

*Una manera de hacer Europa*

# BUENAS PRÁCTICAS

## Actuaciones Cofinanciadas

Changing luminaires for led lights in sports facilities of the city sports center

Almansa City Council

**Programa Operativo  
Plurirregional de España**

Año 2022

**Fondo Europeo de Desarrollo Regional**



## **BEST PRACTICE: CHANGING LUMINAIRES FOR LED LIGHTS IN SPORTS FACILITIES OF THE CITY SPORTS CENTER**

### **CITY COUNCIL OF ALMANSA (ALBACETE)**

The action promoted by the Almansa City Council has consisted of renovating the lights in the sports facilities of the Sports Complex.

The replacement of luminaires has been based on improving the existing technology since the existing infrastructure was renewed to LED technology. This action managed to have a much more efficient lighting installation, reducing consumption, because the luminaires replaced were outdated primarily technology, such as sodium vapour lamps, being inefficient and whose age was over 25 years. In addition, a better service is also achieved since the renovation has a system of remote management sensors for the luminaires, being able to program not only their ignition but also the intensity of light at different times of the day. The action has also been completed with the renovation of other energy elements to improve efficiency, such as the boilers in the heated pool.

The renovated infrastructures have been: Municipal Pavilion, Indoor Swimming Pool and Athletics Tracks, all within the city's Sports Complex.

**The total cost of the action has been 950,000 euros, of which 80% has been co-financed by the European Union thanks to the European Regional Development Fund (ERDF): 760,000 euros.**



**1. The role of the FEDER in the action has been duly disseminated among the beneficiaries, potential beneficiaries and the general public.**

The actions to disseminate the action have been the following:

**Temporary work sign:**



**Permanent plates:**



**The operation has its section on the web:**



**The actions have been disseminated on social networks:**



**Advertisement in local press:**

The image shows a screenshot of the 'La Tinta de Almansa' newspaper website. At the top, there is a navigation bar with 'ANUNCIATE CON NOSOTROS' and social media icons. The main header features the newspaper's name and 'Periódico digital de Almansa'. Below this, there are several news articles. One article is highlighted with a red box, titled 'El Ayuntamiento informa sobre las ayudas para iniciativas empresariales'. Another article below it is titled '¿Compras un coche entre 2006 y 2013? Somos Robitnet te ayuda a reclamar el dinero que se te cobró de más por el «cáctel de coches»'. At the bottom of the page, there is a large advertisement for a radio campaign. The ad features the text '¿Y si fueras... una ciudad?' and 'ALMANSA creciendo de forma sostenible'. It also includes a small video player showing a sports facility and the text 'Cambio de luminarias por luces LED en instalaciones deportivas del complejo polideportivo de la ciudad'. A red box highlights the logos of the European Union and the Ayuntamiento de Almansa at the bottom of the ad.

**Micro video for social networks:**



[LINK AL VÍDEO](#)

**Regional radio spots**

A radio campaign was carried out from February 1<sup>st</sup> to 28<sup>th</sup>, 2022.

A total of 100 insertions were made, spread over every day of the month in different time slots.

## **2. The action incorporates innovative elements**

Innovation has fundamentally been technological, changing old and highly inefficient technology for new LED technology in the lighting of athletics tracks. The action has incorporated innovative elements in the three sports infrastructures because they have been the city's first three energetically rehabilitated public buildings. Inside the other two buildings, powerful and sufficient LED technology has been used for the most effective lighting possible, replacing and correcting previous deficiencies.

## **3. Adequacy of the results obtained to the established objectives:**

The Almansa City Council began these actions within the Energy Efficiency Improvement Plan, which aims to rehabilitate different public buildings in the city with energy.

The main objective was the renovation of lighting fixtures in the three public buildings to reduce spending and greenhouse gas emissions.

Because the replaced technology is much more efficient, the first calculations estimate that 70% of the cost has been saved. In addition to the economic savings, it is also worth noting the savings in greenhouse gas emissions that this action has entailed.

Another of the objectives of this action was to improve the lighting in these three buildings.

## **4. Contribution to the resolution of a problem or weakness detected in the territorial scope of execution:**

Since the design of the Strategy, it was identified as an essential problem that the annual public energy expenditure reaches a considerable amount of resources, sports equipment being one of its main causes.

With this action, substantial and important savings have been achieved, thus contributing to solving the main problem: the high cost of lighting sports facilities. This action also leads the City Council to obtain a more available budget, thus helping its budget stability and its ability to make investments or provide better services.

In addition, the energy consumption of the old luminaires was very high, which meant that greenhouse gas emissions were also high, a problem that has also been solved since the LED lights that have been installed are among the least polluting that exist.

## **5. High degree of coverage of the target population:**

With the renewal of the obsolete luminaires for the new LED type, better light quality has been achieved for the citizens of Almansa.

Not only has the quality of life of the resident population, around 24,338 people, been improved, but this action also positively affects non-residents who annually come as tourists to enjoy the gastronomic, cultural, and sports offer that exists in the city since one of the fundamental assets of the city is the basketball team that is in higher categories and that will also benefit from this performance. Another type of sporting activity in the city that will benefit from the improvements, such as water polo or volleyball, also attracts many people.

## **6. Consideration of the horizontal criteria of equal opportunities and non-discrimination, as well as social responsibility and environmental sustainability:**

From the point of view of the environment and of responsibility for the climate change that the Planet is suffering, the action contributes to a significant reduction in the emissions of polluting gases by reducing them by approximately 70%.

On the other hand, the action improves the efficiency in the provision of public services because it increases the quality of rehabilitated municipal facilities.

## **7. Synergies with other public intervention policies or instruments**

The Almansa City Council has carried out different actions in recent years that may have synergies with this action, such as the renewal of public lighting in the entire city in 2014, assuming a large increase in energy and monetary savings for the public funds.

Of the actions carried out in the buildings that are the object of this Good Practice, other aspects have also been rehabilitated, apart from the lighting part, such as substituting boilers for more efficient ones or incorporating solar panels.

Other actions are also being carried out within the Energy Efficiency Improvement Plan, such as the complete energy rehabilitation of the old Technological Center (now the Business Innovation and Training Center, "Aniceto Coloma") and the Old Town Hall (new Urban Innovation Center).

In addition, different calls for European funds from the new Next Generation Funds are being submitted to include more buildings in the Plan, such as the Almansa Town Hall, the Nature Classroom or the Paco Simón Football Field.



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