



## Solar Process Heat Installation

*Eisvogel Hubert Bernegger, Upper Austria*

### Summary description

The company "Eisvogel", owned by Hubert Bernegger, in Moll/Upper Austria is active in fish production and trade and produces fish and fish products.

### Background

Process heat is needed for the washing system for boxes, partial heating of the office and for hot water for the wash basins in the production area.

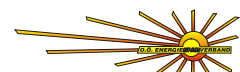
The solar process heat installation was implemented when the enlargement of the production area was necessary. At that time, a new energy supply concept was discussed and implemented.

#### Technical data:

- year of construction of the solar thermal system: 2009
- 44 m<sup>2</sup> solar thermal collectors
- 1,500 litre buffer storage tank
- 1,000 litre hot water tank
- Temperature level required: 60°C + 38°C

### Technical description

The solar thermal system replaces a liquid gas installation for hot water production. The solar process heat installation can be run very efficiently by being combined with waste heat utilisation of an air compressor system. Waste heat of the air compressors is also feed in the buffer storage. In total, 30,000 Euro were invested in the solar thermal system.



## Results & conclusions

The enlargement of a production process is a good moment to think about modernising the energy supply system. This was also the case at Eisvogel, where the enlargement of the production area was combined with the installation of a solar thermal system for process heat.

