

**EFFICIENCY
FOR
ACCESS**

Product Lifecycle and Local Assembly



Funded by:



IKEA Foundation



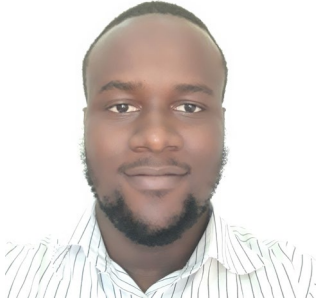
**energy
saving
trust**

Agenda

- **Guest Speaker**
 - Product Lifecycle
 - E-waste
 - Local Assembly
- Q&A
- Webinar feedback survey



Our guest speakers



► David Tusubira

- Chief Technology Officer & Co-founder of Innovex.
- Hardware developer with a background in robotics.
- Using IoT(Internet of Things) technology to promote access to solar energy in SSAfrica.
- Holds a bachelor's degree in Electrical Engineering from Makerere University.



► Laura Allerston

- Head of Grants and Research at Aceleron and concentrates on grant funding opportunities to enable development of R&D efforts and scaling project work in Africa.
- Holds a PhD in Chemical Engineering from the University of Birmingham with work also completed in the EIL at University College London, which focused on hydrogen fuel cells and electrolyzers.



► Biraj Gautam

- CEO of People, Energy & Environment Development Association
- Over 12 years experience as a management leader and an environmental professional
- Specializes in coordinating a multi-sectoral team, resource mobilization, orientation, and supervision of project implementation
- Holds an MSc. in Environmental Science from Tribhuvan University, Nepal.



**EFFICIENCY
FOR
ACCESS**

David Tusubira - Innovex



UK

ENGINEERS

WITHOUT BORDERS





**EFFICIENCY
FOR
ACCESS**

Thank you



UK

ENGINEERS

WITHOUT BORDERS





**EFFICIENCY
FOR
ACCESS**

Laura Allerston - Acceleron



UK

ENGINEERS

WITHOUT BORDERS





CREATING BATTERIES FOR LIFE

Dr. Laura Allerston

BATTERY CHALLENGE

HOW MUCH IS 22 MILLION m³ EXACTLY?

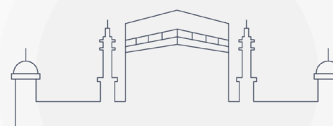
44 MILLION NEW ELECTRIC VEHICLES ON THE ROAD EVERY YEAR

BY 2040 ON EARTH

GROWING DEMAND FOR EVs INCREASES THE USE OF BATTERIES

x2.75

times the Great Mosque of Mecca

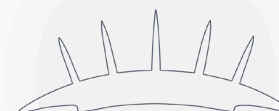
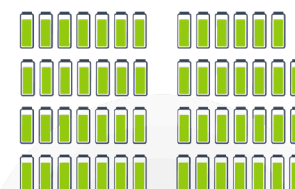


8 MILLION m³

Great Mosque of Mecca

x7.89

times the O2 Arena



2.79 MILLION m³

O2 Arena

x14

times the Melbourne Cricket Ground



1.57 MILLION m³

Melbourne Cricket Ground

x22

times the Lyon Stadium



1 MILLION m³

Stade des Lumières

OUR TECHNOLOGY SOLUTION

Aceleron invented patented compression technology as an alternative to traditional welding methods.

This enables low-cost cell replacement resulting in less waste and higher profits for customers – saving them up to 30% on their battery costs.

The maintainability, advanced communication and data analytics facilitates the ESaaS model which gives Aceleron strong competitive advantage.



FULLY MAINTAINABLE



COMPLETELY REUSABLE



ADVANCED COMMUNICATIONS



A BATTERY FOR LIFE



KEY TARGET SEGMENTS

Our battery expertise allows Aceleron and its partners to invest in designing & building batteries for Back-Up Power, UPS, Storage, Mobility and more.

Working with market leaders in power and energy has helped us to refine our designs and operations and opened many new markets which we are capitalizing on with our serviceable and maintainable product offering unlike any other on the market currently.

UPGRADING & MAINTENANCE

Long-term battery solutions



OFFGEN & RAKGEN to high power and long term use applications e.g. data centers, telecoms & back up power.

REPURPOSING BATTERIES

Solutions to reduce waste



Testing & repurposing to rebuild and sell battery packs from existing fleets of batteries in the field for large corporates.

ESAAS

Batteries in a recurring revenue model



SOLARON to power solar home systems (lights, TVs, fridges etc) for a small monthly fee. Larger products provide Opex style opportunities.



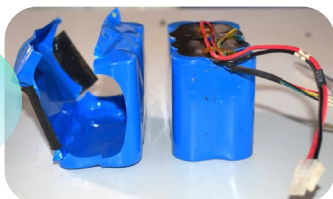
REPURPOSED CELL PROCESS

1



Collection and sorting with our partners
– OEM's and Last Mile Collection
Products are sorted by Manufacturer
and Product.

2



Final disassembly is carried out with care
to ensure cells are as clean and usable as
possible. **Kenya Only**

3



Cells are tested for V & IR, charged and
discharged and run through our
algorithms for life and performance.
UK & Kenya

4



Cells are sorted for positional placement
and grouping via our software and added
to our product plates for optimum
performance.



*Solaron Repurposed
Product*



CONTACT:

info@aceleronenergy.com



**EFFICIENCY
FOR
ACCESS**

Biraj Gautam– PEEDA



UK

ENGINEERS

WITHOUT BORDERS



**EFFICIENCY
FOR
ACCESS**

Thank you



UK

ENGINEERS

WITHOUT BORDERS





**EFFICIENCY
FOR
ACCESS**

Q&A



UK

ENGINEERS

WITHOUT BORDERS

Short feedback survey



[Bit.ly/EforADCFeedbackSurvey](https://bit.ly/EforADCFeedbackSurvey)



UK

ENGINEERS

WITHOUT BORDERS

**EFFICIENCY
FOR
ACCESS**

Newsletter sign in:

bit.ly/DesignChallengeNewsletter



UK

ENGINEERS

WITHOUT BORDERS

