

DOCUMENT REFERENCE: B3.005

SUBJECT: Energy Efficiency Statement

Lotus Lightweight Structures is currently part of a Climate Change Agreement with a Min Met exemption applicable to its energy usage under the Climate Change Levy and Carbon Reduction Commitment schemes.

In the operation of Anodising plants it is general for both gas and electricity to be required. All process tanks operating at elevated temperatures are heated by indirect gas heat exchangers. For certain processes such as the aluminium etch the heat requirements are minimal as the reaction involved in the etching process is exothermic. Space heating is that of gas.

Electricity is utilised for lighting, compressed air, mechanical equipment, chillers, rectification and transporter operation.

In line with the best available techniques for energy reduction the plant uses “croffles” to reduce evaporative heat loss and energy consumption. The LEV system is inspected and tested 14 monthly as required by the COSHH regulations.

In respect of other raw materials used Lotus utilise “drag out” times between tanks to minimise spoiling and contaminate build up, this reduces substance demand and cleaning regimes which require tank dumping procedures. The effluent treatment system exists to support environmental protection, the fluid levels utilised in the treatment and correction process support a suitable discharge to the sewer.