

Energy resources use optimization

The Câmara Municipal de São Filipe has also been equipped with 3 compact weather stations “MeteoINT”, designed and developed by the SOSTURMAC project. These devices monitor the building to apply simple actions such as closing or opening windows, shutters or doors to improve its thermal conditioning. These actions, when carried out on time, will guarantee the thermal comfort of the building without consuming additional energy.



The sustainable interventions carried out by the SOSTURMAC project in São Filipe demonstrate the viability of these type of action and set a precedent for its possible replicability in other historical heritage buildings, consolidating the Municipality of São Filipe as an example of sustainability applied to historical heritage.

Other tools or resources developed by the SOSTURMAC project, such as the Cape Verde Cultural Heritage Manager or the SOSTURMAC Sustainable Routes reveal the amount of heritage resources available in the city of São Filipe and that must be conserved so that ecotourism and cultural tourism become an opportunity for socioeconomic improvement.



PROYECTO COFINANCIADO
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The Municipal Chamber of São Filipe

an example of sustainability

Committed to preserve the unique architectural heritage of São Filipe, renewing it and improving its sustainability, by installing a fully integrated and functional photovoltaic solar energy system on its roof, making improvements to its envelope to increase its energy efficiency and making a good use of the resources.

The Câmara Municipal de São Filipe participates as partner in the European SOSTURMAC project, aimed at the sustainable revaluation of natural and architectural heritage and development of low-carbon tourism initiatives in the Canary Islands and Cape Verde. The project is co-financed by the INTERREG MAC 2014-2020 Program and The Câmara Municipal de São Filipe has been beneficiary of a sustainable intervention in its headquarters building.

In addition, the historic center of the city has been recently improved through the execution of a project to requalify the Plaza Juan Paes, annexed to the headquarters building of the Câmara (Plaza 4 Setembro) within axis IV of the PRRA Program of the Ministry of Culture and Creative Industries, coordinated through the IPC and executed in coordination with the actions of the SOSTURMAC project.

These two actions, together with the recent appointment of the island of Fogo as World Biosphere Reserve by UNESCO, will contribute to add value to the island's tourist offer, orienting it to new market trends related to cultural and scientific tourism and nature and the environmental awareness of travelers.

Sustainable SOSTURMAC intervention at CMSF

The SOSTURMAC project has carried out an intervention to improve the energy sustainability of the Câmara de São Filipe headquarters building, a national heritage asset of great interest. This intervention has been based on two pillars:

- **Improvement of the energy efficiency of its envelope.** The carpentry of the building has been renewed to improve its thermal inertia and shutters have been provided to reduce solar incidence. This will allow users to find thermal comfort easily, without the use of extra energy consuming appliances, which will eventually reduce their final energy consumption.



- **Installation of a photovoltaic solar plant on the roof.** A 5,940 W self-consumption photovoltaic plant was installed on the roof and interconnected with the electricity grid. This PV plant will allow 6,640 kg / CO₂ annual average emission reduction from the electricity savings



This intervention was carried out following the principles of intervention in national heritage respecting the cultural value of the property at all times. To this end, an intervention and sustainable conservation of architectural heritage criteria guide was developed, aiming to serve as enhancement proceeding guide for the national heritage buildings in the Historic Center of São Filipe and other historic centers of Cape Verde.