





Una manera de hacer Europa



Restoration and improvement of the thermal envelope of the San Caetano

Xunta de Galicia

Programa Operativo de Galicia

Año 2022

Fondo Europeo de Desarrollo Regional

Restoration and improvement of the thermal envelope of the San Caetano administrative complex buildings.

This action, carried out by the First Vice-Presidency and Regional Ministry of the Presidency, Justice and Sports, consisted of two types of action involving the five administrative buildings that make up the San Caetano Administrative Complex of the Xunta de Galicia (main building, left side building, right side building, right rear building and mansion building) in Santiago de Compostela.

The first action consisted of work on the building envelope, which included work on the roof, the façade, the restoration of the different materials that made up the façade and the window frames, replacing the old aluminium one with the current laminated chestnut wood frames.

The second action encompassed internal renovations within the premises, including the energy improvement of the lighting system by replacing the existing lights in all rooms with LED lights. Additionally, the coolers on the 3rd floor of the Central Building were replaced.

The total eligible cost for this action amounted to €7,485,487.10, with €5,988,389.68 (80%) being co-financed by the European Regional Development Fund (ERDF).

These initiatives benefited the current workforce of two thousand public employees at the San Caetano administrative complex, as well as the five hundred daily visitors who visit the complex for various administrative formalities.



Regarded as a Best Practice due to its alignment with the established criteria:

1. The action has been effectively communicated to the beneficiaries, potential beneficiaries, and the general public:

The various works undertaken have been extensively publicised through various communication channels, as detailed below.

The print media outlets "La Voz de Galicia" and "El Correo Gallego" covered the various renovations planned by the Xunta de Galicia for the buildings within the San Caetano complex. "La Xunta reforma su sede central de San Caetano y cambiará sus 1.125 ventanas" (*The Xunta renovates its central headquarters in San Caetano and will change its 1,125 windows*) and "La Xunta destina 7,3 millones a obras de restauración y mejora energética en el Complejo de San Caetano" (*The Xunta allocates 7.3 million euros for restoration and energy improvement works at the San Caetano Complex*):

SANTIAGO

Los andamios toman el exterior de la Xunta para la mayor reforma del complejo de San Caetano

R.M. SANTIAGO / LA VOZ



XOAN A. SOLER

Presupuestada en 6,5 millones, la intervención mejorará las condiciones energéticas de cinco edificios

07 jun 2018 . Actualizado a las 05:00 h.

elCorreoGallego

GALICIA MÁS NOTICIAS DEPORTES ECONOMÍA SOCIEDAD OPINIÓN TENDENCIAS MÁS «

La Xunta destina 7,3 millones a obras de restauración y mejora energética en el complejo de San Caetano

Las actuaciones consistirán en la sustitución de carpinterías y vidrios, rehabilitación de fachadas, aislamiento de cubiertas y cambio de iluminación a LED



Bugallo Sánchez)

El Gobierno gallego ha aprobado este jueves la contratación de obras de restauración y mejora de la envolvente térmica de los edificios del complejo administrativo de San Caetano. El presupuesto de licitación ronda los 7,3 millones de euros, cofinanciados por el Fondo Europeo de Desenvolvemento Rexional (Feder).





The different steps in the tendering process, as well as the start of the project's execution, were announced on the Xunta de Galicia website.





Furthermore, the Xunta de Galicia created a video that provides a detailed explanation of the operation. This video has been shared through official Xunta de Galicia profiles, including social media platforms.

las cerca de 2.000 personas que trabajan en él y las alrededor de 500 que lo visitan diariamente para realizar sus gestiones con la



The explanatory video of the project was specifically disseminated on Twitter.

Moreover, various posters were strategically placed both inside and outside the San Caetano buildings, containing information about the project's objectives and anticipated outcomes. These posters prominently highlighted the financial support received from the European Union.



Additionally, a permanent plaque has been installed in a highly visible location within the San Caetano administrative building acknowledging the co-financing of the project with funds from the European Regional Development Fund (FEDER).

2. The action includes cutting-edge features.



In the refurbishment of the San Caetano Administrative Complex. efforts have been made to enhance the building's air conditioning and decrease its energy usage.

