

## Corporate Responsibility Review of 2012/13 highlights

The last year has been one where we've picked up the pace. Read on for some examples of where we've delivered positive change in our airspace, across our estate and in the communities in which we live and work.

### Welcome

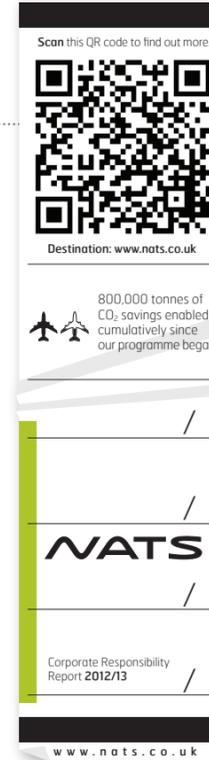
NATS is helping shape the future of Air Traffic Management. From our products and services to the way we approach our Acting Responsibly corporate responsibility programme, we are leading the charge when it comes to the sustainable growth of the aviation industry. Read on for an insight into what we achieved in the 2012/13 financial year, or turn over to see how our innovation over the years has successfully contributed towards a sustainable future for the aviation industry.

 **Richard Deakin,**  
Chief Executive Officer

### Check-in online

What you see here is just a snap shot of our achievements. To reduce our environmental impact further, this year we've put our detailed review of progress on our website.

Scan the QR code or visit [www.nats.co.uk](http://www.nats.co.uk), where you can view our 30 second summary, 3 minute video or spend longer getting the full picture.



### Air Traffic Management

**6,926 tonnes fuel saved**  
= **£4.5m**  
**22,000 tonnes CO<sub>2</sub>**

Enabled CO<sub>2</sub> and fuel savings 2012/13

**vol** + 

Flight Profile Monitor trial at Edinburgh; NATS collaborated with airport and airlines to reduce noise, fuel burn and CO<sub>2</sub> emissions - **20% better descent profiles**

**250,000 tonnes fuel saved**  
= **£160m**  
**800,000 tonnes CO<sub>2</sub>**

Cumulative savings enabled since our programme began

**World first 3Di**

Year 1 of regulatory performance scheme **completed and on target**



Delivered innovative night noise respite trial at Heathrow

Working with industry partners and communities to reduce fuel burn, CO<sub>2</sub> emissions and noise impacts we are driving towards a more sustainable future for aviation

**1st** London Transport Sustainability Award

**1st** CANSO Jane's ATC Award

**1st** Airport Operators Association Award

Award winning year for our **3Di metric and Flight Path Monitor tool**

**2014%**

Accelerated plans to help deliver **4% CO<sub>2</sub> target per flight by 2014**, an interim step towards our 10% 2020 target

Began changing our operation to enable arrival management strategy – smoothing traffic to avoid arrival holding

Started the **TOPFLIGHT** project to begin trials to optimise flights between North America and Europe

### Estate

**69%** of our waste in 2012 was **recycled**

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Energy usage - **down 29%** since 2006, saving £2.7m per year and £9m cumulatively

Decommissioned old air traffic centre - **92%** of the building recycled

**92%**

Launched **Low Emissions Car scheme** – one of the most successful in the country

By making smarter investments and seeking everyday efficiencies we are systematically reducing the impact of our activities on the environment

**Water use – down 45%** since 2006

**ISO 14001**

Committed to implementing an **environmental management system**. Gap analysis complete. On our way to certification

**Only 12%** of our waste **went to landfill** in 2012

**Cycle to Work scheme** - 15% of staff get on their bikes

### People and Community

**Staff raised £155k** for **Aerobility**, the disabled flying charity, and bought them a shiny new aircraft

**5%**

Hit our target: 5% of staff made **Give As You Earn** donations to charity **totalling £98k** in 2012/13

**Committed to achieving the Biodiversity Benchmark** and made good progress by completing a gap analysis. Certification planned for 2013

We work in communities across the UK and beyond. Building sustainable links in and around our workplaces is something in which NATS staff take great pride

**75% of staff** have joined shopping discount platform **saving £140k**

NATS Corporate Responsibility fund **donated £31k** in 2012/13 and **c£150k** since launch in 2008

Teams and individuals raised an **additional £50k** for their chosen charities

**Donated 60 trolleys** full of food and household goods to a homeless charity at Christmas

**Healthy Working Lives**

**Prestwick Centre Achieved Silver award** for promoting healthy lifestyles to staff

Became certified as an **Investor in Wildlife** – supporting biodiversity and nature

## Corporate Responsibility Review 2008 to 2012

We're proud of our heritage in delivering environmental improvements in our airspace, across our estate and creating a lasting impact in the communities in which we live and work. Here are a few of our greatest achievements.

### 2008/09

NATS defined the agenda. Formalising our environmental programme and setting targets.

First in the world to set CO<sub>2</sub> targets on the air traffic service provided to customers. Committed to reduce CO<sub>2</sub> emissions by 10% per flight by 2020. Set challenging targets to improve the environmental impact of our facilities.

Developed an emissions model and a detailed CO<sub>2</sub> baseline of our UK airspace for the first time.

