

Rotorcraft Testing and Engineering

Expert testing, engineering and certification services for the whole rotorcraft industry.



From developing bespoke equipment for testing helicopter gearboxes to performing multi-axial structural tests and environmental testing of airborne equipment, we support rotorcraft OEMs and suppliers from the RandD stage right through to product validation and certification.

Your Multidisciplinary Testing Team

Our global teams of rotorcraft experts come from a variety of disciplines and boast a long track record in aerospace testing campaigns. Thanks to their expertise and our unique testing facilities, we meet the tight deadlines of the most demanding aerospace programmes. Our rotorcraft testing services include:

- [Structural testing](#), from components to full scale
- End-to-end [materials testing](#)
- [Environmental testing](#) of airborne equipment (NVH, [EMC](#), Climatics, Battery testing)
- [Fire testing](#)
- [Cybersecurity evaluations](#) at hardware, software, communication levels

A Complete Service Offering for eVTOL Aircraft



For [eVTOL](#) development campaigns, we offer unparalleled support from start to finish. We can act as your interface with the aviation authority, helping you to define your test program and strategize the optimal route to certification. Then, we handle every test required in your test pyramid, from in-flight testing in the open field to laboratory-based testing of materials, structures, systems, and high voltage components.

Advanced Test Benches for You to Use In-House

Our engineering teams develop a range of turnkey test rigs and test benches for our clients to use in house. Each one is custom-built according to the needs of the client, whether that's for RandD, production line operations (FAL and pre-FAL) or MRO. These solutions include [specialist test rigs and jigs](#), [automated NDT equipment](#) and various [test benches for performance validation](#).

For [helicopter gearboxes](#), in particular, we develop multifunctional test benches for main gearboxes, doing in one test bench what normally requires several. For intermediate and tail rotor gearboxes, we develop advanced test benches that are smaller and lighter-weight than the standard alternatives on the market.

Product and System Certification

For global market access, we offer a wide range of [certification services](#) for rotorcraft equipment, whether it's to achieve CE marking in Europe or North American markings like UL or QPS.

On top of that, we certify personnel and [management systems](#), generating customer trust in your business while ensuring your processes and operations are at the optimal level.

[Request a quote](#)