

Energy recovery from waste

Technology
for a
Sustainable Future

Recovering energy is a great way to address the problem of how to dispose of waste which cannot be recycled or composted, whilst at the same time reducing operating costs.

Despite recent oil price trends, energy continues to be a significant input for industry. It is almost a certainty that the cost of waste disposal will continue to rise significantly in future years, thereby increasing the economic viability of projects that burn waste to recover any residual energy. This has already contributed to energy from waste recovery facilities accounting for a quarter of the renewable energy supply in the UK.

Typical wastes that can be processed are: contaminated organic material, by-products from chemical processes, waste oils from food processing, or any other substance with significant calorific value.

ERG has the expertise to design and supply equipment suitable for these applications. The energy released from the waste stream can be captured in a thermal fluid system, a steam boiler or as hot air for use elsewhere in the process. That energy can then be re-used on site to reduce the fuel bills and the waste disposal costs of the operator.

In addition we will assess the potential pollution issues that might arise from combusting the waste stream, and can supply suitable equipment to meet the relevant regulations that apply.

