar
- GNSS reflectometry
- Microwave photonic filters

AICRAFT was founded with objectives to:

- smartly discard uninformative data at the hardware level at collection time;
- reduce data deluge from single and multi-sensor systems operating continuously;
- improve execution time and system SWaP through holistic system optimisation;
- provide networking solutions that deliver intelligence on demand.

