

Case Study

IMERYYS Par Docks

elumaTM
a new generation of intelligent lighting

suresense.co.uk



Case Study

Introduction

IMERYS is the world leader in mineral-based specialties for industry, transforming a large variety of minerals into high value specialty products for the industry using sophisticated technical processes.

IMERYS' activities in Cornwall focus on Kaolin (China Clay) extraction and processing with the UK being the world's third largest producer and exporter of Kaolin after Brazil and the USA.

Whilst IMERYS has a global presence with over 250 sites in 50 countries, in Cornwall it produces approximately 1 million tonnes of kaolin each year, employs around 1,000 people and operates in over 20 active quarry and industrial facilities as well as being a key component of the global research and development organisation. Its products are utilised in a wide variety of markets from paint to pharmaceuticals to cardboard.

Suresense Technologies has worked with IMERYS since 2014 providing energy saving products, our recent installation is at the Par Docks Opacilite plant where we installed our intelligent LED lighting. The Suresense Eluma LED which is also manufactured at our production facility in Cornwall is designed to last more than a decade, thus we have never had a failure on any of the IMERYS plants. This in itself carries a massive price tag saving not having to deal with getting up to a high bay light to replace a lamp, this is costly procedure in both engineering and production down time.



Figures

OVERALL SAVINGS:

85%

ENVIRONMENTAL SAVINGS:

35 tons of Carbon

ENERGY SAVINGS:

66,000 kWh

RETURN ON INVESTMENT:

15 months

Operational benefits

- Designed to last 11+ years, giving huge maintenance benefits
- Ensure Health & Safety Compliance
- Every Lux delivered is optimised to the max

Key benefits



LED
11+ Operation



Daylight Harvesting
Has the area any ambient light?



Occupancy
Is anyone in the area?



Bright Out
Too much light – do they need to be on?



ROI
Return On Investment
15 Months



Suresense Eluma's qualification for the ETL means that 100% of the investment can be offset against tax in the first year of implementation.

elumaTM