

PENTAGON PLASTICS

How Pentagon Plastics found energy savings of £8,091 per year

By implementing three simple Carbon Trust recommendations, Pentagon Plastics will reduce their energy bills by £8k annually with a payback period of 1.8 years



Injection Moulding Experts

Pentagon Plastics is a pro-active plastic injection moulding business based in Horsham, West Sussex, United Kingdom. Services offered at Pentagon Plastics include design assistance, development, toolmaking and injection moulding.

Pentagon Plastics provide both mould tooling solutions and repeat production of injection moulded components across a wide range of industries from medical and aerospace to construction and security, supplying a diverse range of customers.

Following an application to the Carbon Trust Green Business Fund for an onsite energy assessment, paid for by the Green Business Fund, the Carbon Trust expert that visited Pentagon Plastics' site reported that there were three key opportunities to save energy and associated carbon emissions.

The recommendations made are;

- Manage energy as a controllable resource
- Upgrade lighting to LED with controls
- Compressed air: Time Controls and Leak Detection & Repair
- **Furthermore, Pentagon Plastics could receive financial support in the form of a rebate from the Carbon Trust's Green Business Fund worth up to 15% of the capital cost of the above projects. This equates to an estimated £2,190 and would effectively reduce the overall payback period to just 1.5 years.**

Read more on Pentagon Plastics at www.pentagonplastics.co.uk

“Thanks to the Carbon Trust’s Green Business Fund we got a comprehensive report with recommendations for improvements to our plant, which will benefit the environment and our bottom line.”

Liz Ratcliffe, Financial Control Manager, Pentagon Plastics

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