



PHILIPS

Indoor lighting

Warehouses



Case Study

**The innovation and technology
of Philips and 9Ren Group
to light up the new Staci
warehouse.**

Staci Warehouse



Client
Staci Italia SRL
French international logistics
company
.....

Place
Casorate Primo (PV)
.....

Lighting System
GentleSpace gen2 with
“GreenWarehouse” wireless
control system

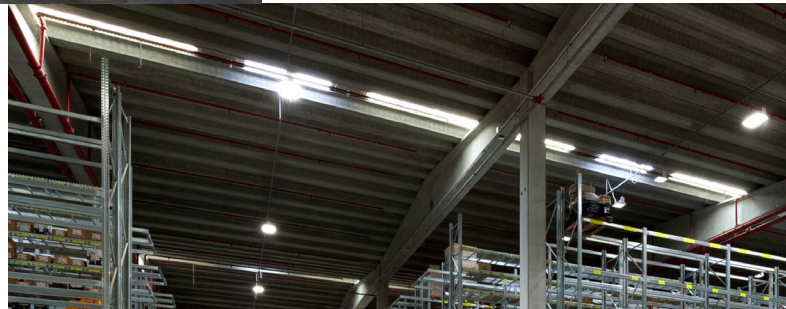
Background

Staci, French leader in the European advertising/promotional logistics market, has merged its know-how with Dpv's broad experience of many years, resulting in a new company called Staci Italia SRL.

Staci Italia makes available to its clientele both its expertise and advanced technology for the management of advertising/promotional and supply chain logistics.

Project

Staci, after acquiring a new warehouse located in Casorate Primo, Pavia, announced in early 2015 a competition for the development of a lighting installation inside its 24,000-m² area. The company's objective was to find a high-value-added solution that would comply with applicable regulations while, at the same time, guaranteeing significant management and maintenance savings.



Staci chose the project proposed by 9Ren Group, one of the largest operators in the photovoltaic industry. Thanks to the support of Philips, in its capacity as Business Partner, they developed an innovative technology design solution for the warehouse's entire surface area: GentleSpace gen2 with “GreenWarehouse” wireless control system.

“ We trust the know-how of 9Ren and Philips, knowing we can find in them reliable partners that possess the **expertise skills to develop an articulated project in order to illuminate the warehouse's entire surface area of about 24,000 m²**. The objective was achieved, with great results, both in terms of energy savings and the safeguard of our associates. ”

Daniele Conti, Quality and Business Processes Engineering, Staci.

The lighting was rigorously carried out with LED technology, thus achieving significant energy savings, with an interactive management system where all GentleSpace gen2 lighting devices, about 450 including the offices, have control units with motion

sensors and automatic wireless control to dim the lights to 10% of their power when not in use.

“ A challenge we have embraced with enthusiasm thanks to Philips's expertise and support. An installation over a 24,000-m² area requires not only committing a lot of resources, but also a detailed design plan so everything is carried out and operating at optimal capacity. ”

Massimiliano Camporesi, Sales Director 9Ren Group.

The installation of presence detection technology has made it possible to group together lights in areas that can be managed through remote commands or presence detection. This creates a flexible lighting environment that adapts to variations in logistics either for the replenishment or management of the warehouse's item stock.

In fact, GreenWarehouse provides energy saving lighting with an interactive management system. All lights have a control unit with motion sensors and automatic wireless control to dim the lights when they are not in use.

Savings equivalent to 155,000 kg CO2 per year

Greater energy efficiency
82% energy savings

Lighting reclassification of all light points according to applicable regulations

