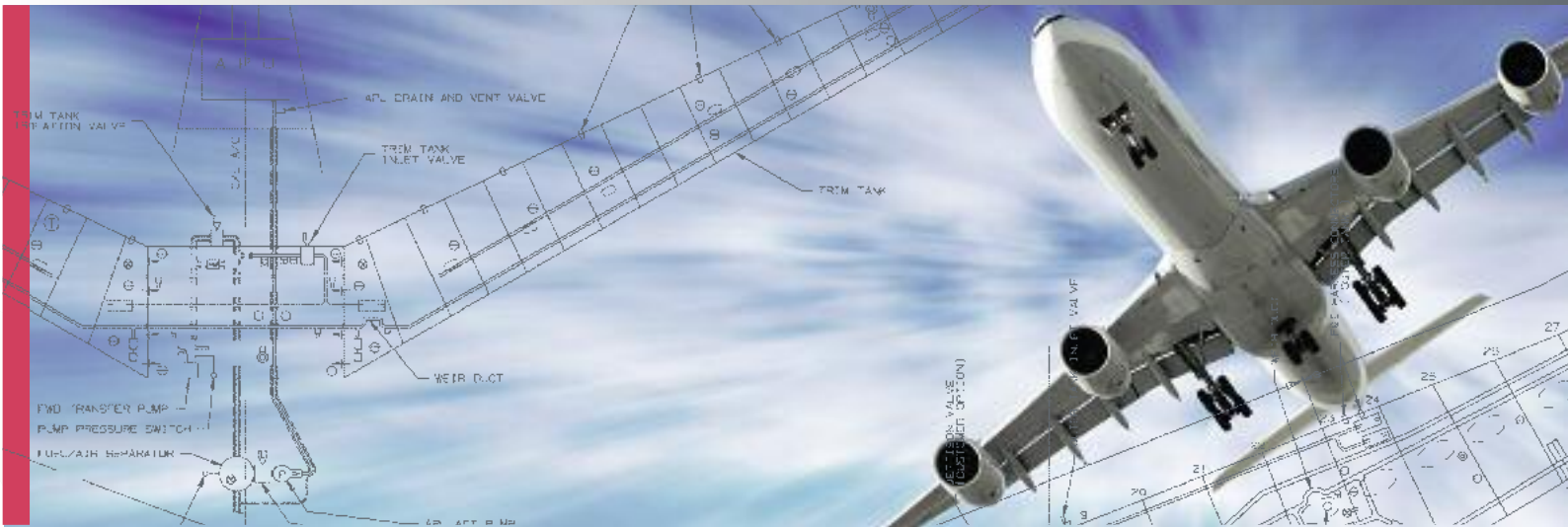


WEC

Woodford Engineering Consultancy (UK) Ltd



AEROSPACE SYSTEMS ENGINEERING

A proud past. A promising future.

integrity

competency

value



experience



responsiveness

capability

Woodford Engineering Consultancy offers aerospace systems design, integration, support and research capability founded upon many years of OEM experience.

Our team of Systems Engineers are able to draw upon an unparalleled breadth of knowledge and decades of industry experience to provide dynamic, flexible and effective solutions.

Today's fast paced markets demand quality assured work, delivered to programme, and we pride ourselves on delivering a service that surpasses our customers' expectations.

- Product development support including in service incident and root cause analysis, modifications, and equipment qualification.
- Test requirements, planning, management and reporting.
- New system design & development.
- Embedded systems safety expertise.
- Expertise in management of major work packages and liaison between suppliers, customers and certification authorities.

Fluid/Mechanical

Fluid/mechanical systems engineers deal with systems controlling or transmitting power via physical mechanisms or liquid or gaseous fluids.

WEC has the capability to cover all aircraft fluid/mechanical systems, drawing on our network of associate consultants where necessary. Our permanent staff engineers have specific and significant experience and expertise in this field.

Control and Indication

C&I is the integration of sensors, signals and equipment to meet system level requirements in the measurement and management of aircraft functions.

Our C&I team have extensive experience in aircraft design, development and support having worked together for over many years in this field on numerous aircraft programmes. Their experience includes fuel systems, engine and warning display systems, and powerplant control. WEC engineers have been involved in both hardware and software development programmes, interface control documents, design and test requirements and certification activities.

