



Technology Fund

GUARANTEES FOR INNOVATIVE CLIMATE PROTECTION

IMPACTFUL SUSTAINABILITY

Update Q4 2021



Impactful Sustainability

Good morning

We're pleased to provide you with our brief and compact quarterly overview of the technologies developed by the Swiss entrepreneurs in our portfolio.

Did you know that the Technology Fund finances companies that reduce carbon emissions and save resources in a wide variety of ways?

54% of the companies in our portfolio reduce carbon emissions directly and 46% reduce them indirectly. Direct reduction means that the reduction happens as soon as the technology is used. Indirect reduction requires the user to change their activities to realize the reduction.

“So far, the Technology Fund’s program has reduced carbon emissions by the equivalent of four million metric tonnes”.

Read more in the recently published [interview](#) on the SME Portal for small and medium-sized enterprises.

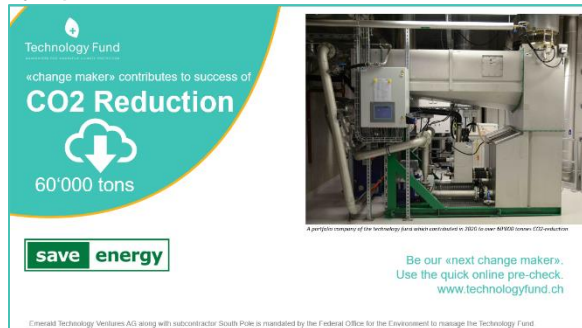


Simone Riedel Riley
Head of Technology Fund Management Agency

Positive impact through new technologies

Three examples of companies in our portfolio generating significant environmental benefits

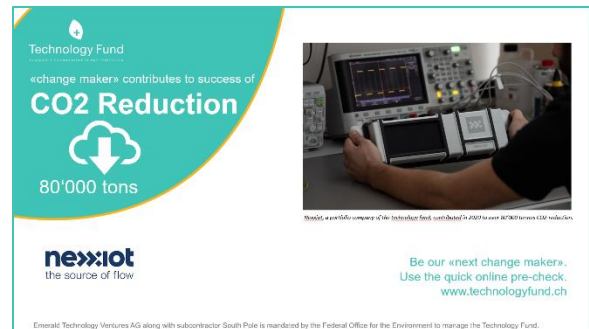
IS SaveEnergy develops and markets comprehensive solutions for combined emission control and heat recycling in wood-fired heating and power stations and industrial systems. The systems reduce carbon and other emissions and increase the efficiency of heating and power stations by up to 30%.



IS SaveEnergy's platforms conserved around 60,000 metric tonnes of CO₂ in 2020.

Nexxiot is digitalizing global logistics. To accomplish this, the company uses solar-operated IoT sensors, which are mounted to transport objects such as freight cars or containers. The data from the objects is collected and analyzed on a cloud platform, and clients can see the position and status of every object in real time.

To put this in perspective, a car with a gasoline engine (5l/100km) produces 2.4 metric tonnes of CO₂ per year (traveling 20,000 km), and a Swiss citizen generates about 4.3 tonnes per year.



In 2020 alone, Nexxiot's clients were able to reduce total carbon emissions by more than 80,000 metric tonnes through this greater transparency.

Nispera develops and markets software for owners of large wind energy and photovoltaic systems. The intelligent platform uses artificial intelligence to analyze the systems' SCADA data, weather forecasts, energy market data, and network data, so that their operation can be optimized. This increases the production of renewable energy.



Systems optimized using Nispera reduced their carbon emissions by over 100,000 metric tonnes in 2020.

New companies in the Technology Fund portfolio

The Technology Fund has received 493 applications for loan guarantees since the end of 2014. The Technology Fund portfolio currently includes **110 innovative Swiss companies** that make a valuable contribution to reducing greenhouse gas emissions in accordance with the CO₂ Act. Loan guarantees **amounting to CHF 188 million** give these companies access to attractive bank loans. The Fund currently has a **total of CHF 350 million** available to grant as loan guarantees.

Congratulations!

We wish the exciting new additions to our portfolio further success in the future. Learn more about these companies in the [short profiles on our website](#): Aeris Cleantec AG, aliunid AG and MaxWell Biosystems AG.



Are you a change maker too?

Find information on our website, ask questions in our next [webinar on November 4, 2021](#), or conveniently check online whether you meet the criteria for submitting a [loan guarantee request](#). If you have any questions, you can contact us at any time.

4 November 2021, 1.00 p.m. [join the meeting](#)
Dial-in: +41 43 210 57 45 /
Conference ID: 965 524 795#

Webinar

«Loan Guarantees for innovative Technologies»



Technology Fund

GUARANTEES FOR INNOVATIVE CLIMATE PROTECTION



Simone Riedel Riley
General Manager
Technology Fund

Guest Speakers:



Andrew Thomas
Managing Director
Helvetica Capital AG



Stefan Kalmund
CEO
Nexxiot

Pioneers

What specific development did the guarantee make possible?

Eternity AG

How helpful was the loan guarantee from the Technology Fund?

“We are doing everything we can to contribute to an efficient and rapid energy transition. This means we have to make the continuous development of our scalable software solution a major priority, but also push ahead with our international market expansion. The loan guarantee from the Technology Fund is helping us to do just that.”



What specific development/achievement did the guarantee make possible?

“Thanks to the guarantee from the Technology Fund, we can enhance our software solution with important new technologies and functions. With the Eternity software, homeowners can now get competent advice on the best sustainable heating system for their needs in just a few clicks, and also combine it with a photovoltaic system, a solar thermal system, or a charging point for electric vehicles if they want.”

Doris Frehner

Member of the Management Board, Business Development Manager

LEDCity AG

How helpful was the loan guarantee from the Technology Fund?

“The guarantee from the Technology Fund has been a great help to LEDCity AG. It has brought us a step closer to realizing our vision of reducing electricity consumption from lighting by 80 percent.”



What specific development/achievement did the guarantee make possible?

“Thanks to the guarantee from the Technology Fund, we can keep developing and improving our energy-efficient lighting solution to create even more value for our customers. At the same time, it has enabled us to keep expanding, so that companies throughout the whole of Europe will be able to reduce their energy consumption and save money.”

Patrik Kuster, CSO

Get started now



Next webinar

Our next **Technology Fund webinar** will take place on **November 4, 2021, at 1:00 – 2:00 pm**. After a brief, clear introduction to the Technology Fund, we'll be available to answer your questions in a Q&A.

[Sign up now.](#)

Preliminary Check

Is the Technology Fund right for your project?

With our [five-minute online check](#), you can find out whether your company and innovation project meet the Technology Fund's criteria. Alternatively, watch our [three-minute explainer video](#) for a presentation of the most important information.

Bürgschaften für innovative Technologien

Any questions?

If you'd like to speak to us in person, you can contact our [team at the Technology Fund Management Agency](#) directly.

Stay up to date

Follow us on social media. We post regular news, updates and [media articles](#) on [Twitter](#), [LinkedIn](#) and our website. We wish you the best of luck with your projects! If you have any questions, please feel free to contact us.
