



What is the Airborne Technology Demonstrator (ATD)?

A vital component in QinetiQ's modernisation of the UK Defence Test & Evaluation (T&E) enterprise, the ATD is a new breed of agile and dependable airborne test facility.

With legacy Flying Test Bed platforms at end of life and ill equipped to host today's innovative technologies, the ATD has been developed to meet this challenge by providing the latest airborne test functionality.

Aircraft Modifications for Airborne Technology Demonstrator

QINETIQ

Modular Cabin Racks

The ATD includes five Modular Cabin Racks and accommodates shelves or 19 inch rack equipment.

Modular Work Station (MWS)

The MWS includes a high performance computer, two touch screen monitors and four dzus rail panels.

Cabin Floor System for Power/Signal Access

The infrastructure is designed so that users can access all available power at any node throughout the cabin.

Baggage Bay – Lateral Underfloor System

The system features rapidly expandable capability with multiple spare channels and space for further customer cabling.

Distribution Hub

Providing T&E systems with operating continuity via a dedicated Uninterruptible Power Supply (UPS), the DH ensures mission critical trials equipment can remain active during major power draw events.

Combat Aircraft Nose System

This modification will enable the ATD to accommodate next generation Radar and Sensor systems to support future development programmes.

Flight Test Instrumentation (FTI)

The ATD has been installed with a modernised FTI system developed from the well proven systems installed on the ETPS Flying Classroom (RJ170), which is used extensively for training Flight Test Professionals.



Featuring an attractive blend of performance characteristics, customer utility and operating cost, the RJ100 platform represents an excellent host type.

Variant	Avro RJ100
Cruise Speed	404 km (747kmph)
Ceiling	35,000 ft (11,000 m)
Range	1,800 nmi (3,340 km)
Payload	25,970 lb (11,781 kg)

Learn more about our test, training and evaluation and design services; go online and visit <https://www.qinetiq.com/en/what-we-do/services-and-products/atd>

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