

Case Study: Alisios Canteras Hotel

Instalation of Q-ton system for DHW in Alisios Canteras Hotel

Information:

Project: Alisios Canteras Hotel, Las Palmas de Gran Canaria
Project outline: Installation to supply the hotel with Domestic Hot Water
Product: One MHI 30kw Q-ton system
One 1,000 litre storage tank installed indoors



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The Alisios Canteras hotel is located in Playa de las Canteras, on the island of Las Palmas de Gran Canaria, in surroundings ideal for contemplating an unmatched sunset or for enjoying the clement weather with an average temperature of 21°C. This 3 star hotel has accommodation of 130 beds.

In order to replace the domestic hot water (DHW) system of the hotel, while prioritizing its energy efficiency, a Q-ton unit was installed along with a special 1,000 litre tank connected to the existing 3,000 litre conventional tank, to meet the hotel's demand of 5,740 litre per day. The former DHW system was delivered by of a gas boiler.

The Q-ton unit was placed on the roof of the hotel, while the storage tank was kept inside the building offering greater protection from adverse climate conditions.

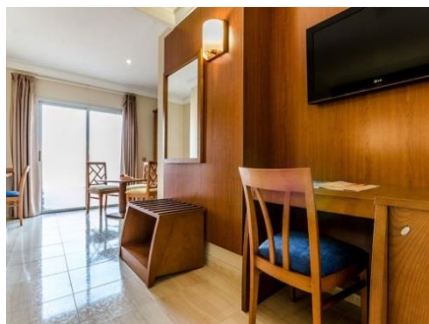
The Q-ton has a special blue-fin coating that protects the unit from corrosion and from the aggressive maritime environment. This extra protection is essential for any project located in coastal areas such as Canary Islands.

The system was set to supply domestic hot water at 60 °C.

The average COP of this installation is 4.71 generating an estimated 64% running cost savings compared to previous gas boiler. The estimated CO2 emissions reduction is 41%.

The payback period is expected to be less than a year (compared to the gas boiler previously installed), then the customer will start to benefit from the savings.

Mitsubishi Heavy Industries is a multinational Japanese company committed to conserving the environment with an avantgardist vision.



"I was looking for an efficient solution in harmony with our philosophy of respect to the environment and also attracted by annual consumption savings. I recommend MHI's Q-ton system to any hotel that takes into account these criteria."

Ignacio Pérez
Owner

