

Una manera de hacer Europa



BUENAS PRÁCTICAS

Actuaciones Cofinanciadas

Improvement of the energy efficiency of the municipal sports facilities. EDUSI "ALMERIA, OPEN CITY"

Almería City Council

**Programa Operativo
Plurirregional de España**

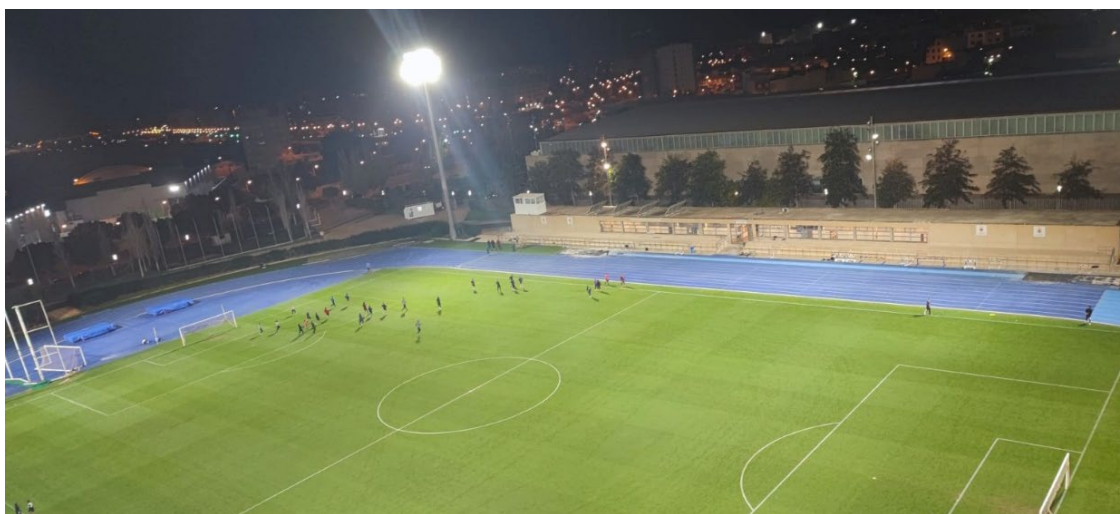
Año 2022

Fondo Europeo de Desarrollo Regional

GOOD PRACTICE EDUSI "ALMERIA, OPEN CITY". CITY COUNCIL OF ALMERIA

ACTION: IMPROVEMENT OF THE ENERGY EFFICIENCY OF THE MUNICIPAL SPORTS FACILITIES OF ALMERIA

This good practice consists of the replacement of the existing discharge projectors with LED technology projectors in the following municipal sports facilities in Almeria: Palacio de los Juegos Mediterráneos, athletics track attached to the Estadio de los Juegos Mediterráneos, C.D.M La Cañada, C.D.M. Los Pinos de El Alquíán, C.D.M. Tito Pedro, C.D.M. Rafael Andújar, C.D.M. Constantino Cortés Fortes and C.D.M. Los Angeles.



The operation in which the action is framed has an eligible cost of €587,300.00, being 80% co-financed by the ERDF, which implies a contribution by the European Union of € 469.840,00 and by the Light Intermediate Body of 20% of the total, which amounts to €117,460.00. It is estimated that the action will have a direct impact on 199,774 people.

1. THE ROLE OF THE ERDF IN THE ACTION HAS BEEN DULY DISSEMINATED AMONG BENEFICIARIES, POTENTIAL BENEFICIARIES AND THE GENERAL PUBLIC

The role of the ERDF in good practice has been adequately disseminated among the potential beneficiaries of the action, considering at all times the recommendations made by the Directorate-General for Community Funds, as well as the different regulatory provisions in this regard.

The communication carried out within the framework of this action has been carried out through the following elements:

- Plate:



- Poster:



- Municipal website:



El Ayuntamiento mejorará la eficiencia energética de las instalaciones deportivas, con un ahorro anual de 110.000 euros

25 abril, 2022 | En Actualidad, Ayuntamiento Destacados, Deportes, Sostenibilidad Medioambiental y Energética

El alcalde de Almería, Ramón Fernández Pacheco, firma el contrato para "mejorar la capacidad luminica y dejar de emitir el aire 371 toneladas de CO2 cada año"

La sostenibilidad no es una opción, es el único camino. Eso lo tiene claro el Ayuntamiento de Almería y, por eso, está dando pasos adelante en el cumplimiento de los Objetivos de Desarrollo Sostenible. Hoy, el alcalde, Ramón Fernández Pacheco, ha presentado la adjudicación de un contrato para la 'Mejora de la eficiencia energética de las instalaciones deportivas municipales' mediante la sustitución de los actuales focos por proyectores LED. El proyecto lo realizará la empresa 'Citelum Italia' por un importe económico de 581.000 euros y se ejecutará en el plazo de cuatro meses.

