Power-E-Cargo concept

easy to repair
less maintenance
battery swapping models

saves CO2
more sustainable

saves costs for the operator
(perfect for leasing brands)

saves costs for the customer
(up to 50% on daily costs)

better performance than Boda-Bodas

Power-E-Cargo concept

In most African countries, small motorcycles perform the majority of cab and transportation tasks. If you simply convert them to electric drives, you also copy their disadvantages.

Power-E-Cargo transport is cleaner and more profitable for its consumers. E-bike drivers earn 45% more than with petrol bikes due to fuel and maintenance savings. They save 40% a year on fuel. We will offer drivers a bike and energy that costs less to acquire and operate, coming with an advanced performance and with additional luggage attachments and transport solutions. Batteries will be exchanged in special stations. Battery swaps are faster than refueling and cost less than a tank of petrol.

Power-E-Cargo concept means
a powerful motor = faster & stronger than Boda Bodas

72V 15000W Strong Ebike
1) 19/21*3.0 Turtle tire
2) Color ukc1 Display

Fatbike wheels for a better performance, better than Boda Bodas on any terrain, up to 350kg load and 80km/h.

Disadvantage No.1, current design :

Passengers sit close to the driver in an unsafe position without their own handhold.



Disadvantage No.2, current design:

Poor performance on sandy and muddy roads, no good luggage security.

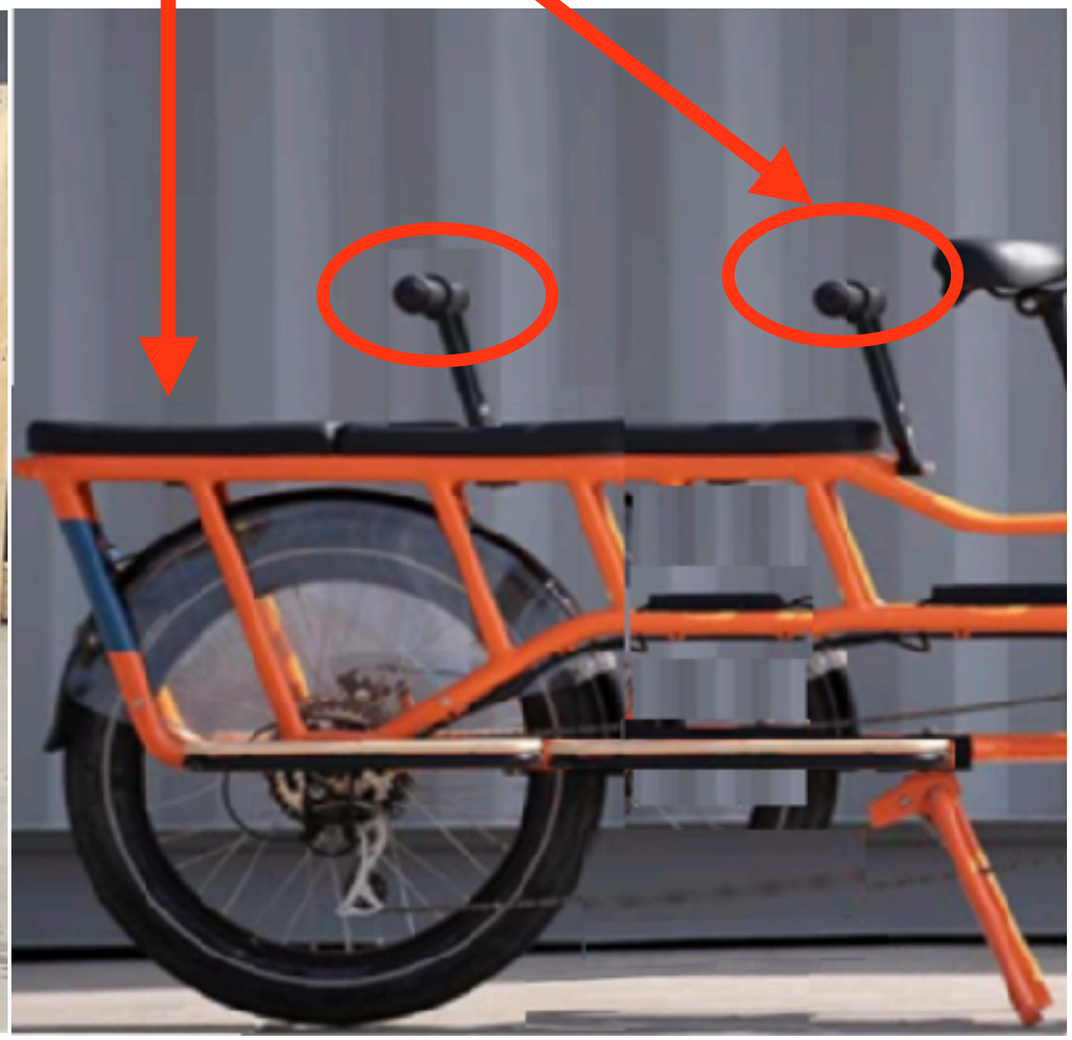



Power-E-Cargo concept - luggage & passenger safety

safer than on a Boda Boda:

