



# Rolls-Royce®

Rolls-Royce is determined to be part of the solution to climate change and other environmental challenges whilst delivering sustainable economic growth.

## **Environment – powering a better world**

The Group is committed to a programme of continuous improvement for our production and service activities around the world. Rolls-Royce invests around £800 million on research and development each year, two thirds of which is focused on reducing the environmental impact of our products – primarily noise and emissions. We are at the forefront of research into advanced technologies that could provide entirely new approaches to the problem of climate change.

As a world-class engineering organisation, Rolls-Royce is well placed to bring together scientific and technical knowledge from its skilled engineers as well as expertise from an extensive network of University Technology Centres to develop cutting-edge technologies to help address these challenges and ensure that we can meet the future power needs of society in a responsible way.

## **Our Strategy**

Rolls-Royce is committed to pursuing an environmental strategy which has three related elements:

- Maintain our drive to reduce the environmental impact of all our business activities
- Further reduce the environmental impact of our products
- Develop entirely new low emission and renewable energy products

As a result of the investments we have made over the last decade, our manufacturing facilities operate at, or close to, world-class levels of environmental performance. Over the period from 1998 to 2007, Rolls-Royce increased revenue by 65% but in absolute terms, total greenhouse gas emissions reduced by 31%. We have targets in place to enhance that performance and we encourage our supply chain to do likewise.

We are committed to working with partners in the aerospace sector to deliver a further step change in the environmental performance of our civil aero engines to achieve very challenging environmental objectives determined by the Advisory Council for Aeronautics Research in Europe (ACARE) which include halving fuel burn, hence CO<sub>2</sub>, per passenger kilometer by 2020 relative to a 2000 baseline. The performance of our newest civil aero engines, the Trent 900 for the Airbus A380 and the Trent 1000 for the Boeing 787, is in line with that goal.

We are constantly seeking to develop new and advanced technologies. Rolls-Royce is investing in low carbon power generation technologies and considering further opportunities in renewables (tidal stream and off-shore wind), carbon capture & storage (CCS) and civil nuclear power.