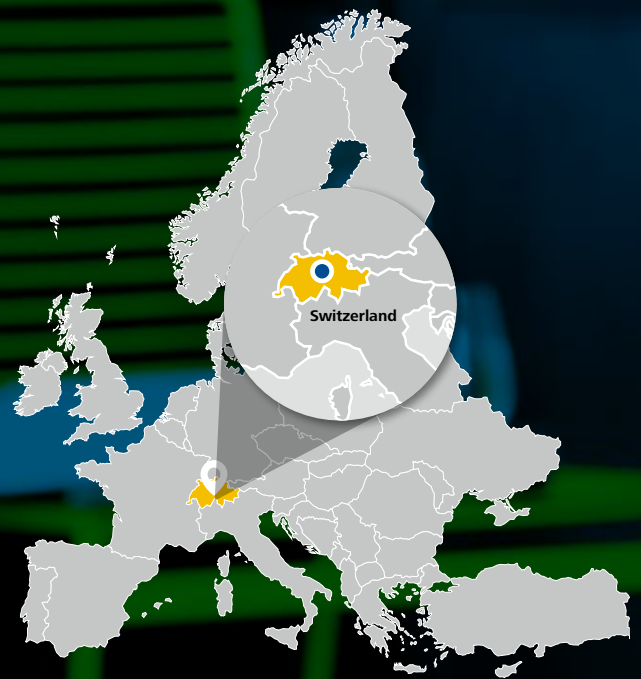


SWISS SMART HEATING SWITZERLAND

An intelligent heating device for
tenants and homeowners



South Pole, on behalf of the KliK Foundation, operates a climate protection project with a focus on the reduction of CO₂-emissions from space heating generation. Through the sale of smart electronic Thermostatic Radiator Valves (TRV) called Danfoss Living Eco, this project contributes combating climate change in Switzerland. The end customer benefits from energy savings of up to 23% in their household.

The Context

A third of Switzerland's energy consumption goes to space heating, where most of the households use oil for heating, followed by gas which contributes to the total greenhouse gases emitted in the country. Danfoss Living Eco TRVs improve heating efficiency in buildings, but often financial obstacles, fear of comfort loss, technical problems or a lack of knowledge can slow down the adoption of more innovative technology.

The Project

South Pole collaborates with Danfoss Switzerland to increase the adoption rate of this sustainable heating technology. The electronic TRV living eco by Danfoss is easy to handle and offers high energy efficiency. It incorporates two pre-installed energy-saving programs that depend on the usual diurnal routine. The "open window" function additionally helps to save energy by automatically regulating the heating load when a room is aired. Since the beginning in late 2015 until early 2018, approximately 5000 household have installed Danfoss living eco.

The Benefits

This project continuously reduces carbon emissions by providing a more efficient use of fuels for heating. The emission reductions are monitored by South Pole, verified by an independent auditor and certified by the FOEN. The emission reductions are then passed on to the KliK foundation. In return the end users receive an environmental discount of 15 CHF on their heating device. The project promotes energy efficiency and financial savings, thus promoting a viable way that the Swiss economy can transition towards more environmentally friendly pathways.

"Switzerland once again shows its strength of innovation. The country sets incentives to motivate people to environmentally-friendly behaviour, while also generating real cash benefits for both tenants and homeowners."

Benno Kollmann,
Managing Director at Danfoss
Schweiz



300
households

equipped with Danfoss Living Eco, improving energy efficiency and cutting costs in Swiss homes



106.5
tCO₂e

reduced on average between 2015 and 2016 by providing a more efficient energy alternative

For more information on the UN Sustainable Development Goals, please visit: <http://www.un.org/sustainabledevelopment/sustainable-development-goals/>

Official name: 0134 Programm zur Emissionsverminderung mittels elektronischem Heizkörperthermostat: living eco by Danfoss, 0134 Emission reduction programme through electronic Thermostatic Radiator Valves: living eco by Danfoss | **UNFCCC/markit/VCS link:** <https://www.bafu.admin.ch/bafu/de/home/themen/klima/fachinformationen/klimapolitik/kompensation-von-co2-emissionen/liste-registrierte-kompensationsprojekte/2-2--energieeffizienzsteigerung-in-gebaeuden.html>