



# Environmental improvement in the Aerospace and Defence Supply Chain



BBA Aviation



BBA Aviation

## Case Study: H+S Aviation

With assistance from the SEEDA funded Aerospace and Defence Sustainability Club (formerly the Aerospace Resource Efficiency Club - [www.aerospacerec.co.uk](http://www.aerospacerec.co.uk)) H+S Aviation, one of the world's leading repair and overhaul organisations specialising in handling small to medium sized aero engines, APUs and accessories has embarked on a comprehensive plan of action to manage its environmental impacts, as well as deliver financial savings.

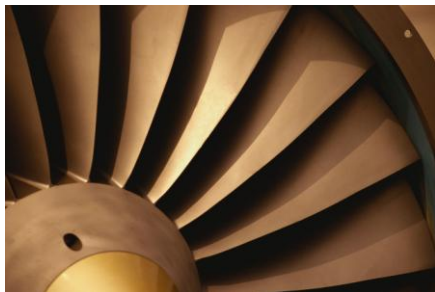
Part of BBA Aviation, H+S employs 360 staff at its two sites in Portsmouth. As part of the review of its environmental impacts it has identified the source and quantity of carbon emissions arising from its normal operations through the calculation of its direct **Carbon Footprint**.

H+S has taken action to manage its environmental impacts since 2005 but there has recently been increased focus and commitment.

### Energy

The installation of a Vickers Management System resulted in 50% savings in electricity and gas consumption (approximately £60000) from October 2006 to July 2007, compared with the same period the previous year.

Membership of the Club has reinforced further opportunities, such as:



- Savings of £18000 per annum from the installation of a Voltage Optimiser
- PIR sensors for intermittent lighting areas which are likely to save 19% of electricity consumption
- Enhanced sub-metering
- Potential rearrangement of lighting arrays
- High efficiency motors
- Remote timers
- Air compressor pressure reduction.

'Quick wins' identified included photocopier and vending machine timers, switch off of PC monitors when not in use and an energy awareness campaign.

### Waste

An office recycling scheme has been implemented and a review of the potential for reuse of packaging is underway. A review of waste contractors is being combined with increased emphasis on waste reduction and recycling, ranging from cardboard to plastic cups.

### Transport

In addition to a review of video-conferencing as an alternative to some air travel and the promotion of car sharing the potential for an electric vehicle to be used for transit between H+S Aviation's two Portsmouth sites is being investigated.

### Training and Communication

As well as a comprehensive review of H+S Aviation's activities and sharing of good practice among Aerospace and Defence companies the Club enabled the raising of awareness



## Environmental improvement in the Aerospace and Defence Supply Chain



through attendance at accredited Environmental Awareness and Waste Management training courses provided by the managers of the Club, The Olive Consultancy. In addition, a programme of internal training has been implemented.



This has resulted in the Board of Management, the H+S 'Green Team' and the 'Works Council' receiving environmental and resource management training. The representative 'Green Team' meets on a regular basis to communicate good practice and feedback and to enable delivery of identified savings.

### Procurement

As well as direct financial and environmental savings from the review of its operations, H+S has sought to engage with its own supply chain regarding environmental management, as part of a Sustainable Procurement strategy. It has been actively involved in a SEEDA funded Sustainable Procurement project managed by The Olive Consultancy and as part of this H+S HR Director Ann New was a speaker at a Sustainable Procurement Seminar involving the MoD, BAE Systems, the SBAC and the FAC.

It is delighted that a number of its suppliers have as a result grasped the opportunities this presents, including the implementation of an Environmental Management System.

### ISO14001

H+S Aviation is working with The Olive Consultancy to implement an ISO14001 certified Environmental Management System. This process has recently started, with a planned completion of February 2009.

H+S Aviation's Site Services Co-ordinator, Mike Johansen, stated that:

*"The Aerospace and Defence Sustainability Club focused our environmental management on practical and cost effective measures, while enhancing our understanding of the environmental risks we face and opportunities available. Savings, both financially and in CO<sub>2</sub> emissions, have been significant and we expect these to increase as the programme is developed further. It has also enabled us to focus our efforts on achieving ISO 14001 accreditation".*



- ◆ For details of **H+S Aviation**: [www.hsaviation.co.uk](http://www.hsaviation.co.uk), 02392304000
- ◆ For details of **The Olive Consultancy**: [www.consultolive.com](http://www.consultolive.com), 02380 111440 or [info@consultolive.com](mailto:info@consultolive.com)
- ◆ For details of the **Farnborough Aerospace Consortium**: [www.fac.org.uk](http://www.fac.org.uk), 01252375600
- ◆ For details of the **Aerospace and Defence Sustainability Club**: [www.aerospacerec.co.uk](http://www.aerospacerec.co.uk)

