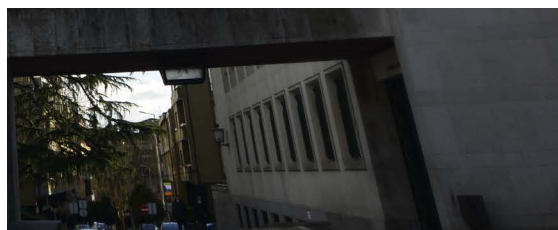
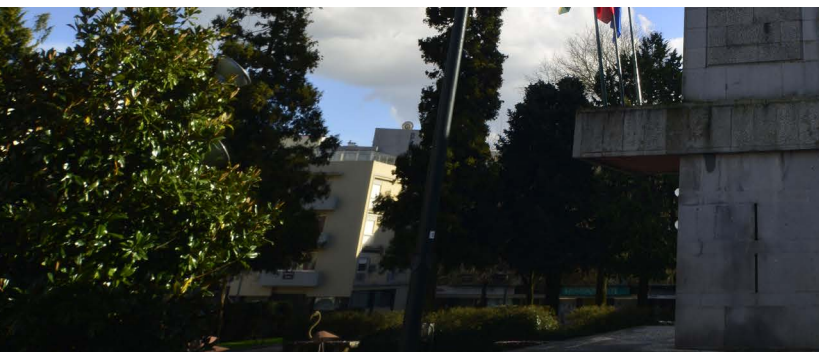
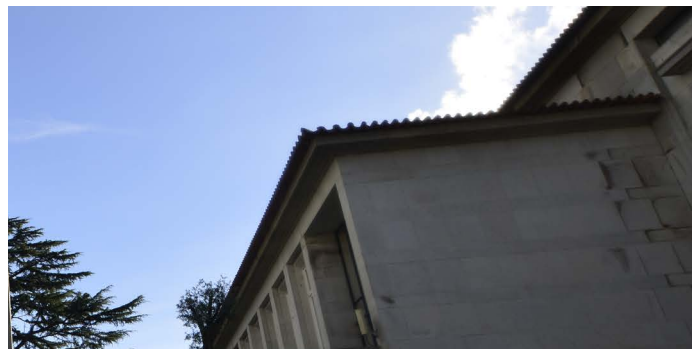


# MUNICIPALITY - VILA NOVA DE FAMALICÃO

## CASE STUDY

ARQUILED

BRIGHT NEW FUTURE



## Greater sustainability with LED lighting

### GOALS

Improving energy efficiency has been one of the focus of the municipality's activities, to make Vila Nova de Famalicão an ecologically more sustainable territory from an energy point of view.

Street lighting is essential to the quality of life, acting as an instrument for the enjoyment of public space by the populations, consequently deserving a special care from the city council.

In 2019, one of the main measures taken within the scope of the public lighting network, included the implementation of a project with a view to contributing to greater energy efficiency, replacing conventional public lighting with LED technology luminaires.

### TESTIMONY

"Improving energy efficiency is the purpose of the National Action Plan for Energy Efficiency, reducing a worrying threat to the country and to the municipalities from an economic, social and environmental point of view.

In addition to the financial reduction, the measure will allow a rate of savings in energy consumption of around 67% and an effective reduction in the percentage of carbon dioxide emissions to the atmosphere.

The amount saved is significant, but, equally important, is environmental savings, since we are committed to making Vila Nova de Famalicão in a municipality that is increasingly more environmentally friendly and energy efficient".

Paulo Cunha  
Mayor of Vila Nova de Famalicão

# INSTALLED SOLUTION

## LIGHTING QUALITY IMPROVEMENT

The project to replace about 5,000 conventional lighting fixtures with LED technology fixtures throughout the county, covered the urban area, national roads, several roads, and municipal roads.

The savings will allow the municipality to amortize the investment over three years.

