

Residual heat renewable energy

Interreg
North-West Europe



Co-funded by
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RE-Greenhouse

GREENHOUSE HEATED BY RESIDUAL HEAT

The pilot site is 70 000 m² commercial glasshouses located in Briec, in the Brittany region. The glasshouses, built in 2010 and 2013, are equipped with thermal screens and grow soilless cherry and trust tomatoes.

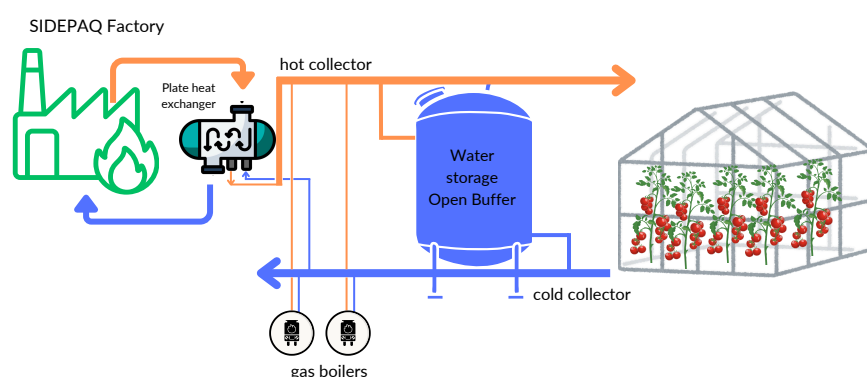
Since 2010, the greenhouses have been heated by a SIDEPAQ factory (incinerator) 400m away. The warm water, between 48 and 55°C, is distributed through a pipe rail system in the ground and a double tube located within crop.

The tomatoes are sold under the SAVEOL brand.



Regis Ollivier tomato grower
with the CTIFL Team

HEATING SYSTEM EXPLANATION



The heat is supplied by the incineration plant (SIDEPAQ) with 9MW. The heat is available through a heat exchanger. The grower uses two gaz boilers to support plant maintenance. He also has 2x250 m3 Open Buffer water storage.



Arrival of the heating network in
the boiler room



Gas boiler back-up

RE-Greenhouse is an Interreg NWE project aimed at accelerating the transition from fossil fuels to renewable energy in greenhouse horticulture. Follow the project website for more information.

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