Benefits regarding visual comfort and staff safety

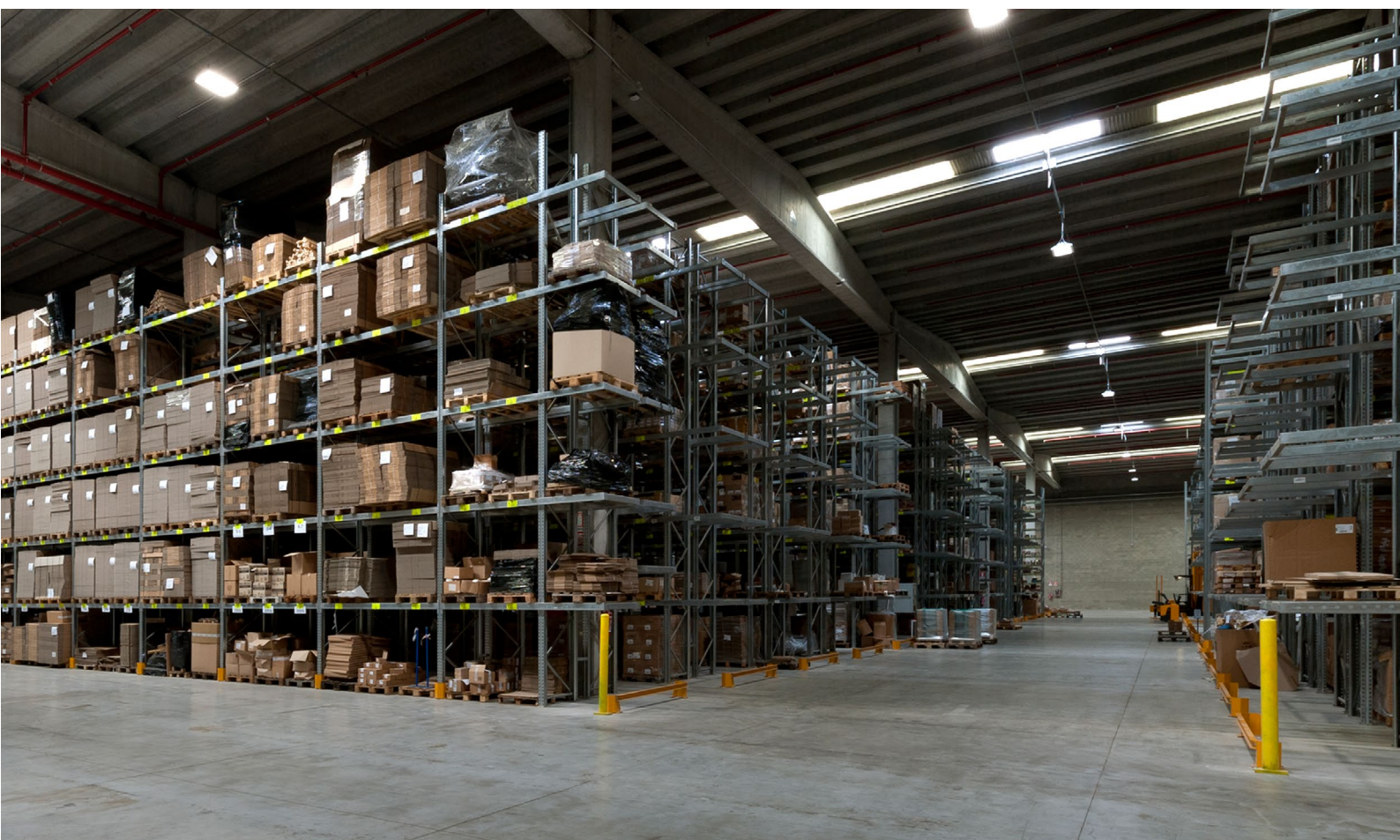
Benefits

The lighting system installed by Philips in the Staci warehouse, with the use of GentleSpace gen2 with "GreenWareHouse" wireless control system, allows greater energy efficiency, significant savings, and greater workplace safety, all thanks to a system that favors visual comfort and provides illumination when and exactly where it is needed.

In terms of oil saved, the Philips installation will generate annual savings equivalent to about 55 TOE, and a reduction in CO2 emissions of approximately 155 tons/year. The projects has reduced energy consumption by 82%, maintaining optimal lighting levels and allowing the upgrade -and certification-, at the regulatory level, of the lighting systems.

“ We have provided Staci with our professionalism and expertise in lighting systems. **Innovation, technology and design are the features of the entire lighting system** that we have installed inside the warehouse, in order to generate **important energy savings, cost reductions, and greater well-being** and care of the personnel working inside the building. ”

Viola Ferrario, Marketing Director Philips Lighting Italy, Greece and Israel.









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October 2015

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