

Andy Mitchell

Technical Lead (Hot End) – R&T Demonstrators, Rolls-Royce

Andy joined Rolls Royce in 2012 and has built over a decade of experience delivering advanced gas turbine technology across both in-service programmes and future product development.

During the first eight years, held a range of engineering and programme roles supporting the development and delivery of the Trent XWB, the powerplant for the Airbus A350. In these roles, contributed to the successful execution of one of the world's most efficient large aero engines, gaining broad experience in design integration, programme delivery, cross-functional coordination, and the transition from development into operational service.

For the past six years, he has been part of the Research & Technology (R&T) organisation, focusing on the development of next-generation high-temperature turbine systems. This work centres on advancing hot-end technologies to enable higher efficiency, improved durability, and enhanced thermal capability for future engine architectures.

Currently serves as Technical Lead (Hot End) – Demonstrators, responsible for the planning and execution of full-engine demonstration programmes for advanced turbine technologies. In this role, leads the integration and maturation of critical hot-end components and systems, taking technologies from Technology Readiness Level (TRL) 4 through to TRL 6. Responsibilities include technical leadership, risk management, cross-disciplinary integration, and delivery of engine-level validation to support future product introduction.

Brings a strong combination of hands-on engineering expertise, programme leadership, and technology maturation experience, with a focus on translating early-stage innovation into validated, production-ready capability that underpins the next generation of high-efficiency aero engines.