



CASE STUDY

Benchmarking energy use in plastics processing

The task

Improving performance in any area of business requires targets for improvement to quantify the gains and target the efforts.

Energy efficiency is no different and the plastics processing industry needed benchmarks for the industry performance to provide the targets. Despite this, the available information was old and not relevant to the industry. Tangram was commissioned by the Energy Efficiency Best Practice Programme (now Action Energy) to prepare and review updated benchmarking information for the plastics processing industry.

What we did

Tangram obtained updated production volumes and related energy consumption information for a range of plastics processors throughout the UK.

The information was treated to remove specific company information and analysed to provide general industry benchmarks on energy consumption.

The information was structured to allow a company of any size to calculate the relevant benchmark for the relevant process and to then compare their performance to the average UK company.

The publications included check lists for calculating the Specific Energy Consumption (SEC) as a benchmark for the process and tips for reducing the SEC to improve energy efficiency.

Tangram produced all the artwork used in the publication and submitted 'camera-ready copy' to Action Energy for publication.

The benefits

- Clear layout and information for the plastics processing industry.
- Plastics processors have a simple method for benchmarking their energy efficiency against that of other similar processors in the UK.
- Processors are provided with a structured method for calculating the SEC benchmark for their specific site.
- Processors are given a range of tips for improvement of the SEC benchmark.

More details?

Contact:

Dr Robin Kent
Tangram Technology Ltd.
PO Box 24
HITCHIN
HERTS, SG5 2FP
Tel: 01462 437 686
e-mail: rkent@tangram.co.uk
website: www.tangram.co.uk

