

VIEIRA DO MINHO MUNICIPALITY CASE STUDY

ARQUILED

BRIGHT NEW FUTURE



Vieira do Minho Municipality replaces old lighting with LED technology

GOALS

In 2019, the municipality of Vieira do Minho implemented, in the first phase, an energy efficiency plan with an investment of 423,800 thousand euros, to replace 4,341 sodium vapor luminaires with LED technology luminaires.

This task, coordinated with the energy and urban planning policy of the city council, allowed the fulfillment of an investment with a clear benefit to the public.

The new LED luminaires allow greater energy efficiency with energy consumption reduction.

TESTIMONY

António Cardoso, the mayor was very pleased that Vieira do Minho county was "the first municipality, in the district of Braga, with full LED lighting coverage and, simultaneously, to see a problem solved that caused many constraints to the population of Vieira do Minho", underlining the importance of this measure as it is "an important step in the adoption of measures to support the environment and reduce the street lighting energy cost".

"This is the path that we have to take in order to achieve a substantial reduction in the financial costs of street lighting, without causing any type of inconvenience to the inhabitants".

António Cardoso Barbosa
Mayor of Vieira do Minho

INSTALLED SOLUTION

GREATER ENERGY EFFICIENCY AND LESS ENVIRONMENTAL IMPACT

The project to replace traditional street lighting with LED technology luminaires, in the municipality of Vieira de Minho, made it possible to implement innovative solutions.

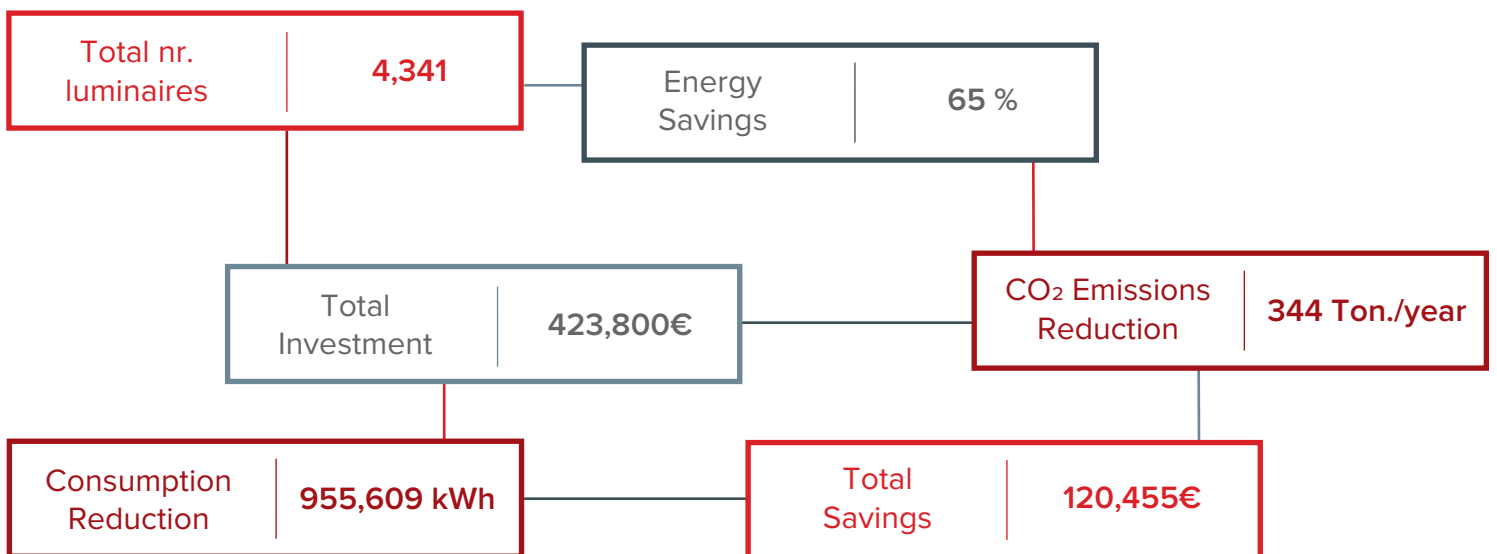
This energy transition allowed the implementation of innovative solutions in street lighting, with the purpose of not only greater savings, but also greater efficiency and less environmental impact.

The new luminaires allow greater energy efficiency and the consequent reduction in the energy consumption spending's around 65 percent.

Conversion of **4,341 traditional light fixtures** to LED luminaires:

- ▶ 4 288 **ARQUICITY S1** (road luminaire);
- ▶ 5 **ARQUICITY R1 EFFICIENCY** (road luminaire);
- ▶ 13 **OCTANS** (urban luminaire);
- ▶ 19 **HAMLET** (historical luminaire);
- ▶ 16 **Retrofit** (converted historic lanterns).

In some of the most emblematic places in the municipality, historic lanterns have been preserved. Thus, the project also includes a technological reconversion component, maintaining and preserving the existing equipment through the retrofit - restoring the body of the lanterns and introducing an LED module.





BENEFITS

OF PROJECT IMPLEMENTATION

The upgrade to LED luminaires results in a set of benefits that meet the objectives of the municipality. The reduction of costs with public lighting and the minimization of the environmental impact, with the reduction of CO₂ emissions.

The implementation of this project allows the municipality to:

- ▶ Benefit from a **significant reduction in the energy consumption**.
- ▶ Contribute to decarbonization by **minimizing the environmental impact** of CO₂ emissions.
- ▶ Upgrade and **improve the quality of street lighting**, with greater visual comfort.
- ▶ Greater safety in **public roads**.



ARQUILED

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Arquiled is a general LED lighting manufacturer, specialized in professional luminaires for street lighting, systems and services.

Headquartered in Mora-Alentejo, is a Portuguese industrial company, pioneering the market since 2005, that designs and develops its own products and solutions.

ARQUILED is committed to develop smart management solutions focused on reducing energy consumption and decarbonization, contributing to sustainable urban clusters.

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