

*Una manera de hacer Europa*



# BUENAS PRÁCTICAS

## Actuaciones Cofinanciadas

Energy improvement plan for public lighting in the municipality of Arrecife. Intervention in the neighbourhood of Las Salinas.  
EDUSI "Conurban Azul"

**Programa Operativo  
Plurirregional de España**

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**Fondo Europeo de Desarrollo Regional**

## **ENERGY IMPROVEMENT PLAN FOR PUBLIC LIGHTING IN THE MUNICIPALITY OF ARRECIFE - INTERVENTION IN THE NEIGHBOURHOOD OF LAS SALINAS**

### **DESCRIPTION OF THE ACTION**

The Cabildo Insular de Lanzarote presents as a good practice the energy improvement plan for public lighting in the municipality of Arrecife, in its intervention in the district of Las Salinas, which has had as main actions the replacement of the old luminaires with others without light pollution and with a 79% reduction in energy consumption.

The eligible cost of the action is 370,000 €, with an ERDF aid of 314,500 €, with the impact of the action being the reduction of energy consumption in the municipality of Arrecife, thus reducing its environmental impact and generating a benefit to the environment.



*Before*



*After*

### **THE FEDER'S ROLE IN THE ACTION HAS BEEN ADEQUATELY DISSEMINATED TO BENEFICIARIES, POTENTIAL BENEFICIARIES AND THE GENERAL PUBLIC.**

The Cabildo Insular de Lanzarote, aware of the importance of this action for the citizens of the island and the relevance of the European contribution, conducted an information campaign through various media, press releases, social networks and the placement of a permanent plaque; highlighting in all these communication actions the role of the ERDF.

The website of the Cabildo Insular de Lanzarote (<http://cabildodelanzarote.com/>) is one of the dissemination channels of the actions co-financed by the ERDF of the EDUSI "Conurban Azul", and it has also echoed the actions in the Barrio de las Salinas framed in the "Energy improvement plan for public lighting in the municipality of Arrecife".

In addition, a specific website has been created for the dissemination of the actions co-financed by the ERDF, through which information has been provided on the actions relating to the change of lighting and the improvement of energy efficiency in the Salinas neighbourhood: <https://www.edusilanzarote.com/comunicacion/>.

As for the various external media used to publicise the operation, the various press releases published on the official websites of the Cabildo and the EDUSI have generated news in various local and regional media, which help to publicise and promote the actions carried out.

Similarly, the digital press has also been vital for the continued dissemination of the action, under the importance of the role of the ERDF in the financing of the project:



[Diario de Lanzarote](#)

[La Voz de Lanzarote](#)



[Canarias 7](#)

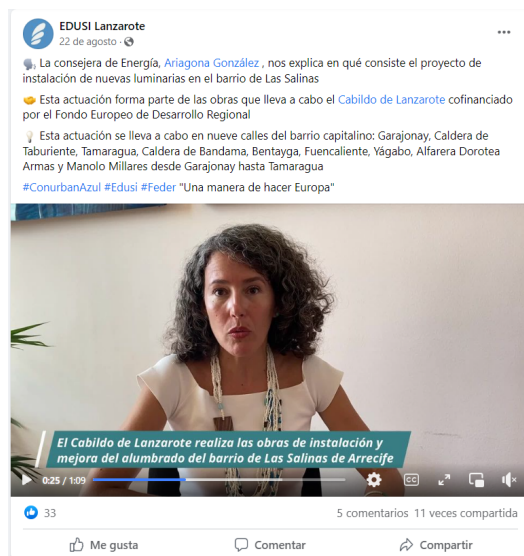
[EYSMunicipales](#)



In addition, the Cabildo de Lanzarote, aware of the current level of reach of social networks, has used these tools, as well as the YouTube channel to disseminate videos and news on the development of the action to make it known to the public; among which is the promotional video of the actions.



## [YouTube](#)



## [Facebook](#)



Other "extra" dissemination activities have also been carried out, such as the production of posters and plaques.



## **THE ACTION INCORPORATES INNOVATIVE ELEMENTS**

This CONURBAN AZUL strategy identifies the common problems and the mechanisms to address the challenges established in it, in a coherent and lasting way, improving the economic, environmental and social conditions of the citizens of the functional area, especially considering that 70% of the total population of the island of Lanzarote is concentrated in the functional area of the conurbation (San Bartolomé, Arrecife and Tegüise).

In this sense, the action has achieved the introduction of a series of innovative and modernising elements as a result of the audit and adaptation of the outdoor public lighting installations in the municipality of Arrecife, which has been carried out with the aim of improving the efficiency and energy savings of these installations, while adapting and adapting them to comply with current regulations.

These elements translate into the replacement of old luminaires, while at the same time limiting light glare and the consequent light pollution of the installations and the evaluation of the possible actions to be undertaken for their repair, improvement or adaptation to the standards and regulations, depending on each case.

