



AERALIS®, is a light jet aircraft system developer creating a new class of transformational high-performance training and operational support aircraft. The new aircraft will be modular, enabling the company to deliver a range of aircraft configurations for different missions by using a common fuselage and avionic system while switching engines, wings, cockpit and mission systems.

AERALIS spans basic and advanced training, surrogate trainers, aggressor, support (including air-to-air tanker) and light combat roles, slashing costs of development, production, training, support and upgrades while also addressing Net Zero targets.

As a result, AERALIS is delivering a true revolution in defence light jet aviation. The AERALIS system is built on three pillars:

AERSIDE (AERALIS Smart Integrated Digital Enterprise): the AERALIS aircraft will be one of the world's first to be digitally designed and engineered from the start. AERSIDE is the system that centralises this digital information, and allows the aircraft to be accurately 'flight tested' in the computer. It will continue to centralise data throughout the programme, production and service life of AERALIS fleets, providing invaluable insights for optimised manufacture, training, maintenance and operations.

AERCORE: this is the core of the modular aircraft system itself, the Common Core Fuselage (CCF) - shared by every AERALIS aircraft, that can be used together with various different modular components - cockpits, wings, engine nacelles, sensor suites etc, to create role-specific whole aircraft configurations.

AEROSA (AERALIS Open Systems Architecture): this is the open systems avionics architecture that allows components inside AERALIS's avionics system to be swapped out without having to re-certify the whole system each time, making it far easier and more cost-effective to adopt new digital software and technology in the future.

AERALIS is also innovating the way in which fleets are operated, so they can make best use of the AERALIS system. **AERFLEX** enables aircraft and modules to be operated and shared across multiple roles and territories by specialist suppliers to

Air Forces (rather than the Air Forces themselves). This reduces costs and complexity for Air Forces and makes maximum use out of the aircraft.

The AERALIS design is currently in its engineering development phase and a dynamic team of over 180 people now support AERALIS's Enterprise Hub in Bristol, working on all aspects of the programme such as digital design, engineering, certification, modular manufacture, procurement, sales and PR & marketing.

This is a very exciting time to become involved in a truly unique programme which provides a rare opportunity to see an aircraft go from drawing board to first flight. AERALIS is committed to engaging young people from all backgrounds to learn more about, and participate in, our future.

For more information on AERALIS, visit [AERALIS.COM](https://www.aeralis.com)

