

# New Heat Supply for Aproz



Filling of PET drinks bottles at Aproz Sources Minérales SA. Photo: Charles-Elie Lathion

**Currently, the building heating and hot water production at the site of the drinks manufacturer Aproz Sources Minérales SA is powered entirely by the burning of natural gas. In connection with the modernisation of the bottle blowing system, this project will see previously unused waste heat incorporated into the heat supply. Around 20 per cent less natural gas will be used as a result of the improvement in energy efficiency.**

The Migros industrial business Aproz Sources Minérales SA produces and bottles mineral water, sodas, syrup and fruit juices. The heat supply for the entire site is currently powered by natural gas firing and distributed via a hot water network. Unavoidable heat loss, which occurs during industrial processes, is transported via the groundwater cooling system into the environment in the form of waste heat. Since the current heating supply can be maintained at relatively low cost, modernisation is not beneficial from a purely economic perspective. In light of this, a one-off investment from the M-climate fund will subsidise this climate-friendly solution.

**Aproz Sources Minérales SA transports its products by train since 1961, uses recycled PET wherever possible and has 5,475 m<sup>2</sup> of photovoltaic modules installed on the roof of the site. The project to reuse our waste heat became a matter of course for continuing along the sustainable development path**

**Christian Briguet, Site Manager, Aproz Sources Minérales SA**

Large quantities of waste heat are generated during the production of PET bottles in particular. As part of this project, the waste heat from the air

## **Project type:**

Energy Efficiency

## **Project location:**

Aproz, Switzerland

## **Project status:**

In planning, exclusive

## **Annual CO<sub>2</sub> reduction:**

322 t CO<sub>2</sub>e

## **Situation without project**

Fossil Fuel-Powered Building Heating and Hot Water Production

## **Partner**



## **Project standard**



compressors and the condensation heat from the gas heating system will be incorporated into the site's heat supply. By means of an efficient medium temperature network, the heat will be used for heating the building and producing warm water. Thanks to this scheme, the consumption of natural gas and water will be reduced along with CO<sub>2</sub> emissions. The necessary technical components are being subsidised through a one-off investment contribution from the M-climate fund.