<https://almeriaciudad.es/el-ayuntamiento-mejorara-la-eficiencia-energetica-de-las-instalaciones-deportivas-con-un-ahorro-anual-de-110-000-euros/>

- News in the provincial press:

Diario de Almería ALMERÍA

ALMERÍA PARA VIVIR | PROVINCIA | FINANZAS | ANÁLISIS | SOCIEDAD | ECONOMÍA | DEPORTES | CULTURA | OPIÓNIM | TODAS LAS SECCIONES

Inversión de 700.000 euros para bajar la factura de la luz de los centros deportivos

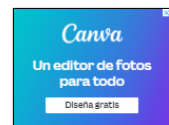
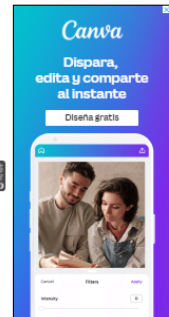
El Ayuntamiento emplea fondos de la Unión Europea para mejorar la eficiencia energética y reducir gases contaminantes en ocho instalaciones



MARÍA VICTORIA BEVELLA
28 Junio 2022 | 08:05

En el momento en que los hogares se vive pendiente de las horas valle y de los máximos históricos del coste del suministro eléctrico, el Ayuntamiento de la capital se dispone a efectuar el considerable desembolso de **700.000 euros para bajar la factura de la luz** de buena parte de los **centros deportivos municipales** que hay distribuidos por el término municipal, contribuyendo a los objetivos tanto de ahorro energético como de **reducción de emisiones de gases de efecto invernadero** mediante la instalación de luminarias Led.

Es un **'plan renove'** de proyectores que se encuentra en fase de **licitación** por parte del **Patronato Municipal de Deportes**, que ha lanzado una contratación por lotes para la mejora de la eficiencia energética de **ocho instalaciones deportivas**. Porque cualquier centro de cierta envergadura se convierte en una gran consumidor de energía en el día a día de su funcionamiento, ya sea para la climatización de piscinas, para el agua caliente sanitaria o para un alumbrado de gran intensidad.



https://www.diariodealmeria.es/almeria/centros-deportivos-luz-leds-licitacion_0_1587142155.html

2. THE ACTION INCORPORATES INNOVATIVE ELEMENTS

The innovative nature of the action lies in the use of discharge projectors that use LED technology, which will allow greater energy efficiency.

In addition to energy savings, LED technology also presents important innovations compared to the previous discharge system, such as less heat generation and, consequently, less volume of emissions emitted into the atmosphere, obtaining optimal levels of light intensity or greater durability of the projectors, among others.

3. ADEQUACY OF THE RESULTS OBTAINED TO THE ESTABLISHED OBJECTIVES

The main objective of this action is to achieve greater energy, lighting, and aesthetic efficiency in the municipal sports facilities of Almeria, reducing consumption in each of the existing light projectors, but maintaining the quality of the lighting.

In addition, another of the objectives to be achieved was the reduction of the additional costs associated with the previous lighting elements and which resided, mainly, in maintenance costs, which have been considerably reduced. Thus, on a monetary level, there has been a saving in the annual cost associated with the luminaires of approximately €80,000.

On the other hand, the objective of obtaining greater energy efficiency has also been far exceeded, since, thanks to the actions developed within the framework of the action, energy savings of approximately 60% have been achieved.

In the same way, the reduction in electricity consumption has made it possible to achieve the rest of the objectives contemplated in the action and which are complementary to each other, such as the improvement of air quality and public health, the mitigation of climate change or the promotion of economic activity associated with the sports sector in the city in a sustainable and environmentally friendly way.



In short, the replacement of previously existing discharge projectors with LED projectors contributes directly to the objectives and results expected in the Specific Objective

(hereinafter EMB) in which the operation of which it is part is framed (OE 4.5.3, Improvement of energy efficiency and increase of renewable energies in urban areas), as it significantly improves the efficiency of the city's existing public infrastructures and contributes to the use of environmentally friendly technologies and energies.

4. CONTRIBUTION TO THE RESOLUTION OF A PROBLEM OR WEAKNESS DETECTED IN THE TERRITORIAL SCOPE OF IMPLEMENTATION

According to the diagnosis carried out in the preparation of the DUSI Strategy "*Almeria, Open City*", among the weaknesses detected was the existence of a higher public energy expenditure than the average for Andalusia.

