



CASE EXAMPLE

Kronospan Germany & Signify

Lighting the way to efficiency and savings



AT A GLANCE

BACKGROUND

Amid rising energy prices in Europe, the German manufacturer Kronospan aimed to reduce energy consumption at its production site in Lampertswalde. With a target to limit electricity costs to €2.8 million over the next decade, Kronospan sought an efficient lighting solution that would integrate seamlessly into existing infrastructure without costly downtime.

PROJECT IMPLEMENTATION

The factory was divided into 122 independent lighting zones, each tailored to specific production requirements, ensuring optimized lighting and compliance with standards. A smart solution was used to integrate smart sensors, tailored lighting zones and efficient control for optimized lighting based on real-time data. Implemented in a single day, the system allows managers to control lighting through dashboards across multiple devices using 34 support networks.

CLEAN SOLUTIONS

Energy-Efficient Lighting

In collaboration with experts from Signify, gas discharge lamps were replaced with 1,100 LED high bay lights with sensors for daylight harvesting and presence detection.

Office Area Upgrades

230 CoreLine recessed panel lights were installed in office spaces, offering uniform and energy-efficient lighting.

Cost and Energy Savings

The smart lighting solutions are designed to reduce electricity consumption by 75%, saving Kronospan €1.72 million over the next 10 years.

QUICK STATS

- New lighting solutions projected to cut electricity consumption by 75%, save €1.72 million and reduce CO₂ emissions by 9,850 tons over the next 10 years

KEY SUCCESS FACTORS

- The smart lighting solution was installed in a single day, with 34 networks created to support connectivity between lights and the management platform, ensuring minimal disruption to facility operations.