

Realization of a decarbonized area in Nagasaki City, combined with historical and tourism town development

With global warming and various extreme weather problems, carbon neutrality, an initiative to reduce greenhouse gas emissions to net zero, is becoming highly important.

In Japan, the ratio of renewable energy is not high among developed countries, due to geographical situations including the lack of plains in the country.

To achieve carbon neutrality in 2050, the government has selected advanced regional initiatives as "Decarbonization Leading Areas" and has been promoting the "Decarbonization Domino effect" to spread these initiatives throughout the country and realize and accelerate decarbonization.

We have been working on a number of decarbonization projects in cooperation with local stakeholders as well as the NTT Group.

In Nagasaki City, which is involved in this project, the local economy has stagnated due to the decline of the fisheries and shipbuilding industries, and revitalization of the local economy is an important issue.

We focused on Nagasaki City's abundant tourism resources and considered that we could solve the problem by combining them with decarbonization efforts.

Therefore, we decided to promote Nagasaki City version of sustainable tourism that combines "historical culture," "night view tourism" and "decarbonization".

Through this initiative, we aim to both revitalize the local economy and decarbonize Nagasaki City.

Nagasaki City and we are working together with the local community, the Tourist Convention Association, and local university to realize local decarbonization and tourism promotion.

Our actions have been evaluated as a leading Decarbonization Domino effect program, and in November 2023, The Ministry of the Environment has adopted our project as one of the Decarbonization Leading Areas.

We are promoting three initiatives for regional revitalization and decarbonization.

The first is to provide our expertise for decarbonization.

We establish an energy management system for building facilities and implement energy-saving

measures for historic buildings.

The second is to increase the value added of tourism.

We promote Nagasaki City version of Sustainable Tourism so that visitors can experience historical culture in unison with citizens of Nagasaki City.

The third is to refine night view tourism.

We contribute to accelerate the nighttime economy by decarbonizing night lighting facilities.

We are responsible for formulating comprehensive strategies and supporting the promotion of these initiatives.

This initiative promotes the decarbonization of the city's major tourist attractions, including many World Cultural Heritage sites (the Oura Church, the former British Consulate, the former Glover House), historic buildings and nightscape lighting overlooking Mt. Inasa, one of the world's new three best night views.

These areas face many restrictions on facility renovation to maintain the historic townscape.

Amid the restrictions, we are implementing thorough energy-saving improvements while taking into consideration the landscape, supplying renewable energy to the city through local new power companies, and raising awareness of environmental issues for citizens and tourists with environmental education in collaboration with a local university and a MaaS application.

We estimate that these efforts will reduce CO2 emissions by approximately 60,000 tons, which is equivalent to the amount absorbed by 200 hectares of forest.

We believe our expertise in decarbonization projects in areas such as Nagasaki, which have many restrictions on facility renovation, should be extended to other areas of Nagasaki City, and furthermore, to other projects in Japan that are facing the same problems.

We continue our contribution to realize Japan's goal of a "Decarbonization Domino effect".