

## European Solar and Energy Storage Solutions

# Bermuda teraloop oy



## Overview

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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.

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.

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.

Where is teraloop located?

Teraloop is located in Espoo, Southern Finland, Finland. Who invested in Teraloop?

Teraloop has 2 investors including Startupbootcamp Australia and Horizon

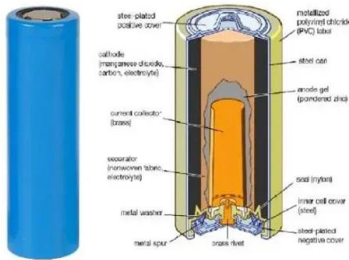
2020. How much funding has Teraloop raised to date?

Teraloop has raised €2.4M.

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.

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### Teraloop

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### Teraloop´s Vision, Goal and Mission

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 ...



### Teraloop Oy won the Oscar of energy technology

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 the Oscar of energy technology. Teraloop solves the daily power management needs of the energy transition with its patented, modular kinetic electrical energy storage system.

### Teraloop Oy

Teraloop Oy Yrityksen Teraloop Oy (2644770-8) liikevaihto oli - euroa 2023 ja työllisti 13 henkilöä. Liiketoiminnan tappio oli -0,7 miljoonaa euroa ja liikevoittoprosentti oli -691,3 %. Yhtiön omavaraisuusaste oli -5 %. Tarkista tilikauden tulos Yritysanalyysiraportilta tästä. Y-tunnus 2644770-8 Maa Suomi Postiosoite Vaisalantie 2



## Teraloop Oy

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.

## Teraloop´s Vision, Goal and Mission

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.



## Teraloop Oy , LinkedIn

Teraloop Oy , LinkedIn???????2,325??Sustainable energy. Stored. , 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.

**GRADE A BATTERY**

LiFepo4 battery will not burn when overchargedover discharged, overcurrent or short circuitand canwithstand high temperatures without decomposition.



**Teraloop Oy , ??**

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**Syed Husnain Tanweer Kazmi**

An electrical engineer with a demonstrated history of working in complicated R& D challenges involving building system from scratch. Interests and skills in field of high speed machines, magnetic bearings, magnetic levitation systems, energy storage and power and energy engineering. · Experience: Teraloop Oy · Location: Espoo · 500+ connections on LinkedIn. ...

**Teraloop Oy**

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 levitated rotor, which is charged and accelerated when surplus energy is

available, and then discharges into



## Teraloop access to new frontiers through strategic partnership ...

Helsinki, Finland, 6th September, 2024 - Teraloop Oy, a pioneering Finnish company specialising in a new generation of flywheel-based power management and energy storage solutions, is pleased to announce a strategic investment from Artech, a global leader in electrical energy measurement and monitoring solutions based in Bilbao, Spain.

## Lead Electrical Engineer, Teraloop Oy

This is a full-time on-site role for a Lead Electrical Engineer at Teraloop. In this role, you'll drive project delivery and contribute to the energy transition. If you thrive on tackling complex engineering challenges with innovative solutions and believe in the power of effective communication to enhance team performance, we want to hear from



## Teraloop Oy , LinkedIn

Teraloop Oy , 2.498 Follower:innen auf LinkedIn. Sustainable energy. Stored. , Teraloop is developing a kinetic energy storage system



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## Teraloop

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## Teraloop Oy

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.

## Teraloop

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 in the hubless configuration of our r



## Contact Us

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