Long luggage racks
for long luggage

Special holders and seats
for passengers, easy to exchange



THE FARMER'S SONS

Farmbike concept partner from Nigeria
TFS Cargo Bicycles

Building Global Bridges at the Hamburg Sustainability Conference

Attending the Hamburg Sustainability Conference was a revitalizing experience for us at TFS Cargo Bicycles. Our CEO, Otasowie Obayuwana, represented TFS Cargo Bicycles among global leaders, innovators, and stakeholders dedicated to building a greener, more inclusive future. A key highlight was connecting with teams from the UNDP Accelerator Labs and the Institute for Transportation and Development Policy (ITDP) to explore how grassroots innovations like ours can address first and last mile delivery challenges, enable green transport in emerging economies, and bridge development gaps in rural communities.

The sessions offered practical insights into financing inclusive, low-carbon transport solutions in underserved regions, an area TFS is deeply committed to transforming. It was an incredible opportunity to share our story, discuss our solar-powered electric cargo bicycles, and reinforce the role of local solutions in driving global sustainability goals.

Equally important, our participation reflects our deep belief that product innovation alone cannot effect the change we envision if decision makers and policymakers are not informed and inspired to act. By engaging in global policy dialogues, we are amplifying the voices of those at the bottom of the economic pyramid, smallholder farmers, traders, and rural families whose daily challenges too often go unheard. TFS is committed to being at the table where critical policies are shaped, ensuring that practical solutions like ours are recognized, supported, and scaled.

The Farmer's Sons Cargo Bicycles (TFS Cargo Bikes) is a Nigerian-based social enterprise transforming first- and last-mile transportation for underserved communities across sub-Saharan Africa through the design and manufacture of affordable, electric-assist cargo bicycles. Founded by three brothers, Otasowie, Osamede, and Osagioduwa Obayuwana, who grew up in a farming family in Nigeria, the venture was born out of their shared lived experience. They witnessed the daily burden of headloading, especially among women and children, who often had to carry produce, water, firewood, and other essentials over long distances due to the lack of accessible, affordable transportation options. This challenge not only limited productivity and economic opportunity but also contributed to physical strain, school absenteeism, and post-harvest losses.

The TFS team brings together deep personal insight and professional expertise to develop practical, sustainable solutions. Otasowie leads as CEO, driving strategic growth and partnerships. Osamede, the Chief Product Engineer, oversees the design and innovation of their cargo bikes. Osagioduwa manages facility operations and safety as Chief Facilities Officer. Together, they are creating inclusive, green mobility solutions that reflect the realities of the communities they serve.

