

# Zed BMS

Battery modules in electric vehicles and stationary storage systems need to be monitored constantly to be operated efficiently and reduce their inherent risk of failure. Accurate estimation of their State of Health (SOH) can minimize this risk and is a key enabler to increase the battery lifetime by 20%. Our add-on module for current battery management systems is a game-changing device that provides a new sensing feature for monitoring SOH with unprecedented accuracy.

“New add-on technology to palliate battery failure and increase **lifetime & safety**”

## TEAM MEMBERS

1. Emil Namor, CSEM, Researcher (Post-doc)
2. Mélisande Aellen, UniNE, Biologist (PhD)
3. Alejandro Borja, EPFL, PHD student
4. Leonardo Pires, CSEM, R&D Engineer (MSc)

## 1 Who are your clients?

Manufactures of:

- Battery management systems (BMS)
- Battery modules for Stationary storage
- Electric Vehicles fleets

## 2 How do you make money?

- Sell “EIS in BMS” hardware add-on
- Sell software for SOH-based battery balancing
- License „EIS in BMS“ technology

## 3 What gives you credibility?

- Support from CSEM
- Present prototype development
- Enhancement of security & lifetime



## Next steps

Zed BMS is in the fortunate position of being developed within CSEM and having recently secured the funding to further consolidate its technology for the near future. The next steps are:

1. **by the end of 2020:** a) validate the first **minimum viable product**; b) take the necessary steps to protect our IP;
2. **2021-2023:** a) **integrate the solution** in stationary and automotive pilot storage system to demonstrate the added value and b) strengthen a **network** of potential clients and partners;
3. downstream this process, take a **go/no-go decision**.

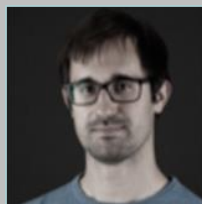


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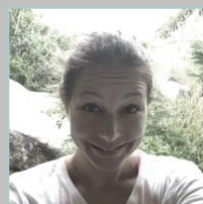
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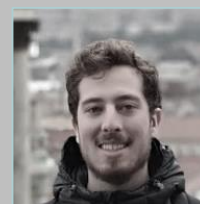
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