

## European Solar Energy Storage

# Evyon battery North Korea



## Overview

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What is evyon battery energy storage?

Evyon provides a modular DC battery energy storage solution based on repurposed EV batteries for system integrators to integrate into a range of solutions. Scalable to fit your needs. Online-connected to maximize safety, performance, and longevity.

Does evyon use repurposed EV batteries?

Sustainability Evyon uses only repurposed EV battery modules, which reduces the carbon footprint by up to 85% compared to new systems. Quality Evyon Industrial uses brand-new, Tier 1 EV battery modules from a leading German car manufacturer and a BMS based on 15 years of experience.

Who makes evyon industrial batteries?

Evyon Industrial is built using batteries from a leading German car manufacturer to ensure our systems are of the highest quality and safety in the industry. In addition to the battery cells themselves, Evyon uses a well-proven BMS from a manufacturer with more than 15 years of experience.

Does evyon have a battery cloud?

Evyon's solution includes a "Battery Cloud", an online platform where users can monitor their own battery system. This gives real-time and historical insight about the system, such as voltage and current. "Using our Battery Cloud, users can be sure that the batteries are safe and reliable for their entire lifespan," says Erdal.

How does evyon industrial work?

Evyon Industrial scale from kWh to MWh while working with inverters from 0 to 1000 V DC. Through our Battery Cloud Platform, we use state-of-the-art battery and data science capabilities to maximize the safety, performance, and lifetime of your battery system.

How are evyon systems digitally optimized?

The systems are digitally optimized through Evyon's battery cloud, a platform that provides real-time information and over-the-air (OTA) updates to maximize the safety, lifetime and performance of the system. Herman Hille, Head of Engineering from Evyon. Photo: Evyon

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### Repurposing EV batteries into 'third life' energy storage and beyond

Companies in the space are already saying that thanks to the variety of uses cases of a BESS it is possible to start planning for 'third life' systems, as Ralph Groen chief commercial officer of Norway-based Evyon, one such company which raised EUR8 million (US\$8.21 million) in a Pre-Series A last week, explained. "You can use it at its full state of health for e ...

### Gjenbruker det gamle elbilbatteriet ditt -- Forskningsparken

Alle systemene Evyon har utviklet og sendt ut til kunder er bygget på Forskningsparken. Erdal sier at miljøet og fasilitetene på Forskningsparken har vært avgjørende for å bygge opp Evyon. - Det er en ypperlig plass å bli en del av et fellesskap.



### Evyon + TGN Energy together for a fully renewable future

Evyon installed their first battery storage system in collaboration with TGN Energy at the Hope Cathedral - a floating art installation made of wood and recycled ocean plastics that is built to raise awareness around sustainability and circularity. The plug-and-play hybrid solar and battery energy system provides clean, renewable energy to the

## Evyon

Evyon maximizes the value of second-life EV batteries by repurposing them into high-quality energy storage systems in a streamlined, safe, and cost-effective way. We develop novel technologies for reassembly and operations to convert usable second-life EV batteries into modular plug-and-play battery storage systems.



## Evyon welcomes ten new team members in the first 5 months of ...

Max Spencer recently joined Evyon as the Head of Product. Prior to joining our team, Max held a variety of R& D senior management roles in a career spanning about 18 years. His proficiency in hardware development, engineering, and prototyping will be put to use in the creation and optimization of Evyon's battery systems ready for manufacturing.

## Evyon on LinkedIn: #battery #intelligence

Our mission in Evyon is to maximize the value of every battery, and one of the main things we are doing to achieve this is investing in #battery #intelligence...



## Our mission

Evyon develops novel technologies to repurpose second-life EV batteries into modular battery energy storage systems in a streamlined, safe, and cost-effective way. Using second-life EV

batteries, Evyon estimates its battery systems to ...



## Evyon and Mercedes-Benz Energy sign 26MWh ...

Evyon's proprietary hardware and Battery Cloud ecosystem enable the conversion of spent EV batteries into high-quality, affordable, and plug-and-play battery energy storage systems. The company's ambition is to ...



CE UN38.3 MSDS



## Evyon

Evyon's proprietary hardware and Battery Cloud ecosystem enable the conversion of spent EV batteries into high-value and low-footprint battery energy storage systems for a range of quickly

## Evyon + NORCE partners up to develop testing methods

Evyon partners up with the Norwegian Research Centre (NORCE) more sustainable battery production, and the reduction of climate footprint. Batteries play a key role in the transition from hydrocarbon-based to electric-based energy that is a driving force behind the green revolution. To maximize the value of every



battery, new methods are



## Evyon awarded industry-PhD with NTNU

We are honored to have our Battery Scientist Amund Raniseth being awarded support by Forskningsrådet (the Research Council of Norway) to pursue an industry-PhD in collaboration with the Electrochemistry group at the Norwegian University of Science and Technology (NTNU). Through this industry-academia partnership, he will continue Evyon's

...

## Evyon

Evyon's approach converts usable second life EV batteries into modular plug-and-play battery storage systems that are streamlined, safe and cost-effective. Since its founding, this young company has shown remarkable growth and traction, having secured 40 MWh of battery modules, attracted over EUR10M in funding from investors, and signed



## About Evyon

Evyon exists to maximize the value of every battery for a fully renewable future for everyone. This we do by combining cutting-edge battery intelligence with the industrialization of repurposing, making repurposed battery systems both ...