E-Cargo-Farmbike concept supporter from Sri Lanka

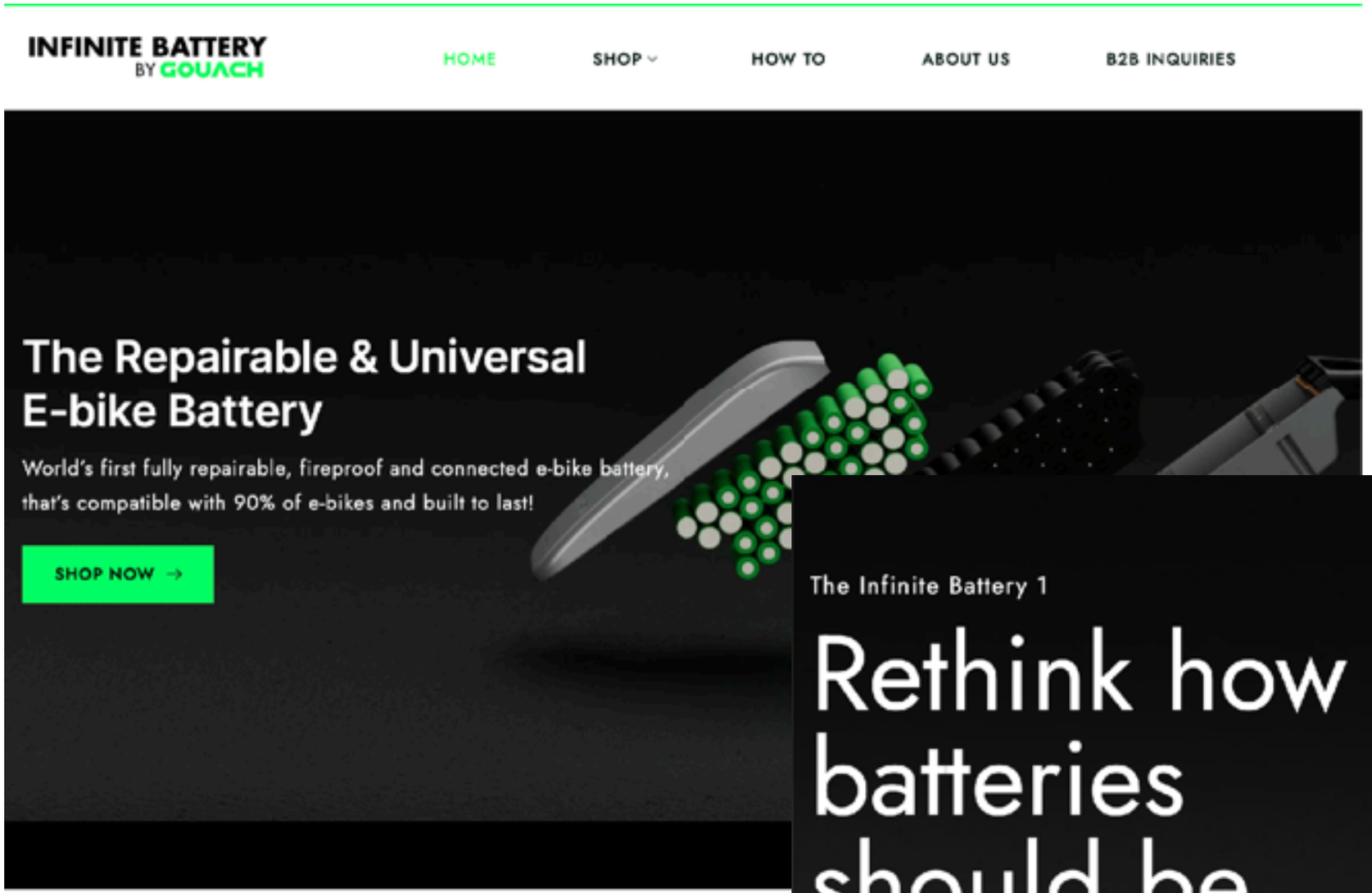
EN 61000-3-2:2019
EN 61000-3-3:2013+A1:2019
Certificate for electric controller