To achieve this, the project uses the SATE system, a thermal insulation system designed to improve the building's thermal envelope. Additionally, the windows have been upgraded, replacing single-pane glass with double-glazed windows that have low-emission coatings and solar control. The use of chestnut wood joinery not only enhances thermal insulation but also resolves the old problem of poor water tightness related to the poor current sealing.

Furthermore, new ventilation systems have been implemented in order to update the building's air conditioning. These systems incorporate heat recovery units, which have played a substantial role in conserving energy within the building while also enhancing the comfort and healthiness of the indoor facilities.

The measures adopted ensure the optimal use of natural light and responsible electricity consumption. Consequently, the previous lamps and lighting fixtures have been substituted with LEDs; and an artificial lighting control system has been established, enabling users to adjust the lighting as per their requirements. Brightness sensors have also been installed.

3. Adequacy of the results obtained to the established objectives.

The interventions implemented in the construction system, as well as the air conditioning and lighting systems, have played a crucial role in enhancing energy efficiency. Consequently, they have successfully reduced the environmental footprint of the San Caetano administrative building, the headquarters of the Xunta de Galicia.

It is now imperative to consider measuring or quantifying the anticipated or attained impact, using productivity indicators and programmed results associated with the co-financed activity.

4. Contribution to the resolution of a problem or weakness detected in the territorial area of implementation

The detected issues were insufficient insulation in the roofs, façades, and windows. The windows lacked thermal bridge breaks, were single glazed, and had problems with the closing mechanisms. Additionally, the lighting and air conditioning systems were inefficient.

To tackle these concerns, measures were implemented, including roof waterproofing, thermal insulation of the roof and façade, window replacement, and the upgrading of lighting and air conditioning systems. As a result, the building's energy efficiency has been significantly improved. This has led to a notable increase in user comfort while simultaneously reducing energy consumption, associated costs, and the emission of harmful gases into the atmosphere.

5. High degree of coverage of the target population

Not only the employees of the San Caetano Administrative Complex but also the general public visiting the premises for various administrative procedures have benefited from these actions.

Initiatives like this project play a crucial role in introducing efficient and environmentally responsible systems, resulting in a significant reduction in the consumption of non-renewable energy. In this particular case, a reduction of up to 20% has been achieved. Through such endeavours, Public Administrations not only educate but also foster environmental awareness among citizens.

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

The criteria for awarding the agreement in the tendering process encompassed various factors, including the requirement for a health and safety plan tailored to the project and the specific demands of the work. This plan emphasised coordination with the activities of the centre, collective protection measures, and the coherence of resources allocated to the project. Additionally, the criteria focused on an environmental action plan, emphasising waste estimation and reduction, reuse, recycling, and recovery practices. The plan also included provisions for the separation, storage, and disposal of waste materials. Furthermore, the tender process aimed to prioritise companies that promote social inclusion in the labour market; preference was given to companies with a workforce comprising more than 2% permanent disabled workers.

All the actions within this project shared a common objective, which was to enhance the building's energy efficiency, decrease consumption, and subsequently reduce the associated costs and the emission of harmful gases into the atmosphere.

7. Synergies with other policies or instruments of public intervention

This project has been developed in alignment with the initiatives outlined in the Feder Galicia 2014-2020 Operational Programme, which focuses on energy conservation and efficiency in the regional public administration. The primary objective of this project is to optimize the energy usage of the San Caetano Administrative Complex, the central headquarters of the Xunta de Galicia.

The San Caetano Administrative Complex is included in the Special Plan for the Protection of the Built Heritage of Cultural Interest in the municipality of Santiago de Compostela. Hence, utmost care has been taken to ensure that all interventions undertaken comply with the regulations specified in this plan.

The construction and energy efficiency measures implemented in this project adhere to the regulations outlined in the Regulations on Thermal Installations in Buildings (RITE).

Furthermore, the initiatives aimed at energy conservation and efficiency in the Regional Administration are carried out within the framework of the Plan for Energy Saving and Efficiency in Public Administration 2011-2020.







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