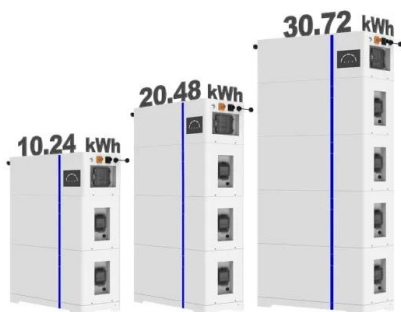
## [EV batteries: Reuse or Recycle?](#)

Reuse + Recycling = Maximum value generation

from every battery. At Evyon we are developing a proprietary hardware + software ecosystem to convert discarded EV batteries into long-lived, high-quality battery energy storage systems for a range of applications. This means that we take the usable batteries at the end of their first life and make



### ESS



### [Evyon , LinkedIn](#)

Evyon , 4,372 følgere på LinkedIn. We exist as a company to maximize the value of every battery to accelerate into a fully renewable future for everyone. , Evyon exists to enable maximum value generation from EV batteries by combining cutting-edge battery intelligence and the industrialization of repurposing. Evyon's proprietary hardware and Battery Cloud ecosystem ...

## Evyon breathes sustainable new life into spent EV batteries

Evyon can deliver its battery systems in three to four months, compared to six to nine months for new battery systems. MARKET POTENTIAL. Powering up the stationary battery market. Evyon is a dynamic new player in the global stationary battery storage market, which is expected to reach USD 140 billion by 2030.



## Evyon welcomes ten new team members in the first 5 ...

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career spanning about 18 years. His proficiency in hardware development, ...



## Evyon

Evyon maximizes the value of second-life EV batteries by repurposing them into high-quality energy storage systems in a streamlined, safe, and cost-effective way. We develop novel technologies for reassembly and operations to convert ...



## Evyon raises EUR7M in equity and EUR1M in debt

Evyon's proprietary hardware and Battery Cloud ecosystem enable the conversion of spent EV batteries into top-quality, high-value, and plug-and-play battery energy storage systems. The company's ambition is to become European-leading in reused batteries by 2025, and world-leading in sustainable energy storage by 2030.

## Evyon

Evyon exists to enable maximum value generation from second-life batteries by repurposing them in a safe, data-driven and cost-effective way. Evyon's proprietary hardware and Battery Cloud ecosystem enable the conversion of EV batteries into high-quality, affordable, and plug-and-play battery energy storage systems.



## **Evyon delivers its next-generation battery system.**

Evyon achieved a new milestone by delivering its very first pilot industrial battery system to a customer. Two strings were successfully delivered and installed at the customers' site and connected to their solar PV installation.

## **Wants to be Europe's biggest battery recycling company**

The battery cells are used to make battery modules and battery packs. Corbus Energy in Bergen uses battery cells to produce battery packs for providing power to the maritime industry. Finally, battery recycling takes place by companies such as Hydrovolt in Fredrikstad, and battery repurposing by companies that include Evyon in Oslo.



## **Evyon and Batteriretur sign a MoU agreement to maximize the**

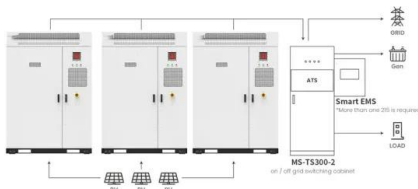
Evyon has joined forces with Batteriretur to maximize the value of spent industrial batteries together. The companies have signed a Memorandum of Understanding (MoU) outlining

the intention to work together to convert reusable industrial batteries collected or handled by Batteriretur into high-quality battery systems for second-life applications.



## Evyon selected to deliver a 200 kWh battery system to ...

Evyon will supply M øller Eiendom with a 200 kWh industrial BESS plus Energy Management System (EMS) that will control the charging and discharging of the battery for maximum value creation. By choosing a ...



Application scenarios of energy storage battery products

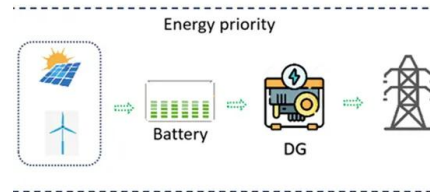
## Evyon on LinkedIn: Norwegian second-life EV battery start-up Evyon ...

Evyon closed its fourth investment round on November 1st, led by the impact focused venture capital firm Sandwater, and joined by Antler, Wiski Capital and Skagerak Energi. ???Sandwater

## How our battery cloud creates value to our customers

To Evyon, the Battery Cloud is a key tool to further extend the understanding of how second-life batteries perform and how to maximize their value to customers. By collecting operational data from the battery systems, Evyon is not only able to bring more value to future customers, but also to existing ones through over-the-air

updates.



## Norwegian second life battery storage startup Evyon raises EUR8 ...

Oslo-based second life battery storage solutions firm Evyon has raised EUR8 million (US\$8.3 million) in a pre-Series A fundraising round, led by VC firm Sandwater. The round includes EUR7 million in equity and EUR1 million in debt and will be used to bring the firm's commercial and industrial (C& I) battery storage product from prototype to

## Why Isak & Per Magne chose Evyon's energy storage systems

Isak has been impressed with Evyon's Battery Cloud which enables advanced monitoring features from his mobile device or laptop as well as over-the-air updates. "Battery Cloud is extremely resourceful to monitor information about the system, energy usage and also comes with a very user-friendly interface which is easy to operate.



## Evyon på LinkedIn: Evyon wins a pilot battery project with PRIO



Great news ? Evyon is one of the 3 winners of the 2022 PRIO Jump Start open innovation program! As part of this, Evyon and PRIO will now collaborate on a pilot project where an Evyon Battery system enables a 150 kW EV fast charger without grid upgrade? Read more about our latest achievement on our website: <https://lnkd/d9mvrKc3> #energystorage

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