



CO-FOUNDER NEEDED

Hardware-free and accurate battery health estimations that comply with new EU policy

CellPassport ApS

THE PROBLEM

From 2027 EU Battery Passport policy will require traceability and digital records for new Li-ion batteries. Current solutions do not offer cheap and scalable cell level monitoring and diagnostics for Li-ion batteries.

OUR SOLUTION

A software service using passive methods to evaluate the State of Charge and State of Health of each battery cell by using voltage and current data from the Battery Management System. The calculations and estimations can be done in the cloud, thereby not only complying with the EU Battery Passport policy on traceability and digital records, but also ensuring predictive maintenance, improved reliability, and high performance of the battery system.

PATENT STATUS

Patents are not applicable.

FINANCIAL OVERVIEW

The software service can be sold as a one-time service or a monthly subscription based on battery capacity.

MILESTONES

The software has been implemented for cell level monitoring and diagnostics. AVESTA, a battery manufacturing company from Belgium, is cooperating as the pilot project.

The software need to be scalable for battery pack level, such that it can be used for monitoring battery energy storage systems.

TARGET MARKET & CUSTOMERS

Battery system manufacturers and owners. (BESS, Residential Battery systems and EVs)

CO-FOUNDER PROFILE WE ARE LOOKING FOR

Preferred qualifications

- Awareness of the market needs and real-world challenges in energy storage across industrial applications.
- Ability to connect CellPassport's technology to clear customer value and engage potential customers and partners.
- Interest in helping shape product direction and high-level software requirements based on customer and market needs.
- Motivation to contribute to partnerships, sales, and the long-term commercial growth of the company.

Personal fit

- Interested in being an active part of the team and helping co-develop the business.
- Excited by the opportunity to grow the idea into a scalable company on a multi-year journey.
- Comfortable working closely with customers, partners, and the team to turn feedback into product and business progress.

TASKS & RESPONSIBILITIES (FIRST 3 MONTHS)

- Finding and engaging new customers and potential pilot partners.
- Supporting pilot testing, customer feedback collection, and product-market-fit validation.
- Helping tailor the product according to customer needs and market feedback.
- Contributing to the sales and marketing strategy and opening paths toward future agreements and contracts.

ACADEMIC & ENTREPRENEURIAL BACKGROUND OF CURRENT CO-FOUNDERS

Tamas Kerekes: PhD, research in power electronics for renewable energy systems.

Tarek Ibrahim: PhD, research in Li-ion battery modelling for lifetime estimation.

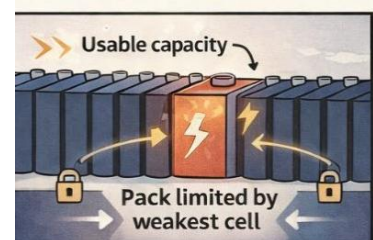
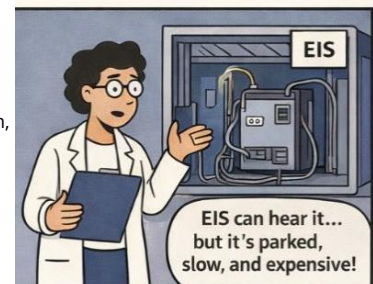
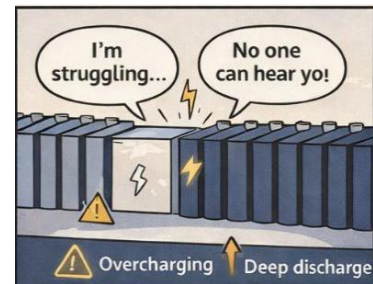
PHYSICAL ADDRESS

Currently working from AAU Energy at Pontoppidanstræde 111, 9220 Aalborg.

READ MORE HERE

https://en.wikipedia.org/wiki/Battery_passport#CellPassport_workflow

<https://vbn.aau.dk/da/projects/cloud-based-per-cell-diagnostics-engine-passive-eis/>



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