

Case Study: Sports Centre Gallur (Madrid)

Installation of Q-ton to supply sanitary hot water in a sports centre in Gallur

Fact File:

Project: Sports Centre Gallur , Madrid
Project Outline: Installation to provide domestic hot water to the changing room and showers
Product: One MHI 30kw Q-ton system
One 2,000 litre storage tank



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The Gallur Sports centre, located in one of the emblematic areas of central Madrid, offers outdoor sports facilities: a large fronton, 14 tennis courts, 12 lanes for swimming, football and handball pitches, as well as an indoor sports area including multipurpose fitness rooms and an indoor pool.



In this sports centre, which has made an ambitious expansion, a system that would cover the DHW demand efficiently and profitably was required. That is why the Q-ton system solution was chosen.



The installation was accomplished with a Q-ton unit along with a 2,000 litre tank supplied by MHI to meet the demand of 1,750 litre / day of the changing rooms and showers.

The installation of Q-ton and the storage tank was held indoors. The Q-ton solution can be configured for an indoor and/or outdoor

installation, offering a greater versatility and flexibility to suit the customer needs.

The new system is now storing and supplying sanitary hot water at 60 °C.

The average COP of this installation is 4.56 generating an estimated 62% running cost savings compared to an oil boiler. The estimated CO₂ emissions reduction is 66%.

The payback period is expected to be 3.6 years (compared to an oil boiler), the date when 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.