EN 62133:2013
Certificate for Xiaomi battery

EN 15194:2023
Certificate for E-Bike

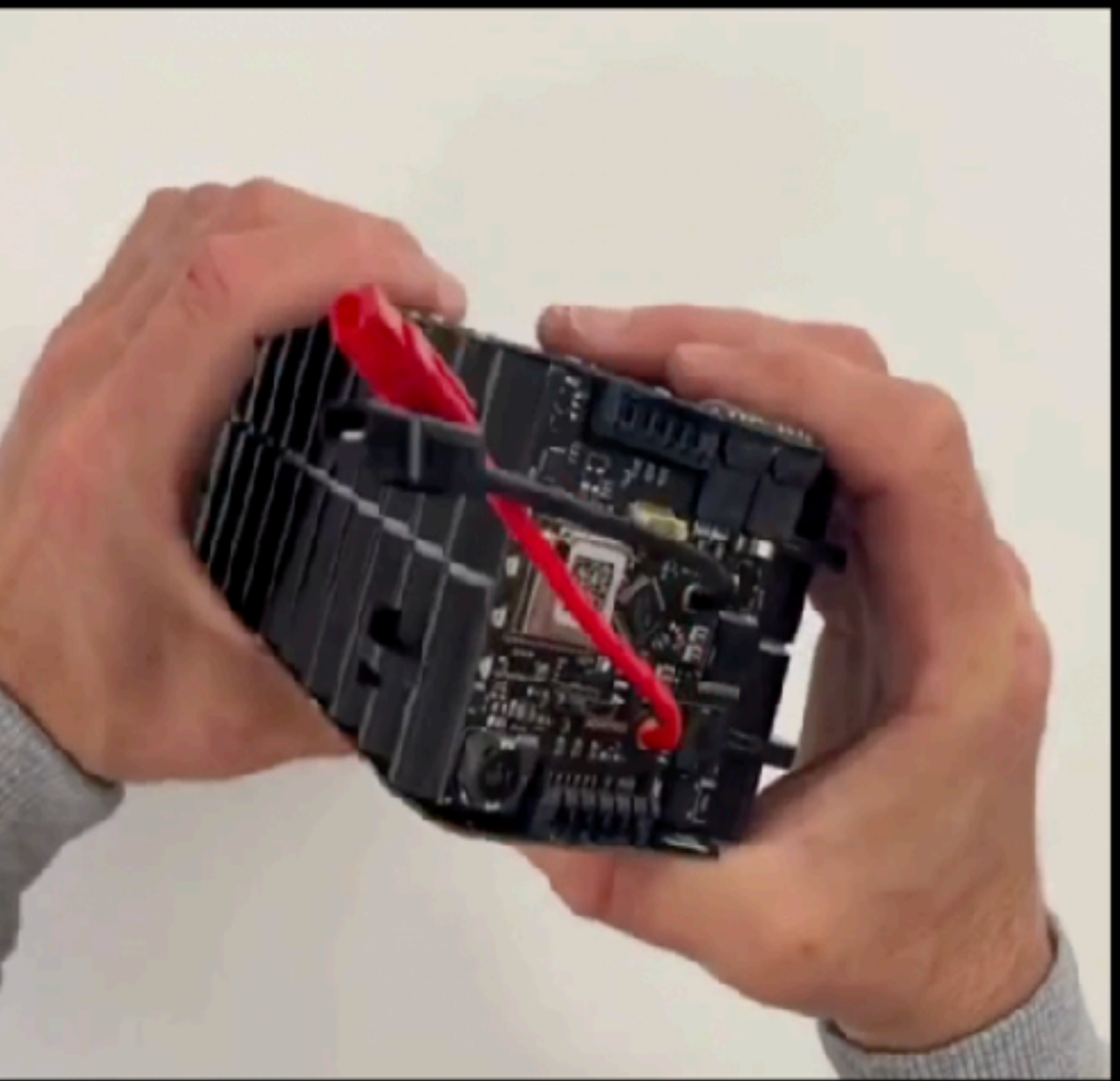
EN IEC 61000-6-3:2021
EN IEC 61000-6-1:2019
Certificate for electric controller

E-Cargo-Farmbike concept supporter from France



E-Cargo-Farmbike concept supporter from France

GOUACH



Modular & Easily Serviceable

Takes 5 minutes and 2 screwdrivers to assemble your battery.

When an E-bike battery fails, 90% of the time, its **just 1 or 2 cells that are dead inside** or a single electronic component. But since traditional batteries are spot welded and glued, there is no chance to replace the faulty part and you need to replace the complete battery.The inlinite battery is different. It uses a technology that makes it **easy and safe to replace any parts, including lithium-ion cells**. It doesn't require any specific tools nor knowledge. It takes **less than 10 minutes**.

For safety and durability, it is recommended to change all cells at once.

SEE HOW →

FAQs

Is it an e-bicycle or an e-motorcycle?

- It is both, a hybrid
- You can use it like a usual e-motorcycle
- The additional pedal assist gives additional advantages

What are the key points / advantages?

- Big Tires: 26 x 4,8 inch (fatbike sizes)
- Long luggage rack: up to 2 meter luggage
- Strong motor: same or better performance than usual fuel motorbikes
- Saving money: 50% less operating costs
- Perfect for leasing brands
- Battery swapping stations & concepts

Why still a pedal?

In many countries it is easier to register an e-bike, when it still has a pedal-assist. Also it can give some comfort to the driver, when he can decide to move a bit to relax, for exercise or to stay warm, when it’s getting colder in the evening.
Besides it helps the battery to last longer, because human torque helps a lot during the acceleration. Last not least you can pedal home, when the battery is empty.

Power-E-Cargo concept - Uganda
Clean Water Project - Uganda
by

Nagasha Shallon

Entrepreneur
Social Business Specialist
Water Technology Specialist

ultrafilhub@gmail.com
or call us on
0702856247/ 0788209360

&

Sascha Reckert

Bike Designer and Racer
Solar World Champion 1996
European E-Bike Champion 2010
World Track Records with Speed Bikes
Race Director Ebike World Championships 2013-2017

Whatsapp: +49 151 2953 4117
Email: office@friedensreiter-foundation.org