In addition to the financial reduction, the measure will allow a rate of savings in energy consumption of around 67 percent and an effective reduction in the percentage of CO<sub>2</sub> emissions into the atmosphere.

On the other hand, it allows to improve the quality of the lighting and a feeling of greater security on the part of the users, on the public road.

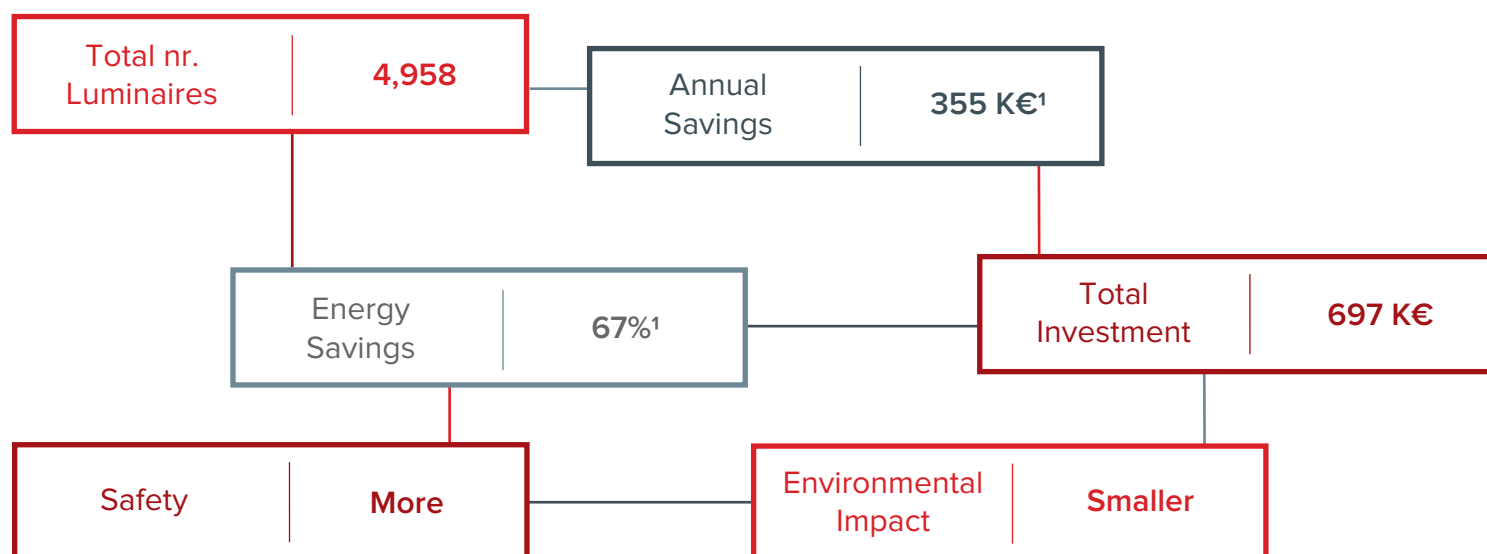
Conversion of **4 958 conventional light points** to LED technology luminaires:

- ▶ 4 701 **ARQUICITY R1 EFFICIENCY** (road luminaire);
- ▶ 257 **ARQUICITY S1** (road luminaire).

### R1 EFFICIENCY



### ARQUICITY S1



<sup>1</sup> According to statements to the News agency LUSA, Famalicão vai poupar 355 mil euros ano com instalação de iluminação LED - DN.

## BENEFITS

### OF PROJECT IMPLEMENTATION

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This project meets the purposes of the municipality, to make Vila Nova de Famalicão an energetically sustainable territory, as well as to contribute to a better street lighting quality.

- ▶ Benefit from a **significant reduction in energy consumption**.
- ▶ Reduce the percentage of CO<sub>2</sub> emissions.
- ▶ Improve the **quality of street lighting**.
- ▶ Greater safety for users on public roads.

## ARQUILED

### BRIGHT NEW FUTURE

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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.

### CONTACTS

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