Added to this was the fact that the city of Almeria, when signing the Covenant of Mayors (5/2/2009), undertook to stop emitting 23.06% less emissions compared to the reference year (2007), which implied the need for the urgent adoption of measures aimed at achieving this objective.

In this way, the adaptation and improvement of the lighting installations of sports venues in Almeria through the replacement of the current discharge projectors with LED technology projectors has allowed, as mentioned in previous sections, a saving in the annual cost associated with the luminaires of approximately €80,000, as well as an energy saving of, approximately 60%, so it has given a comprehensive response to the weaknesses detected in the analysis of the DUSI Strategy.

Finally, it should be noted that the fact that the intervention has been carried out in the main sports facilities has made it possible to have public leisure spaces equipped with quality equipment that contribute to responding to other additional weaknesses detected in the city, such as the need to expand the tourist market of Almeria through the development of actions such as the celebration of major events and sports championships.

5. HIGH DEGREE OF COVERAGE OF THE TARGET POPULATION

The action covers the entire population of the city of Almeria, so the beneficiary population of the action amounts to 199,774 people, presenting, consequently, a high degree of coverage.

Although it is important to note that the use of LED technology in the projectors of sports facilities means the improvement of air quality and public health, since thanks to the installation of LED technology luminaires the risk of glare and visual fatigue are significantly reduced, as well as the symptoms associated with headaches and migraines,



This means that all those people who come to the capital of Almeria to enjoy its facilities and the sporting events that are held in them will also benefit from this action.

6. CONSIDERATION OF THE HORIZONTAL CRITERIA OF EQUAL OPPORTUNITIES AND NON-DISCRIMINATION, AS WELL AS SOCIAL RESPONSIBILITY AND ENVIRONMENTAL SUSTAINABILITY

The horizontal criteria of equal opportunities and non-discrimination are present throughout the action because both constitute cross-cutting principles applicable both to the DUSI Strategy "*Almeria, Open City*" and to the procedures carried out within the City Council of Almeria.

From the point of view of considering the horizontal criteria of equal opportunities and non-discrimination, it is important to note that all the clauses and requirements introduced in the documentation prepared at all stages of carrying out the action (tendering, execution, etc.) do not affect any type of discrimination. Special importance is given to the non-inclusion of terms or conditions that may be discriminatory from a gender perspective or in relation to people with different abilities. This way of addressing equal opportunities and non-discrimination in all phases of the implementation of the action is essential to ensure a fair and equitable process for all parties involved.

It is also important to note that the consideration of horizontal criteria of equal opportunities and non-discrimination is aligned with the principles of Law 9/2017, of 8 November, on Public Sector Contracts, which establishes requirements and types of criteria for awarding contracts and promotes the inclusion of clauses for equality in public contracts.

In addition, the improvement of sports facilities is an important way to advance equality and social cohesion among the population, since it makes quality spaces available to all citizens in which sport should be understood as a catalyst for social learning and the creation of healthy links between different population groups.

In relation to the principle of sustainability, this is the fundamental pillar of this good practice since the use of LED luminaires represents a significant improvement in the energy efficiency of public energy consumption and supports the transition to a low-carbon economy.

Similarly, this measure contributes to the implementation of circular economy practices, promoting more sustainable and circular products, goods, resources and services.

7. SYNERGIES WITH OTHER PUBLIC INTERVENTION POLICIES OR INSTRUMENTS

The action of "Improvement of the energy efficiency of the municipal sports facilities of Almeria" is part of one of the operations proposed within the framework of the *Sustainable and Integrated Urban Development Strategy "Almeria, Open City"*, called

"Replacement of sports discharge projectors with LED projectors in municipal sports facilities".

For its part, this operation is part of the line of action "*LA05. Improving the energy efficiency of public buildings*", which contributes to the achievement of Thematic Objective (hereinafter TO) 4 "*Promote the transition to a low-carbon economy in all sectors*". Within the framework of this same line is the operation "Improvement of energy efficiency of public buildings", which is aimed at achieving the same OT.

There are also complementary Lines of Action that are also part of the DUSI Strategy of the city of Almeria and whose purpose is the reduction of emissions of polluting gases into the atmosphere and the care of the environment, as is the case with the "*LA04. Energy efficiency in public lighting*" or the "*LA03. Sustainable Mobility in Almeria*".

Likewise, this action is related to different actions contemplated in the Action Plan of the Urban Agenda of Almeria, such as, for example, the development and implementation of the Action Plan for Climate and Sustainable Energy (PACES) or the improvement of the energy efficiency and renewable energies of municipal tourist buildings.

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