



What is teraloop?

Teraloop is developing a kinetic energy storage system through an innovative fusion of electromagnetic technologies, each already proven in its existing application. Electrical energy is converted to stored kinetic energy, then harvested as required.

Where will teraloop pilot its flywheel energy storage technology?

With financial support from the European Commission in the framework of Horizon 2020, Teraloop will pilot its flywheel energy storage technology on Terceira Island, Azores archipelago. Teraloop is a kinetic energy storage solutions provider for Sustainable Mobility and Distributed Energy operators.

Could teraloop be a future alternative to batteries?

Teraloop is a grid-scale energy storage system that can provide a future alternative to batteries. Imagine a way to store energy that can meet the needs of the population, and provides a zero-waste solution that respects the Earth's natural resources. Growth no longer needs to come at the detriment of their environment. This is their long-term

What is a teraloop rotor?

Teraloop's rotor is hub-less, which allows for up to 5 times higher energy storage capacity compared to a rotor with a central hub. To maximize both storage capacity and sustainability, the rotor is made of light-weight, strong and recyclable carbon fiber composite as well as a mechanically durable magnetic composite.

Why is teraloop a 'Solar Impulse efficient solution'?

Teraloop's hubless flywheel solution for battery lifetime extension, fast EV charging, microgrid optimisation and retrofitting has been awarded the "Solar Impulse Efficient Solution" Label, a proof of high standards in profitability and sustainability.

Why should you invest in teraloop?

Business Finland has provided invaluable support for both matched-funding and business network development, both locally and overseas. Yaskawa Electric Corporation completed a strategic investment in Teraloop during March 2017. This equity investment enabled Teraloop to accelerate the steps needed to bring its storage solution to the market.



Teraloop was founded to conduct inherently responsible and sustainable business activities. We aim to act responsibly, with integrity and taking into consideration the socio-economic and environmental context in which we ???



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Teraloop is revolutionizing the world of energy storage, with an innovative and patented configuration of existing, proven technologies: MAGLEV, flywheels and brushless electric motors. Their system consists of a large scale magnetically ???



Lappeenranta, Finland (July 7 th, 2023) ???  
SpinDrive, a Finnish start-up specializing in active  
magnetic bearing solutions teamed up with  
Teraloop, a forerunner in flywheel on an ???