



Heat from the ice hockey arena

Project	Waste heat recovery at the open-air artificial ice rink Davos.
Place	Davos, canton Grisons
Project owner	Municipality of Landschaft Davos
Savings	With the recovered waste heat energy of around 1'300 MWh, the aquacentre saves an annual 130'000 litres of fuel oil, reducing CO2 emissions by 1'550 tonnes over the period 2008 to 2012.
Investments	It was the prospect of support by the Foundation which decided the municipality to go ahead with the project. The Foundation's contribution amounts to 160'000 Swiss Francs, for a total investment of around 1 million Swiss Francs. This decision in favour of a sustainable solution seems to make sense for the municipality of Landschaft Davos: in the medium-term, it is aiming to connect further users to the waste heat grid.

Description

At the Vaillant Arena Davos, in winter home to the Hockey Club Davos (HCD) and the Spengler Cup, the production of cold generates much unused waste heat.

Due to Climate Cent Foundation

The municipality of Landschaft Davos decided to make use of part of this waste heat, which now serves to heat the swimmers' pool, the multi-use pool and the outdoor pool of the aquacentre eau là là, located 420 m away, reducing the facility's fuel oil consumption. The waste heat of the open-air artificial ice rink Davos is recovered using a desuperheater and a heat pump with a capacity of around 330 kW. The heat is transported to the aquacentre via a district heating pipe.

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