



# Case study

# Hero factory

Location  
Philips Lighting

Alcantarilla (Murcia), Spain  
Pacific LED



**PHILIPS**



‘The envisaged savings have been met to the letter; we recorded consumption before and after, and the new solution works perfectly!’

Francisco Aleo, Head of the Technical Department, Hero factory, Alcantarilla



# Hero reduces its carbon footprint with the latest Philips LED technology



## Project info

### Customer

Hero Spain

### Location

Alcantarilla (Murcia)

### Project

Autoclaves warehouse (2,570 m<sup>2</sup>)

### Philips products

Pacific LED

### Philips consultant

Fulgencio Ros

## Background

In 2012, the Hero factory at Alcantarilla celebrated its 90th anniversary. Back in 2008, it established an internal energy efficiency committee to investigate opportunities for reducing its energy consumption in accordance with the group's social responsibility policy and, in particular, its commitment to the environment.

## The challenge

While the main objective for Francisco Aleo, Head of the Technical Department at the Hero factory in Alcantarilla, was to improve energy efficiency and consequently reduce CO<sub>2</sub> emissions as far as possible, Peter Beuth, the Electronic Maintenance Manager for the area had an even more ambitious objective: "The fluorescent lamps with electromagnetic ballasts that we had, required almost continuous repair; and due to the machinery below, it was often difficult to access with elevation systems. So a minimum requirement for us is easy access lighting systems."

## The solution

During the initial phase of changing to LED lighting, the 2xTL-D 58 W waterproof luminaires with electromagnetic ballasts were replaced with 44 Pacific LED waterproof luminaires.

"An altogether positive experience. Required lighting levels for the area have been reached, visual comfort is good and the envisaged savings, primarily in the theoretical work that we carried out, have been met to the letter. We recorded consumption before and after and the new solution works perfectly," reports Francisco Aleo.

## Benefits

As a result of using Philips LED technology, Hero has achieved energy consumption savings of 50% or 2.6kW in the installation, and has consequently reduced its CO<sub>2</sub> emissions by 55% – all without compromising on the lighting levels and quality. Although this meets the energy efficiency objective, Peter Beuth believes that the efficiency also includes maintenance in the bigger picture: "We are talking about 6,000 burning hours a year; so we are really depending on not having to touch the lights for a minimum of five years." Both Francisco Aleo and Peter Beuth agree that working with Philips has major benefits. According to the head of electrical maintenance at the plant: "It's clear to us that LEDs are the future as there are countless products available employing this technology; the majority however, appear dubious in terms of reliability. This is what prompted us to work with Philips, a large company with a development department that guarantees that what they put in the catalogue actually works."



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