



perfect
sense
energy



ACCREDITED
SUPPLIER

CASE STUDY

Jones Stroud Insulations



The Background

The site is a manufacturing plant that produces a wide variety of high quality insulating materials for the electrical, solar PV and electronics industries. The current traditional fluorescent lighting was proving costly and time intensive to maintain and light levels were making it increasingly difficult to accurately inspect quality throughout the production process. The old lighting system running cost in the braiding area was over £10,000/yr on energy and maintenance costs.



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The Solution

An LED lighting scheme was designed using 1500mm IP65 60w linear units with a comprehensive **5 year warranty**. The new LED lighting system now produces an average lux level of 400 (100+ lux higher) using **63% less power**. Financial savings from using less energy total over **£6,000 per annum** and as the LED units have a minimum useful lifespan of 50,000 hrs, they'll eliminate maintenance costs completely. This means the installation will **pay for itself just 1.5 yrs** and save the company over £88,000 over 10 years.

The Results & Feedback

The result is a naturally light, bright, energy efficient environment and everyone on-site is impressed from the Management to the workers.

Engineering Manager Jon Eccles commented;

'The new LED lighting has removed the constant maintenance headache and associated cost that the old fluorescent fittings were causing. Everyone is really pleased with the project results and I highly recommend the design advice, product specification and supply that Perfect Sense Energy has provided for us.'

