



# Technology Fund

GUARANTEES FOR INNOVATIVE CLIMATE PROTECTION

## Circular Letter

October 4, 2016

### AMPARD aggregates solar storage systems to virtual power plants aiming to stabilize the grid – an innovation backed by the Technology Fund

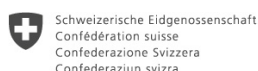
The managing company of the Swiss Technology Fund announces that the Federal Office for the Environment, FOEN granted another loan guarantee to an innovative Swiss SME: Ampard Ltd. located in Zurich.

Ampard Ltd. develops an energy management system that increases the share of self-produced electricity in single- and multi-family houses, which already use photovoltaic systems and battery storage devices. Furthermore, the energy management system AMPARD aggregates solar storage systems to a virtual power plant. These decentralized storage systems can help to stabilize the grid in storing excess grid power temporarily. Selling unused battery capacity to the frequency regulation markets means additional revenues for battery owners and accelerates the further expansion of renewable energies in a decentralized energy supply system. Simon Summermatter, CEO of Ampard Ltd., appreciates the support granted by the Technology Fund: „We are experiencing great demand for AMPARD and are about to increase market development activities in Switzerland, Germany and Benelux region. The loan guarantee helps to back this important investments.”

Simone Riedel Riley, Managing Director of the Technology Fund as well is optimistic about the future success of Ampard Ltd.: „An impressive amount of battery storage systems has already been installed and aggregated. Since April, aggregated small storage systems with less than 10kW power are already generating revenues on the frequency regulation markets – a pioneering achievement in Europe. In addition, important energy provider in Switzerland and Germany have been won as distribution partner and will support sales growth remarkably.”

Innovative SMEs, which are developing and marketing climate friendly technologies, can apply for a loan guarantee of up to CHF 3 million from the Technology Fund. The application form is available online at [www.technologyfund.ch](http://www.technologyfund.ch).

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# Technology Fund

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## Technology Fund

The Technology Fund is an instrument of Swiss climate policy implemented by the Federal Office for the Environment, FOEN. The Fund grants loan guarantees to Swiss small and medium-sized enterprises (SME) which are developing and marketing innovative technologies to reduce greenhouse gas emissions, to use electrical energy more efficiently, to promote renewable energy or to protect the natural resources. [www.technologyfund.ch](http://www.technologyfund.ch) and [www.bafu.admin.ch/tech-fonds](http://www.bafu.admin.ch/tech-fonds)

## Ampard Ltd.

Based in Zurich, Ampard Ltd. develops and markets the AMPARD energy management system that maximizes revenues from decentralized and heterogeneous micro power plants through virtual power plant functionalities. According to Navigant Research, the company is one of the ten global leaders in providing decentralized energy storage solutions and energy IoT. Storage systems operated using AMPARD were the first swarm storage aggregations in Europe officially authorized to supply primary control reserve. [www.ampard.com](http://www.ampard.com)

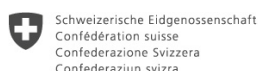
## Emerald Technology Ventures

Emerald is a globally recognized investment firm in the areas of energy, water, advanced materials, agriculture and industrial IT. Founded in 2000, the company has raised three Venture Capital Funds, completed almost 60 venture investments, been a trusted partner for numerous multi-national corporations in their open innovation activities and managed three technology investment programs for third parties. From offices in Zurich, Switzerland and Toronto, Canada, Emerald has managed assets of over USD 660 million to date. [www.emerald-ventures.com](http://www.emerald-ventures.com)

## South Pole Group

South Pole Group is a well-recognized sustainability solutions and service provider. The company specializes in the design and promotion of market mechanisms to fight climate change. Its expertise includes renewable energy, forestry, agriculture and water. The company's headquarter is located in Zurich/Switzerland, it runs 17 offices worldwide. South Pole Group has been awarded Best Project Developer by Environmental Finance in 2015 for the fifth consecutive year. [www.thesouthpolegroup.com](http://www.thesouthpolegroup.com)

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