

Cranfield Aerospace (CAe) is the most experienced practitioner of friction survey trials in the UK.

CAe provides a key independent role in ensuring the safety of aircraft taking off and landing at civilian and military airports both in the UK and Overseas. Similarly, CAe helps to make helicopter landings on oil rigs a safer procedure.

Capabilities include:

- Friction survey's for civilian and military runways
- Helideck friction testing
- Surveys conducted using CAA recognised and accepted equipment
- International support, friction survey testing and auditing

CAe also has the unique capability of operating water ingestion trials at the UK's only specially constructed facility

Ensuring Safe Aircraft Ground Operations





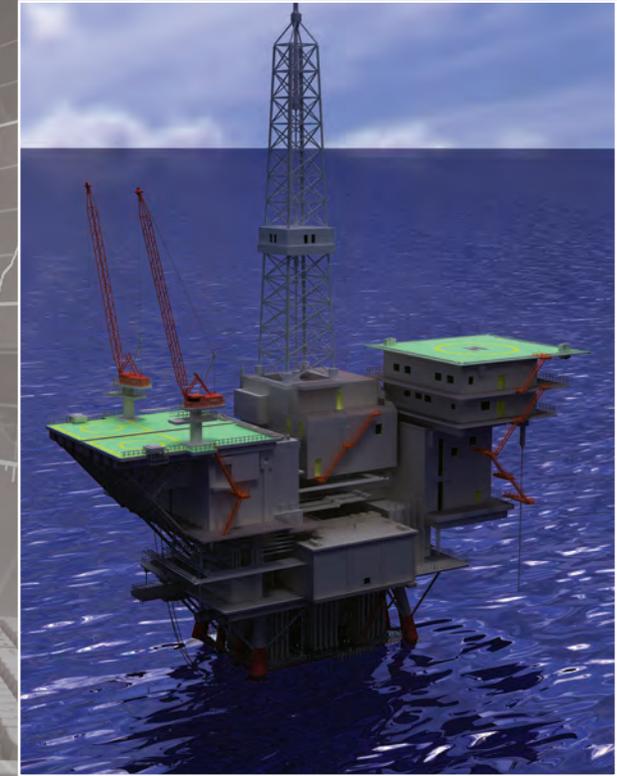
CAe offers an essential service to conform to UK CAA, international and military standards.

Take-off and landing is a crucial part of an aircraft's performance. Friction testing is essential to conform to regulations and contribute to the safe operation of helidecks and runways.

Friction contour maps of the runway are produced, detailing the friction values across the entire runway surface. Regular helideck friction testing can eliminate the need for net coverings and ensures that helicopter landings on oil platforms is a much safer procedure. CAe staff are fully certified for working offshore.

CAe supports specialised testing such as water ingestion trials using a specially constructed area on Cranfield's instrumented runway. Water ingestion trials can ensure that engine water ingested on take-off and landing does not cause unacceptable power loss. Panel testing in support of research and development for new helideck surfaces are regularly carried out.

CAe has once again been awarded the friction testing of all licensed RAF stations including those in Gibraltar and Cypress. This contract is facilitated through the five primary companies who are supporting Defence Estates/MoD during the next 4 years.



Friction Survey & Water Ingestion Trials and Evaluation

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