Commenced NATS-wide recycling, installed solar cells, switched off equipment, re-located to fewer, more modern energy efficient facilities.

Established a corporate social responsibility fund to support local worthy causes and launched Give As You Earn scheme.

Created and chaired an environmental committee for the global air traffic trade association, CANSO.

In Sustainable Aviation, the UK aviation coalition, established a specific task force to explore future improvements to operational performance.

### 2009/10

One year on from establishing our target, we set out a plan to achieve it and started to deliver changes to our operation.

Reported progress in first environmental report.

Established the UK-Ireland FAB, Europe's first Functional Airspace Block, set up to enhance cross border CO<sub>2</sub> efficiency and safety.

Delivered more than 20 changes to UK airspace. This enabled savings of over 90,000 tonnes of CO<sub>2</sub> and 29,000 tonnes of fuel, worth £19m a year to customers.

Held a series of workshops that brought together controllers, pilots and flight planners to identify fuel and CO<sub>2</sub> saving ideas.

3Di metric story began - led to the development of an entirely new way of measuring airspace efficiency. NATS also instigated a series of workshops with CANSO members to share best practice on airspace efficiency metrics.

Implemented an extensive environmental awareness programme for employees to share best practice and identify fuel and emissions saving opportunities.

Established an Airspace Efficiency Group bringing together analytical and operational expertise. This helped to identify over 170 near term fuel and CO<sub>2</sub> saving opportunities.

Launched Cycle to Work and car sharing schemes, to encourage employees to reduce their commuting impact and save money.

350 employees have taken part in community volunteering projects since 2008.

Introduced Night Time Fuel Saving Routes allowing transatlantic flights to take advantage of direct routes overflying UK-Irish airspace.

Launched Cycle to Work and car sharing schemes, to encourage employees to reduce their commuting impact and save money.

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### 2010/11

The year we got into action. We ran flight trials to test innovative operating concepts and employees got involved to reduce our estate footprint.

In a UK first, NATS, BA and BAA delivered the 'Perfect Flight' - a trial that followed an optimised flight profile that saved more than 10% of the usual fuel and CO<sub>2</sub> emissions.

Released a DVD about the Perfect Flight promoting uptake of best environmental practice in aviation operations.

Delivered 40 changes to UK airspace. This enabled savings of over 50,000 tonnes of CO<sub>2</sub> and 16,000 tonnes of fuel, worth £10m a year to customers.

Launched 'Small Steps to a Lighter Footprint' campaign encouraging employees to play their part in reducing their impact on the environment. The campaign won runner up for Best Green Internal Communications Award at the Global Green Awards.

Won the Business and The Environment Award for demonstrating thought leadership in sustainability.

Reduced estate carbon footprint by 20%, energy consumption by 17%, waste to landfill by 44% and water consumption by 24% by the start of 2010.

Created an online e-learning package running alongside the popular environmental awareness courses.

Began a year of testing the 3Di environmental metric.

### 2011/12

In another world first we implemented our new 3Di airspace efficiency metric and won an award for it.

NATS became the first air traffic company in the world to be financially incentivised on its environmental performance.

NATS won the prestigious Operational Research Society's 'President's Medal' Award for developing 3Di.

Delivered 29 changes to UK airspace. This enabled savings of over 90,000 tonnes of CO<sub>2</sub> and 29,000 tonnes of fuel, worth £19m a year to customers.

Implemented Environmental Action Plans for airports and operational centres to improve fuel and emission savings.

Launched the CEO's charity of the year, with the target of raising £100k for Aerobility.

iFACTS, a new generation of advanced controller support tools went live giving controllers the capability to deliver aircraft closer to their optimal profiles.

Began work developing an Environmental Management System conducting an ISO 14001 gap analysis of our UK operations.

Launched NATS Flight Profile Monitor tool, supporting airports and airlines in noise and CO<sub>2</sub> emissions reduction activities with climb and descent performance data.

Won Bronze award for company Give As You Earn scheme. Charities received £80k in 2011/12, and £230k cumulatively since 2008.

Started implementing Eurocontrol's Local and Regional Airspace (LARA) planning tool, saving fuel burn and CO<sub>2</sub> emissions through increased sharing of airspace with the military.

Online environmental awareness course delivered to over 500 people. First Lunchtime Lecture held on climate change.

### Our future

Our enduring goal is to deliver a safe and efficient air traffic system that provides real value to its users and, above all, a system that operates effectively while limiting and where possible reducing its environmental impact.

We're proud of how far NATS has come; driving social and environmental responsibility through all aspects of our business. We've built a solid foundation and employees across the company, our customers and industry partners have engaged in what we're trying to achieve - the pace of change is quickening.

As we celebrate these successes we must also look to the future. We continue to focus our efforts on developing the next generation of Air Traffic Management infrastructure, tools and operating concepts to deliver step changes in our environmental performance. But this work needs investment, and against the backdrop of increasing calls to reduce costs we will need to innovate to continue delivering.

NATS doesn't conform to the idea that sustainability is a nice to have - in our view it is a must have. We will be meeting our challenges head on, providing environmental leadership and working for a more sustainable future for the aviation industry.