



Cromwell's investment in new compressor delivering CO₂ reduction of 82,000Kg and saving £40,000

Cromwell Polythene has invested in a new compressor for its Alfreton site and is now on track for an energy saving of 67.5% in that location. In the first year of operation, the company expects to save 82,000 Kg of CO₂ and, importantly, £40,000 on running costs.

James Lee, Managing Director of Cromwell Polythene, said:

"A culture of continual improvement revealed the potential for these savings. Our existing compressor was not old, but a review that included a simulation showed there was potential for increasing our energy efficiency at the same time as reducing ongoing costs. The old compressor was idling in the Unload phase. The motor was running and using energy but not producing compressed air. Our new compressors switches off in this phase, saving energy."

"The new compressor also operates within a narrower pressure band. This matters because a rule of thumb indicates every bar above the needed pressure uses an average of 7% more energy. The narrower pressure band means we have reduced the upper pressure limit, saving energy."

"After four months of operation we are on track to deliver significant efficiencies and so are planning to upgrade our remaining compressors."

Fundamental to success

The CHSA's Roadmap to Sustainability is designed to help members move toward more ethically and environmentally sustainable business practices, policies and procedures, whatever their starting position.

The Roadmap to Sustainability offers value by:

- Informing and educating members on the sustainability agenda and associated issues;
- Providing members with a good strategic way forward for developing their approach to sustainability; and
- Helping the membership align on sustainability and so drive the industry forward.

The Roadmap to Sustainability offers a framework built on five key pillars:

1. Product: the product as it is received and disposed of by the end user
2. Packaging: product packaging and packaging used in transit
3. Transportation: encompassing the movement of raw materials and delivery of product to the end user
4. Social value and ethics: encompassing the whole organisation
5. Corporate environmental impact: emissions, waste and water