

Colgau Gold

Clogau is a second-generation family business based in Rhyl, Wales. Since 1989, they have been crafting exquisite jewellery using rare Welsh gold. Their unique designs have captured the hearts of jewellery lovers across the UK and beyond, making them a recognised and respected brand in the industry.

Industry
Retail - Jewellers

Technology
LED Lighting

Location
Denbighshire, Wales

Overview



LED LIGHTS INSTALLED

70



ANNUAL CO2 SAVINGS
(TONNES)

2



ENERGY SAVED

69%



PAYBACK (YEARS)

3.4



ANNUAL ENERGY SAVING (KWH)

11,412



EQUIVALENT RATE (P/KWH)

2.9



The Motivation

When Clogau discovered the Carbon Trust's Green Business Fund, which offered grant funding, they saw an opportunity to enhance their headquarters by upgrading their outdated and inefficient office lighting. Recognising the potential benefits, they approached Ineco Energy to explore the feasibility of switching to LED lighting.

The Ineco Solution

Identifying the Needs

Clogau was facing several challenges with their existing fluorescent lighting system, including poor light levels, high maintenance costs, and excessive energy consumption. To address these issues, Ineco Energy conducted a comprehensive survey of their office space, taking detailed measurements and assessing each light fitting to understand their current setup and energy usage.

Tailored LED Design

With a clear understanding of the requirements, Ineco Energy's design team created a bespoke lighting solution tailored to Clogau's varied workspaces. Different rooms, such as offices, corridors, and the canteen, required different lighting solutions. The new design adhered to CIBSE guidelines, ensuring optimal brightness and efficiency. By selecting high-quality, UK-manufactured LED fittings, Ineco was able to reduce the number of fixtures required by over 20%, further improving efficiency.

Working Through the Night

After considering multiple suppliers, Clogau chose Ineco Energy due to their expertise and ability to deliver an efficient, high-quality solution. To minimise disruption to daily operations, the installation was carried out in the evenings. Additionally, Ineco Energy assisted Clogau in successfully securing grant funding, reducing upfront costs and shortening the project's payback period, making the investment even more lucrative.

The Benefits

The LED upgrade significantly reduced Clogau's energy consumption and maintenance costs. The lower power usage led to decreased electricity bills, while the durable LED fittings minimised ongoing maintenance costs. With more efficient lighting tailored to each workspace, employees benefited from a better-lit, more comfortable working environment, enhancing productivity and employee satisfaction.



Ineco Energy understood our requirements, undertook a detailed lighting audit, and bespoke lighting design which enabled us to reduce the number of fittings, and capital cost whilst delivering the optimum light levels, carbon, and energy cost savings. Work was undertaken out of office hours to ensure zero disruption to our operation. The new lighting has had great feedback from my colleagues and Managing Director."

Project Manager, Clogau Gold