



MOD UOR ISTAR Solutions

**Over 85% of Cranfield Aerospace (CAe)
work is repeat business from customers
- both large and small**

- Turnkey flying services
- Turnkey simulation services
- Formal MOD / EASA / CAA approvals for design / build / clearance of airborne solutions
- Validation and verification programmes
- Flight trials, instrumentation and data analysis
- Independent safety assessment & evaluation
- Risk assessment and safety cases
- Form 100A and Form 100C Certificates of Design
- Bespoke aircraft conversion and field campaigns
- High security hangar facilities

**Specialist consultancy support for manned
and unmanned solutions:**

- Avionics
- Structures
- Stress
- Aerodynamics
- Airworthiness
- Simulation design development
- Project management
- Concept development
- Flight test/ops
- Control systems
- Manufacturing
- Software

Find out how we can help you...

Speak to one of our team today on 01234 754978 or email enquiries@cranfielddaerospace.com

**Intelligent design, manufacture and support
solutions for civil and military customers
...at an affordable cost**





CAe is an EASA and MOD approved organisation based in the UK and has the authority to design, build and manufacture modifications (minor and major) for both military and commercial aircraft. We have many years of experience in working closely with our customers - from initial requirements capture to aircraft survey, through to design and certification of bespoke modifications. We can also provide bespoke flying services and utilise our own hangar facilities under our Part 145 Maintenance Organisation approvals, to provide installation services, maintenance and ongoing support.

Recent works include:

Commercial

- Introduction of mandatory modifications
- ACAS / TCAS / TCAS II enhanced mode 'S', 833kHz Radios
- SATCOM installations
- Complete aircraft conversion for specialist roles
- RVSM solutions for air separation compliance
- GNS-XLS solutions for commuter aircraft
- Mast docking system for Airship
- Range extension for executive travel
- Atmospheric Research Aircraft (ARA)
 - Specialist instrumentation installations
- Defensive aids and countermeasures
- Met Office Civil Contingency Aircraft (MOCCA)

Military

- New aircraft concepts for DSTL
- Advanced data logging technology for fast jets
- Cockpit armour solutions
- UOR conversions for deployment in theatre
- Certification approval for spy plane deployment
- Surrogate UAV conversions
- Role change certification
- Range extension
- Cabin air conditioning
- Specialist pods and turret systems
- SATCOM solutions
- Astra Hawk simulation development



MOD Sentinel Aircraft

Visit us at www.cranfieldaerospace.com
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EASA / CAA Approval References ESA.21J.145; UK.21G.2382; AD/2015/05; Part-145 Approval Reference UK.145.00377. Registration to ISO9001:2000; AS/EN ISO 9100B; plus TickIT, assessed in accordance with the requirements of AS 9104 MoD (UK) Design Approval under DAOS