



## **CALPEX/CASAFLEX-Project San Bernardino, Switzerland, 2024**

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## Project

An innovative district heating project was completed for Centro Manutenzioni in San Bernardino in the canton of Grisons. The project consisted of the installation of CALPEX and CASAFLEX lines to supply the new fire brigade building with sustainable energy.

## Execution

The construction work started in September 2024 and was carried out in several stages.

The CALPEX PUR-KING was laid in dimensions 75+75/202 (DN 65) and 63+63/182 (DN 50) over a length of 48 metres. These CALPEX lines are responsible for supplying the building with heat, hot water and cooling air by two heat pumps.

The CASAFLEX UNO, with a length of 86 metres and dimension DN 65, was used for the regeneration of probes that are heated by solar collectors. These probes were specially designed for the use of renewable energies.

One of the greatest challenges of this project was the precise coordination of the installation work due to the demanding topography and the specific requirements of the solar collectors and heat pumps. Thanks to the close collaboration with the engineering office and the partners involved, it was possible to complete the project on schedule.

