

Powering the dream

The Trent 1000 is designed and optimised for the Boeing 787 Dreamliner and delivers up to 3% better fuel burn than its competitor, while still being the quietest engine for the airplane - Trent 1000 has the momentum in the market.



halving the noise footprint

A Trent 1000 powered Boeing 787 at full power take off is 3 dB quieter than the previous generation aircraft

blades that rotate at 12,000 rpm



The HP Turbine generates over horsepower - equivalent to 68 Formula 1 racing cars

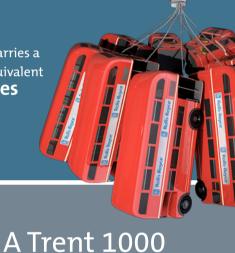
The fifth member of the highly successful Trent family



At take-off each fan blade carries a load of 90 tons, which is equivalent

fan system

to nine London buses hanging from the tip of each blade.



engine is made up of around 18,000 individual components

112 inches, the same diameter as the fuselage of the

The fan diameter is

Concorde

supersonic jetliner



3 per cent better fuel burn than its competitors

The only

up to

engine for

the airplane

that delivers

handling and operability at low power.

electrical systems while improving engine

4. IP power off-take efficiently drives the aircraft

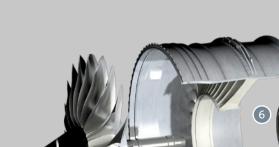
3. Contra-rotation provides much

improved core efficiency and means

5. Modulated HP Air system lowers fuel burn and gives more engine performance retention.

6. Heated Engine Section Stators (ESS) deliver

advanced ice protection, reducing operational



fewer and lighter parts.



Noise: QC 0.5 departures/ QC 0.25 arrivals High Pressure Turbine: Single stage Intermediate Pressure Turbine: Single stage Low Pressure Turbine: 6 stages

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