

## Resource Efficiency Best Practice Case Studies

### Case Study 1—Lti— Metaltech saves money through energy, waste & water initiatives.

#### Summary.

Lti-Metaltech had a free Carbon Trust utilities audit and have been involved with the Milton Park Resource Efficiency Club. They are now involved with the Cherwell Resource Efficiency Club and have taken a number of actions to improve their resource efficiency.

#### **Company Background**

**Company Name:** Lti-Metaltech Ltd

**Sector:** Manufacturing—MRI body scanners

**No. of Employees:** 100

**Contact Details:** Andy Davis, Maintenance & Facilities Manager

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#### **Company Standards**

ISO 9001; A.D.Merkblatt 2006, Pressure Directive 5500

#### Quotes from Company:

The benefits from utilizing the Carbon Trust, Envirowise and The Oxfordshire Sustainable Business Partnership have been Significant. Helping us to reduce waste thus cutting costs and environmental impact.

#### Actions and Benefits

##### **Energy Efficiency**

##### **Actions & Benefits**

- Reset time switches for factory gas fired air heaters
- All lights switched off when premises are shut
- Switched off air compressor at night & weekends
- Switched off fume extraction unit at night & weekends
- Fitted timers to vending machines, water coolers, printers & photocopiers
- Installed lighting controls in selected areas

These actions saved the company £18,000 per annum and reduced their carbon emissions by 100 tonnes per year. Payback period will be 0—18 months.

#### **Waste Minimisation & Recycling**

##### **Actions & Benefits**

Scrap metals from the manufacturing process used to go to landfill. The company now sells these off-cuts to a dealer for re-use—less goes to landfill and Lti-Metaltech re-couped £60,000 from June '06—Aug '07. All cardboard & paper is now recycled, so less skips needed for waste; another monetary saving.



#### **Water Efficiency**

##### **Actions & Benefits**

Systemisers have been fitted to all urinals, using less water and saving money.

Activity	Co2 saved (tonnes)	Savings pa. £
Energy	100	18,000+
Waste Min.	80 – 100	60,000
Water	Not yet known	Not yet known
<b>Totals</b>	<b>180—200</b>	<b>78,000</b>

#### **Future Plans**

Ambient Air curtain to factory door—payback period 171 days

Capture hot air from compressors and feedback into factory.

Purchase re-usable drinking water bottles instead of using disposable plastic vending cups.