Electrical

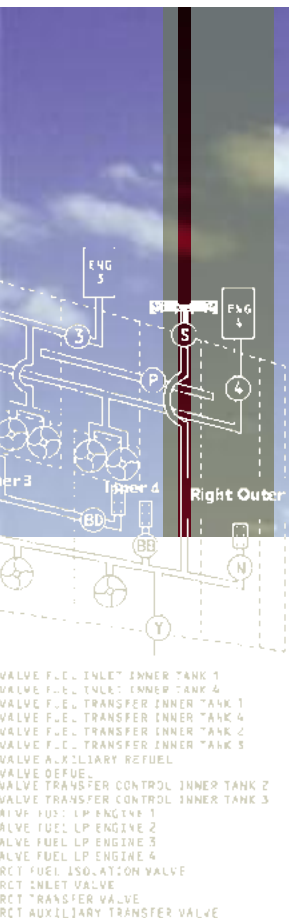
This discipline covers all aspects of electrical power and control from the main aircraft generating system to the smallest consumer load. Most aircraft systems require electrical power for control units, pumps, fans, valves, heaters, lights and indicators. Our electrical core team has worked on numerous aircraft programmes.

WEC experience includes electrical systems design, equipment specification and qualification, load analysis, test requirements and results analysis and system certification in conjunction with the airworthiness authorities.

Safety

The Safety Team has established an excellent reputation through its work on a variety of military and civil aircraft platforms. The team has extensive experience in the Aerospace industry covering the whole product lifecycle from trade studies and initial design concepts through to in-service evaluations, modification and life extension analysis.

The safety team benefits from being embedded within the systems engineering team, allowing safety engineers direct access to detailed system domain knowledge.




Activities



ATA 21
ATA 22
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Our Heritage



Whilst WEC only began trading in February 2009, our engineering heritage comes from decades of being at the heart of aircraft design, manufacture and support in the United Kingdom. WEC engineers have continually been at the forefront of industry changes and developments, shaping the systems of some iconic aircraft.

Flexibility & Partnerships

Aerospace is a global industry which is continually developing, driven by new technologies, advancing economies and the need to be sustainable. The evolving supply chains required to support this changing environment have spurred us to seek a wide network of industry friends and colleagues, both regionally, through the North West Aerospace Alliance, and beyond. These networks enable us to develop our understanding of how best we can serve our customers, harnessing the synergy of strategic partnerships and enabling us to meet future challenges head-on.

AVRO 146-RJ

A300

A310

A318

A319

A320

A321

A330

A340

A350

A380

A400M

TYPHOON

F35

NIMROD

CONCORDE

BAE 125

BAE ATP

JETSTREAM 31/32/41

VC-10

The WEC Advantage

We offer the cost and programme benefits that come from using a highly competent and responsive team to deliver effective and competitive solutions on time. This reduces overall cost and risk and adds maximum value for our customers.

Experience

- The majority of WEC engineers have 20 to 40 years experience in aerospace systems engineering, on both civil and military projects.

Stability and commitment

- Continuity of product knowledge and the customer relationship through very low staff turnover. All our staff are permanent employees.

Knowledge

- Multi ATA trained: we can offer specialists in most aircraft systems.
- Familiarity with the entire engineering life cycle from conceptual design and requirements capture through development and certification to in-service support, plus research projects and systems safety analysis.

Whole aircraft understanding

- Understanding of aircraft/fleet operation and support requirements.
- Understanding of aircraft-level system effects and inter-dependencies.
- Understanding of the OEM viewpoint, requirements and priorities.

Competence

- The project management skills to deliver work packages to time and cost.
- The technical skills to deliver the right solution first time.

Flexibility & reactivity

- The agility and responsiveness to meet customers' needs and changing priorities.





www.wecuk.com

Woodford Engineering Consultancy (UK) Ltd

UK Registered Office

Metropolitan House | Station Road | Cheadle Hulme | Cheshire | SK8 7AZ | United Kingdom

T: +44 (0)161 482 8508 F: +44 (0)161 486 9810 E: admin@wecuk.com

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