

Plastifoz production hall

Increased productivity with energy efficient lighting solution



Project snapshot

- New industrial facility with production lines and warehouse
- Low power consumption for reduced energy costs
- Increased light output for optimised working environment
- Maintenance costs eliminated
- Improved productivity
- Product: INDU BAY GEN2

Based in Figueira da Foz, Plastifoz is a Portuguese company, specialised in designing and developing products from plastic, which are used in a wide range of applications.

As part of the company's goal to meet growing market requirements and to expand their range of products, the firm decided to rebuild the production hall at their Figueira da Foz plant in 2016.

This renovation would also help the company consolidate its presence on the international market.



The Challenge

The company wanted a modern energy efficient lighting solution that would meet their strict standards for quality and performance.

They turned to Schröder to ensure optimal visual conditions that would improve productivity and withstand the challenging ambient conditions.



The Solution

Schröder conducted a site survey to assess the lighting needs and propose a solution. We delivered a lighting design and layout plan to maximise light output and visibility on the ground with minimal energy consumption.

Schröder proposed the INDU BAY to light the new facilities and provide the bright and comfortable environment that the employees need for precision work.

These highly efficient LED luminaires provide the right levels of luminosity and uniformity to ensure that the employees can concentrate more, leading to higher performance and greater efficiency, in line with the required productivity levels.

The Results

35 INDU BAY GEN2 have increased the light output, delivering:

- ✓ **360 lux (production lines)**
- ✓ **66% uniformity (production lines)**
- ✓ **300 lux (warehouse)**
- ✓ **62% uniformity (warehouse)**
- ✓ **1.11W/m²/100lux**

with lower energy consumption and zero maintenance costs which is in keeping with the company's objectives.

🔗 **The move to the new facility in 2017 was crucial for Plastifoz. It was an opportunity to modernise the company by making it more efficient and increasing our production capacity. The LED lighting solution advocated by Schröder for the new industrial hall was an important tool to help us achieve our energy efficiency and productivity goals.**🔗

Jorge Silva
Managing Partner - Plastifoz