

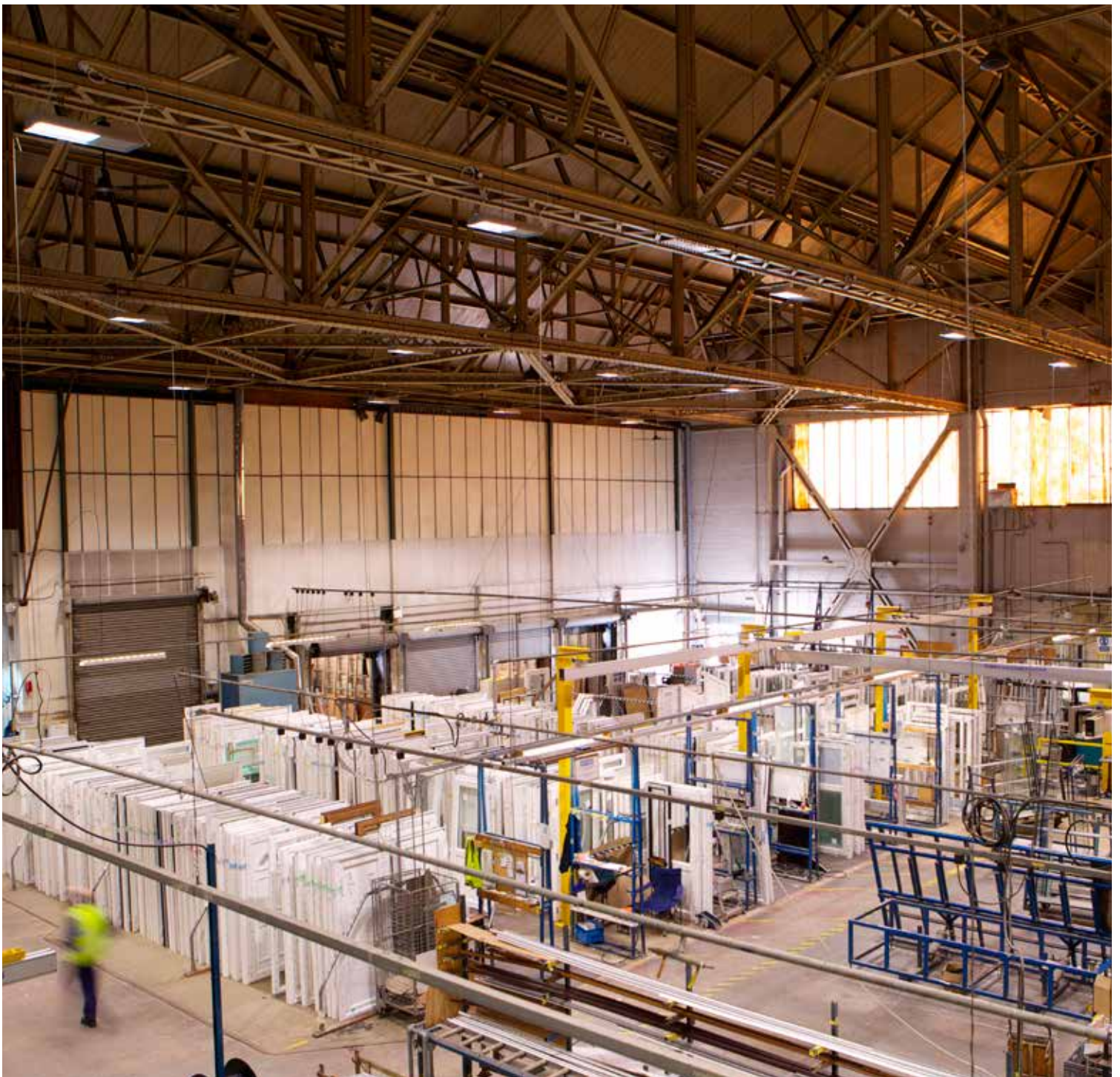
# THORN

LIGHTING PEOPLE

## Case Study

Anglian Home Improvements, UK

Energy Savings:  
**63%**



# HiPak Pro LED installation at manufacturing site reduces energy consumption while increasing the quality of light



## Summary

After trialling fittings from several manufacturers, facilities management company Cofely chose Thorn's HiPak Pro LED high bay luminaire to refurbish the lighting at Anglian Home Improvement's Norwich factory. Benefits include a 63% energy reduction and an increase in light levels from 100 to 300 lux.

## Background

Anglian Home Improvements was established in 1966 and is renowned in the UK as the number one supplier of high quality home improvements. Saving energy for their customers is at the forefront of what they do, so the company decided to explore how its own manufacturing site in Norwich could save energy with new energy efficient lighting.

## Lighting objectives

The factory was previously lit using products employing a mixture of 700W Mercury MBFU lamps, 400W SON-T high bays and 100W Fluorescent fittings. The objectives were therefore twofold: to reduce energy consumption and improve the working environment by improving the quality of light.

## Lighting solution

Thorn's Key Account Manager, Terry Ganslandt, worked closely with facilities management company Cofely to provide various product samples for trial, expert lighting designs and several supportive site visits.

As a new customer to Thorn, Cofely's Regional Account Manager, Jason Rose had trialled fittings from four other manufacturers without success. Jason explains, "It was Thorn's HiPak Pro LED which was the best for our application and the reason why we chose to work with Thorn for the first time. HiPak Pro LED gives a great lighting spread and doesn't glare when you look at or around the light."

HiPak Pro LED is a robust, low maintenance and energy saving LED high bay luminaire. At just 150W, it is substantially more energy efficient than the original 700W mercury lamps and has dedicated individual LED optics for precise light control. It also has an integrated PIR sensor and is DALI dimmable for maximum energy savings.



### Results and benefits

HiPak Pro has reduced energy consumption by 63% (from 19kWh to 7kWh) while increasing light levels from 100 to 300 lux. Jason explains: "Due to the PIR option, we were able to program HiPak Pro LED to our requirements, which was a big plus."

"The fitting was also very easy to install. Everyone in the factory is really happy with the solution. The lighting has a very good even spread, provides a nice light to work under and saves a lot of energy too."

Duncan Mottershead, Engineering Director at Anglian Home Improvements says: "An integral part of Anglian Home Improvements' energy and environmental policies is a commitment to use energy wisely and responsibly, and actively pursue ways to reduce energy usage."

"Installation of the new Thorn HiPak Pro LED lighting is part of this commitment and has resulted in energy savings of around 60% versus the previous lighting solution it replaced, as well as providing a much brighter and better overall environment within the factory."

### Key facts

- 63% energy savings
- Lux levels increased from 100 to 300

**eControl** From Thorn's 15 ways to save energy, the following are key to minimising energy consumption at Anglian Home Improvements' factory:



#### Lamp efficacy

High efficacy LED light sources convert energy more efficiently into light, reducing energy consumption.



#### System efficacy

The use of high efficacy LED light sources combined with precision optics and excellent thermal control results in a high system efficacy, producing maximum light output for minimum energy input.



#### Presence/absence

Integral presence sensors within HiPak Pro LED ensure lighting is only on when required, helping to reduce waste energy.



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