



Teraloop oy Wallis and Futuna

Who is teraloop?

Teraloop is a kinetic energy storage solutions provider for Sustainable Mobility and Distributed Energy operators. Our flywheels can be used as stand-alone or in combination with batteries, both individually or in arrays.

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.

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.

What is teraloop's flywheel technology?

Teraloop's flywheel technology is a member of the European Project IANOS (Integrated Solutions for the Decarbonization and Smartification of Islands), with a pilot on Terceira Island, in the Azores. Business Finland has provided invaluable support for both matched-funding and business network development, both locally and overseas.

Why did Yaskawa invest in teraloop?

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. The financing allowed the prototype to be finalised for a complete simulation in commercial working conditions.

Why should you invest in teraloop?

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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 ...

Founder and CDO - Teraloop Oy · Multidisciplinary, pragmatic and creative, I am passionate about



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innovation and entrepreneurship for the greater good. My decade of experience in my strategic, executive role at the intersection of commercial and technical departments in the energy deeptech world enables me to articulate a language understandable to both groups, and ...

Teraloop develops energy storage solutions with an innovative and patented configuration of existing, proven technologies like MAGLEV, flywheels and brushless electric motors.

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Find company research, competitor information, contact details & financial data for Teraloop Oy of ESPOO, Uusimaa. Get the latest business insights from Dun & Bradstreet.

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 operate, to show that developing a profitable and a inclusive business in a sustainable way is possible.

Winner of 2024: Teraloop Oy - Frequency control and battery protection with kinetic energy. Teraloop solves the daily power management needs of the energy transition with its patented, modular kinetic electrical energy storage system.

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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 ...

Teraloop is a Finnish electrical energy storage company. Our PowerLoop products provide stacked services to protect business from high power and energy costs and offer revenue opportunities by extending the provision of service of energy resources.

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Teraloop solves the daily power management needs of the energy transition with its patented, modular kinetic electrical energy storage system. Established in the Aalto innovation ecosystem in 2014, our vision is a fully renewable energy system.

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