



Sustainability through technical innovations

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?

Environmental benefits can be achieved by:

- Reducing carbon emissions
- Improving energy efficiency
- Promoting renewable energies
- Conserving resources

“The companies financed with the Technology Fund’s help are benefiting the environment in a big way: last year, each portfolio company saved around 17,500 metric tonnes of CO2 equivalents on average.”

Read the recent [article](#) in Handelszeitung to find out more about the portfolio companies and the technologies they've developed.

Simone Riedel Riley
Head of Technology Fund Management Agency

Environmental benefits from new technologies

One example is QualySense. This company develops and distributes ultra-fast sorting systems for grains, seeds and beans. Its customers are producers of high-quality seed. The system can sort up to 3,000 grains per second. Using high-resolution NIR spectroscopy and 3D cameras, it can sort according to desired quality characteristics (e.g. protein content, color) with 99% accuracy. This reduces the amount of land needed for seed production and increases crop yields in the customers' fields, both of which conserve natural resources.

Customers using QualySense's technology reduced carbon emissions by around 40,000 metric tonnes in 2020.

To put this in perspective, one petrol engine (5l/100km) emits 2.4 metric tonnes of CO₂ per year (over a distance of 20,000 km).

The infographic is divided into two main sections. The left section is a teal curved banner with the 'Technology Fund' logo at the top, followed by the text '«change maker» contributes to success of CO₂ Reduction' and a large white icon of a cloud with a downward arrow, with '40'000 tons' written below it. The right section features the title 'QSorter[®], Advanced Sorting and Data Solutions' above an illustration of the sorting machine and several seeds. Below the machine, it says 'Breeding, Inspection and Sorting of Seeds, Grains and Beans' and 'from 30 to 3'000 kernels per second, ONE BY ONE'. At the bottom right, it encourages users to be the 'next change maker' and provides the website 'www.technologyfund.ch'. The QualySense logo is positioned at the bottom left of the infographic area.

Technology Fund
«change maker» contributes to success of
CO₂ Reduction
40'000 tons

QSorter[®], Advanced Sorting and Data Solutions

Breeding, Inspection and Sorting of Seeds, Grains and Beans
from 30 to 3'000 kernels per second, ONE BY ONE

Be our «next change maker». Use the quick online pre-check.
www.technologyfund.ch

QualySense

QualySense is a portfolio company of the technology fund and contributed in 2020 to over 40'000 tonnes CO₂-reduction.

You can find further examples on LinkedIn.

New companies in the Technology Fund portfolio

The Technology Fund has received 473 applications for loan guarantees since the end of 2014. The Technology Fund portfolio currently includes **107 innovative Swiss companies** that make a valuable contribution to reducing greenhouse gas emissions in accordance with the CO₂ Act. Loan guarantees **amounting to CHF 183 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. Read the [short profiles on our website](#): Archilyse AG and Cleveron AG.



Archilyse

CLEVERON

Are you a change maker too?

Then attend our next [webinar on September 7, 2021](#). You can also check online right now whether you meet the criteria for submitting a [loan guarantee application](#). If you have any questions, you can contact us at any time.

Pioneers

What specific development did the guarantee make possible?



Smart-me AG

“The financial support from the Technology Fund helped us evolve from a small tech startup into one of the industry’s leading companies. The guarantee enabled us to develop new types of electricity meters and a revolutionary electric charging point. With these innovations, we are helping to drive digital transformation in the energy industry.”

[David Eberli, Founder and CEO](#)



Designwerk Technologies AG

“The loan guarantee from the Technology Fund was essential. We were only a small startup at the time, so it gave us the funds we needed to start producing in-house. Without the guarantee, getting our hands on so much capital would have been very difficult at that stage of the company’s existence. The guarantee enabled us to establish our own production facility in Winterthur, where we currently employ 60 people on a permanent basis. Our company now builds up to eight electric trucks a month.”

[Adrian Melliger, CEO](#)

Get started now



Next webinar

Our next Technology Fund webinar will take place on September 7, 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.

Climate protection through innovative technologies

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.

Be our next change maker.

Boost your business with a loan guarantee and be one of over 100 Swiss companies in our portfolio whose innovative technologies contribute to a sustainable reduction in greenhouse gas emissions. Use the QR code for a quick pre-check. www.technologiefonds.ch

Technology Fund
GUARANTEES FOR INNOVATIVE CLIMATE PROTECTION

Francesca Tancini
FLUIDSOLIDS AG

Claudio Sedivy
Wildbiene + Partner

Urs Martin Springer
Blockstrom AG

Paul Müller
Explosion Power GmbH

Karin Jeanneret Vezzini
ennos ag

Marie So
EGO Movement

Ulrich Amberg
SwissDrones

Moritz Meenen
ElectricFeel AG

Stefan Zöllig
Timber Structures 3.0 AG

Francesco Dell'Endice
QualySense

Judith Ellens
Eaternity AG

Emerald Technology Ventures AG along with subcontractor South Pole is mandated by the Federal Office for the Environment to manage the Technology Fund.

Example ad concept 2021 – NZZ supplement KMU today II.