

Case Study
ESOS Success
Kentec Electronics





“

We were looking for a company to help us stay compliant and boost our environmental performance
Futura Bright delivered on every front...”

“

...Friendly, knowledgeable, and refreshingly honest, they guided us through the process and pointed us in the right direction whenever specialist input was needed.

As a busy H&S, Facilities, and Environment department, having a one-stop shop was invaluable. Iain and Harry were always helpful and responsive, and their advice gave us real confidence.

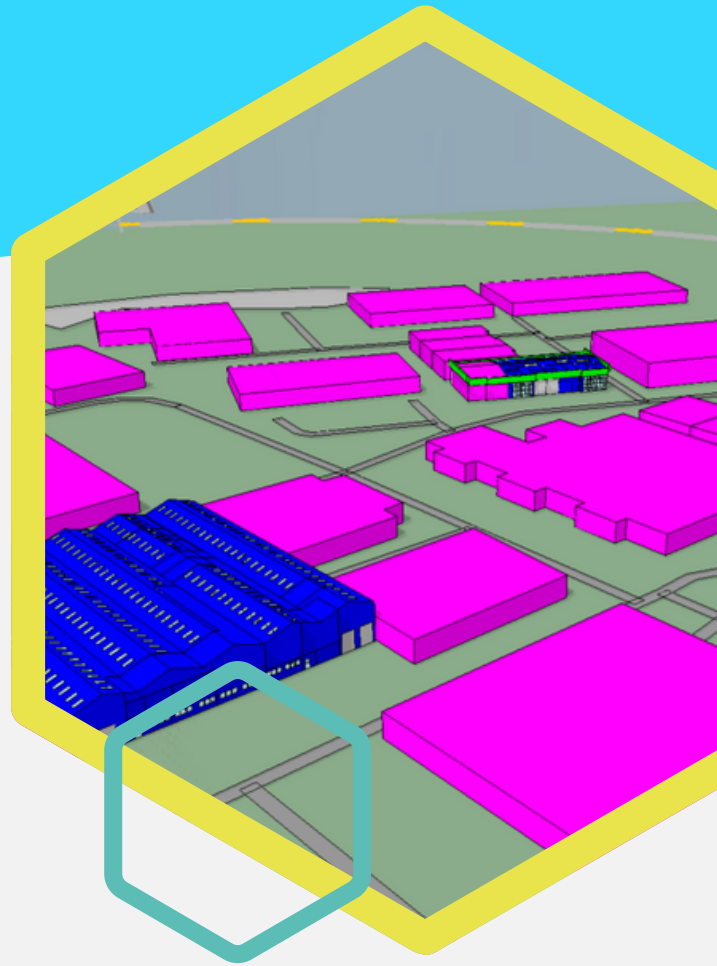
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I wouldn't hesitate to recommend Futura Bright.

Health, Safety and Environmental Manager - Kentec

Introduction

Kentec Electronics Ltd is a leading UK manufacturer of life-safety control systems, operating across four buildings in Dartford. With over 280 staff, Kentec is committed to sustainable operations and needed expert support to meet its ESOS Phase 3 obligations while preparing for future compliance.



The Challenge

Kentec's energy use was dominated by production processes, making it difficult to track and manage efficiency. Limited visibility of process energy, manual lighting controls, and heating schedules not fully aligned with occupancy added to the challenge. Kentec wanted a compliance-driven audit that also uncovered practical opportunities for long-term savings.

Our Approach

Futura Bright carried out a full ESOS assessment, including:

- On-site survey and energy data analysis.
- Development of a digital twin of Kentec's buildings using 3D modelling.
- Identification of significant energy uses and targeted opportunities for improvement.

Key Findings

The audit confirmed total energy use of 2.83 GWh/year, with 86% from industrial processes. This highlighted the importance of process metering, smarter heating controls, and better lighting management.

Recommendations

Futura Bright provided a phased roadmap for action:

- Short-term: optimise heating/cooling schedules and review lighting in daylight zones.
- Medium-term: add occupancy and daylight controls, introduce staff training.
- Long-term: install process sub-metering and roll out a sustainable travel policy.

The Results

If implemented in full, the plan could deliver:

- **367,000 kWh/year savings (~£54,000 annually).**
- **Lifecycle savings of £6.2 million over 60 years.**
- **Improved comfort, performance, and sustainability outcomes.**



Get in touch



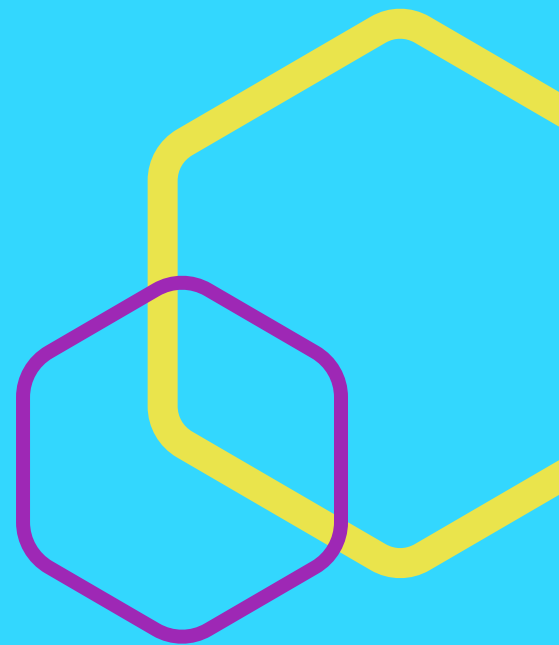
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