

## Trent XWB

### Optimised for the Airbus A350 XWB Family

**The Trent XWB is tailored and fully optimised for the Airbus A350 XWB Family.**

It will set new standards for efficiency, lifecycle cost and environmental impact. The Trent XWB will be complemented by TotalCare®; innovative service solutions developed to meet the evolving needs of our customers.

- Tailored to the specific needs of the aircraft
- Building on the extensive Trent family experience
- Reliable, dependable and predictable
- Utilising the latest service-ready innovations
- Lowest risk solution with maximum benefits
- World-class service solutions – TotalCare®



### intelligent innovation

**The Trent XWB has been designed specifically for the Airbus A350 XWB Family** and will be the sixth member of the highly successful Trent family. The engine will be available with a thrust of up to 92,000lb. Certification is planned for 2011 and entry into service in 2013.

**The Trent XWB will use the successful three-shaft architecture** of Rolls-Royce engines and the detailed design will reflect 75 million hours of Trent family service experience. It will also infuse the latest technology from research and demonstrator programmes giving a low risk solution with the best combination of performance, reliability and operating costs at entry into service.

**State of the art design features**, such as contra-rotation, low hub-tip swept fan and blisks, will ensure that the Trent XWB is the most fuel-efficient engine on the Airbus A350 XWB Family. Combining this with the Trent family characteristics of low weight and excellent performance retention will give the operator the greatest revenue earning potential.

**The Trent XWB will offer world-beating reliability, dependability and predictability** in airline operation from day one, proven by a rigorous development and maturity demonstration programme. Intelligent Engine Health Monitoring will facilitate pro-active maintenance in order to eliminate operational disruption and maximise part usage through cycle counting.

**The Trent XWB will incorporate the latest noise and emissions reduction technology.** The combustion system will be further developed from the Trent 900, the world's cleanest certified large turbofan, and the Trent 1000 to ensure the Trent XWB will exceed all current and proposed environmental legislation.

**TotalCare® can further enhance the value of the Trent XWB for our customers.** Rolls-Royce is a market leader in innovative aftermarket service solutions and through TotalCare® will pass further benefits and value onto the customer.

