

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

Why do we need teraloop?

This will require a substantial increase in effective energy storage, to ensure availability of supply, grid flexibility and reliability. Teraloop addresses that demand with scalable and sustainable solutions based on our patented kinetic energy storage, offering a low cost of ownership for applications requiring heavy cycling.

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.

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.

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 ...

Kaupparehden yritystietopalvelusta löydät yrityksen Teraloop Oy taloustiedot, perustiedot, liikevaihdon ja rekisteritiedot. Klikkaa ja tutustu! Kauppalehti. Siirry

pääsisältöön. OMX ...

The five company partners each bring in their own unique expertise: 3Dstep Oy is specialized in advanced 3D-printing methods; Ramentor Oy is an expert in machine reliability and condition ...

Teraloop's mission is to help this backbone to perform in a cost-efficient and sustainable way. Sustainability and Positive Impact. At Teraloop, we deliver a product for the long term, designing for a circular economy and net-positive ...

Member - Teraloop Oy. Go back. Scalable flywheel energy storage for EV ultra-fast charging, renewable integration and DERMS. Type Startup or self-employed. Founded 2014. Company Size 15. Member Type. innovator. Founders Ted ...

Teraloop Flywheel. Power Loop 1000. The evolution of Teraloop´s hubless flywheel: increased power rating to 1000 kW and energy capacity fit in a compact solution, for applications requiring more power in less space. From 2025. View ...

Teraloop Oy Yrityksen Teraloop Oy (2644770-8) liikevaihto oli - euroa 2023 ja työlisti 13 henkilöä. Liiketoiminnan tappio oli -0,7 miljoonaa euroa ja liikevoittoprosentti oli -691,3 %. Yhtiön ...

Teraloop produces kinetic energy storage systems which provide a cost-effective solution to many current energy-related challenges such as the reliability of power supply, the flexibility of smart grids and distributed energy generation, the ...

Western Sahara [a] is a disputed territory in North-western Africa has a surface area of 272,000 square kilometres (105,000 sq mi). [3] Approximately 30% of the territory (82,500 km² (31,900 ...

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

The Energy and Innovation Awards 2024 was presented today. Winner of 2024 is Teraloop Oy. Teraloop Oy wins the The Energy and Innovation Awards 2024, also known as ...

At Teraloop, we deliver a product for the long term, designing for a circular economy and net-positive impact from the beginning. We are there to contribute to closing the loop for material usage and way of producing and storing energy. ...

Teraloop Oy on perustettu vuonna 2014. Se on osakeyhtiö, jonka kotipaikka on Espoo, ja pääasiallinen toimiala Tuotekehitys, tutkimus- ja suunnittelupalvelut. Yhtiön toimitusjohtaja on ...



Teraloop oy Western Sahara

Multidisciplinary, pragmatic and creative, I am passionate about innovation and entrepreneurship for the greater good. My decade of experience in my strategic, executive role at the ...

Teraloop addresses that demand with scalable and sustainable solutions based on our patented kinetic energy storage, offering a low cost of ownership for applications requiring heavy cycling. Our solutions distinguish themselves first ...

Teraloop Oy won the Oscar of energy technology - Energy and Innovation Awards 2024 13.03.2024 Side event 14.3: Nigeria-Finland Roundtable on Sustainable Energy ...

· Experience: Teraloop Oy · Education: Tampere University of Technology · Location: Hämeenlinna · 389 connections on LinkedIn. View Oula Tervo's profile on LinkedIn, a professional community of 1 billion members. ... Tampere, ...

Founder at Teraloop Oy | Innovation expert | Executive coaching & mentoring | Sustainability | Energy transition | Energy storage & technology | Public & private sector | Behavioural ...

Teraloop's "flywheels" have a useful life of more than 25 years and their composition of recycled and recyclable mechanical materials means that their product footprint ...

Contact us for free full report

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