With this action, the light output has been increased, while reducing the nuisance caused by light pollution from the installations, improving their efficiency and boosting energy savings that will have a direct impact on the Arrecife City Council's expenditure.

## **ADEQUACY OF THE RESULTS OBTAINED WITH THE ESTABLISHED OBJECTIVES**

These actions aimed at improving efficiency and energy savings through the renovation and replacement of outdoor public lighting installations in the neighbourhood of Las Salinas, Arrecife, belong to the Conurban Azul Strategy of the Cabildo de Lanzarote and are part of the European Union's Multiregional Operational Programme for Spain (POPE) 2014-2020.

Specifically, the aim of this action is to improve the public lighting installations, while bringing them into line with current regulations and reducing their expenditure and consumption, thus increasing the energy savings of the City Council and the lighting power of the installations.

To this end, the old luminaires and their poles have been replaced with new ones using LED technology, while new control and command panels have been installed; and the regulatory protections of the power supply circuits to the lighting points have been incorporated.

With regard to the results obtained, the actions have met the objectives set in terms of energy savings, compliance with current regulations and improved efficiency by achieving a significant increase in light output.

## **CONTRIBUTION TO THE RESOLUTION OF A PROBLEM OR WEAKNESS IDENTIFIED IN THE TERRITORIAL AREA OF IMPLEMENTATION**

The functional area of the conurbation brings together 70% of the total population of the island of Lanzarote. This conurbation has a metropolitan development that sometimes presents some advantages such as urban areas become poles of attraction due to comparative advantages over

other nuclei on the island or in the region; however, they also present multiple disadvantages, such as saturation, congestion, environmental deterioration and social inequality, mainly due to a pattern of disorderly, fragmented and unstable growth, which as a whole makes imperative the need for a new comprehensive vision of the problem that includes a new comprehensive strategy.

The action resolves a series of deficiencies that existed in the public lighting installations in the Las Salinas neighbourhood, adapting them to current regulations and taking advantage of this intervention to improve both their energy efficiency and the Council's potential savings, introducing LED technology that reduces their consumption, while increasing the lighting power of the luminaires.

With the implementation of this action, an old weakness is being turned into a strength, by changing from obsolete luminaires to modern, efficient and safe luminaires thanks to the protection systems implemented in the power supply circuits to the lighting points.

#### **HIGH DEGREE OF COVERAGE OF THE TARGET POPULATION**

The population of the Las Salinas neighbourhood is the target population of this action, as they are the ones who will be directly affected by improving the lighting conditions at night in the access to their homes and in the neighbourhood in general, but due to the qualities of energy saving and efficiency that have been put in value with this action, we should also take as an indirect target population all the residents of the Municipality of Arrecife, who will benefit from the future investment of the money saved by the City Council thanks to the replacement of the old luminaires.

We could also take into account as beneficiaries of this action all visitors passing through the area and the general population of the island, by contributing with these tasks to the environmental care and energy saving of the Lanzarote society.

#### **CONSIDERATION OF THE HORIZONTAL CRITERIA OF EQUAL OPPORTUNITIES AND NON-DISCRIMINATION, AS WELL AS SOCIAL RESPONSIBILITY AND ENVIRONMENTAL RESPONSIBILITY**

The actions carried out in the Las Salinas neighbourhood, with the improvement of the energy efficiency of its lighting, have taken into account the horizontal criteria of equal opportunities and non-discrimination, as well as the criteria of social and environmental responsibility. The conclusions of the citizen participation process carried out in the EDUSI have been applied in the preparation of the project, so that the concerns of all groups have been integrated. For this reason, this project responds to the needs expressed by citizens, providing connectivity to areas that were not connected and regenerating a public space.

Contracting has been carried out in a transparent manner, guaranteeing equal opportunities for companies. In the communication actions, simple, egalitarian and non-exclusive language has been used. This is in line with the renewed commitment to an egalitarian Cabildo that advocates non-discrimination.

Furthermore, accessibility and integration have been promoted by taking into account social responsibility criteria.

This system also improves the environmental sustainability of the area, as it significantly reduces energy consumption in the Town Hall.

## **SYNERGIES WITH OTHER POLICIES OR INSTRUMENTS OF PUBLIC INTERVENTION**

This action has synergies with other policies or instruments of public intervention. In fact, the objective of the Conurban Blue Strategy, in which this action is framed, is in line with the Europe 2020 Strategy: to achieve a development model that involves a coherent and integrating balance between economic, social and environmental aspects, articulated through the promotion of a greener, or more efficient, economy, and that encourages production and consumption activities with low greenhouse gas emissions as well as the effective and efficient use of natural resources, without forgetting the participatory process that includes all sectors of the community.



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