



Oretronics Technology

Renewable Energy & Energy Efficiency

Lithium Ferrous Phosphate (LFP) Battery Assembly



Engr. Joseph O Orenaike
Founder

The Deal

Oretronics
Technology

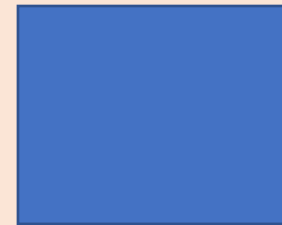


Lithium Ferrous Phosphate (LFP) Batteries



₦800,800 {\$1,120} per (5.12KWh) unit

Energy Storage
Renewable Energy
E-Mobility
Consumers



Market Segmentation

₦795M
{\$1.1M}/year
39,750
customers

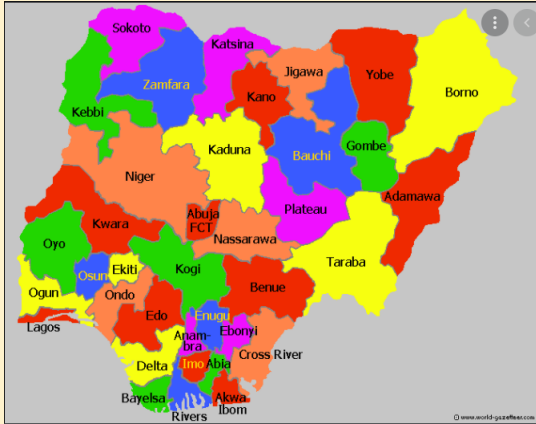


Beachhead Market

Ikeja Metropolitan Area, Lagos

1st 5 Years

₦400B
{\$560M}/year
5M
customers



Nigeria

2nd 5 Years

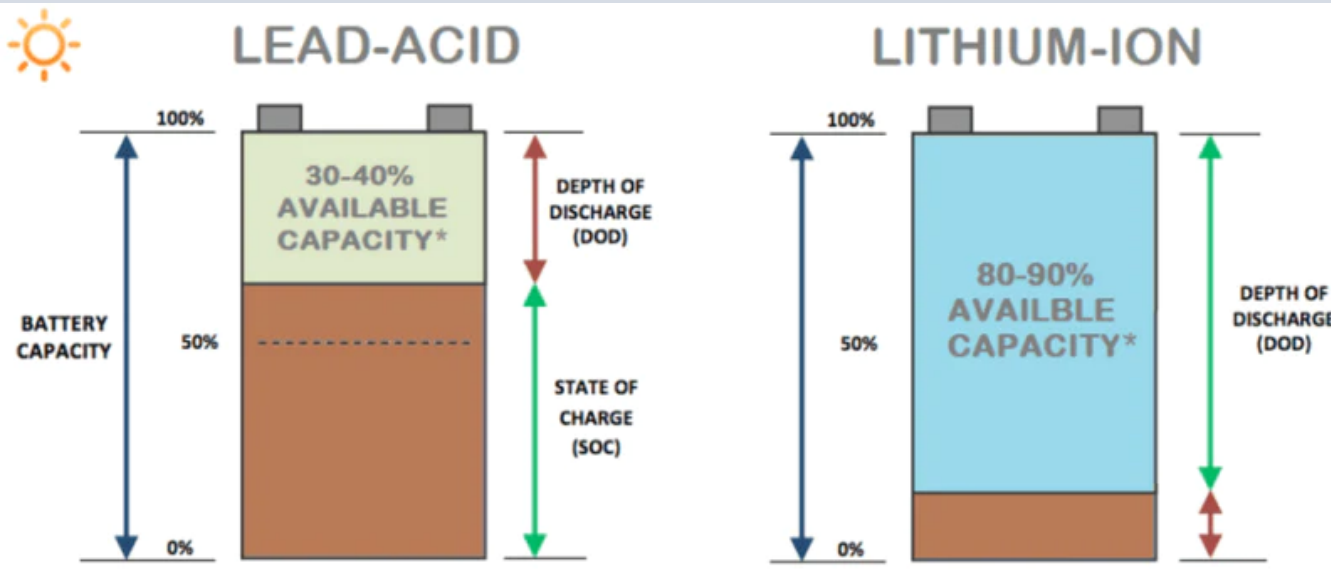
₦600B
{\$840}/year
7.5M
customers



West Africa

3rd 5 Years

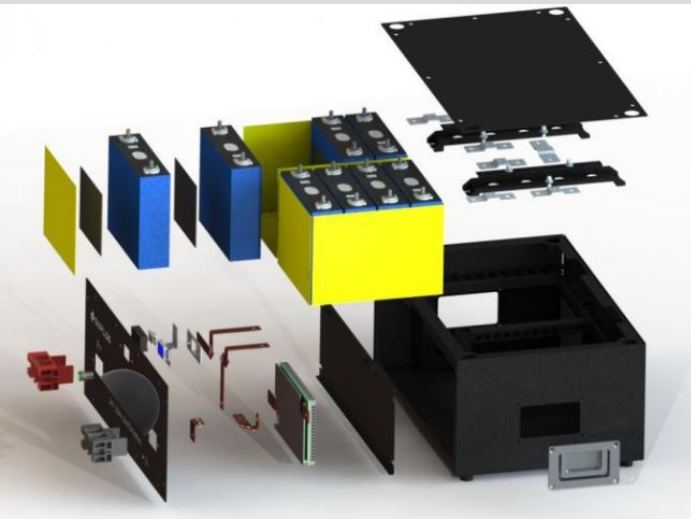
Customer Value Proposition



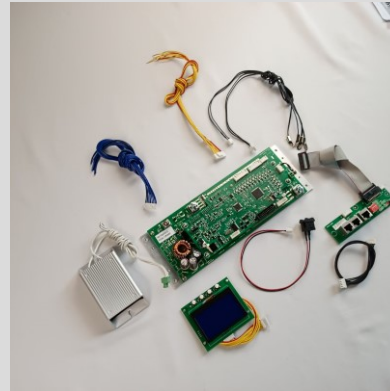
- 50% Cost savings; Cost of Storage from grid vs generation from petrol; \$0.21 vs \$0.40/KWh. Lower total cost of ownership per KWh
- 10x longer cycle life from 4,000-6,000 @ 80% DoD @ 1C/1C vs 500 @ 80% DoD, 800 @ 55% DoD
- More usable capacity; Higher DoD 90% vs 55%
- Longer calendar life from 10-15 years vs 3 years
- Less weight & size; 4x Gravimetric Energy Density from 165-174Wh/Kg, 1C, 25°C
- Safest & most stable batteries on the market today. No explosion. No fire
- Maintenance free

Product

Lithium Ferrous Phosphate (LFP) Battery



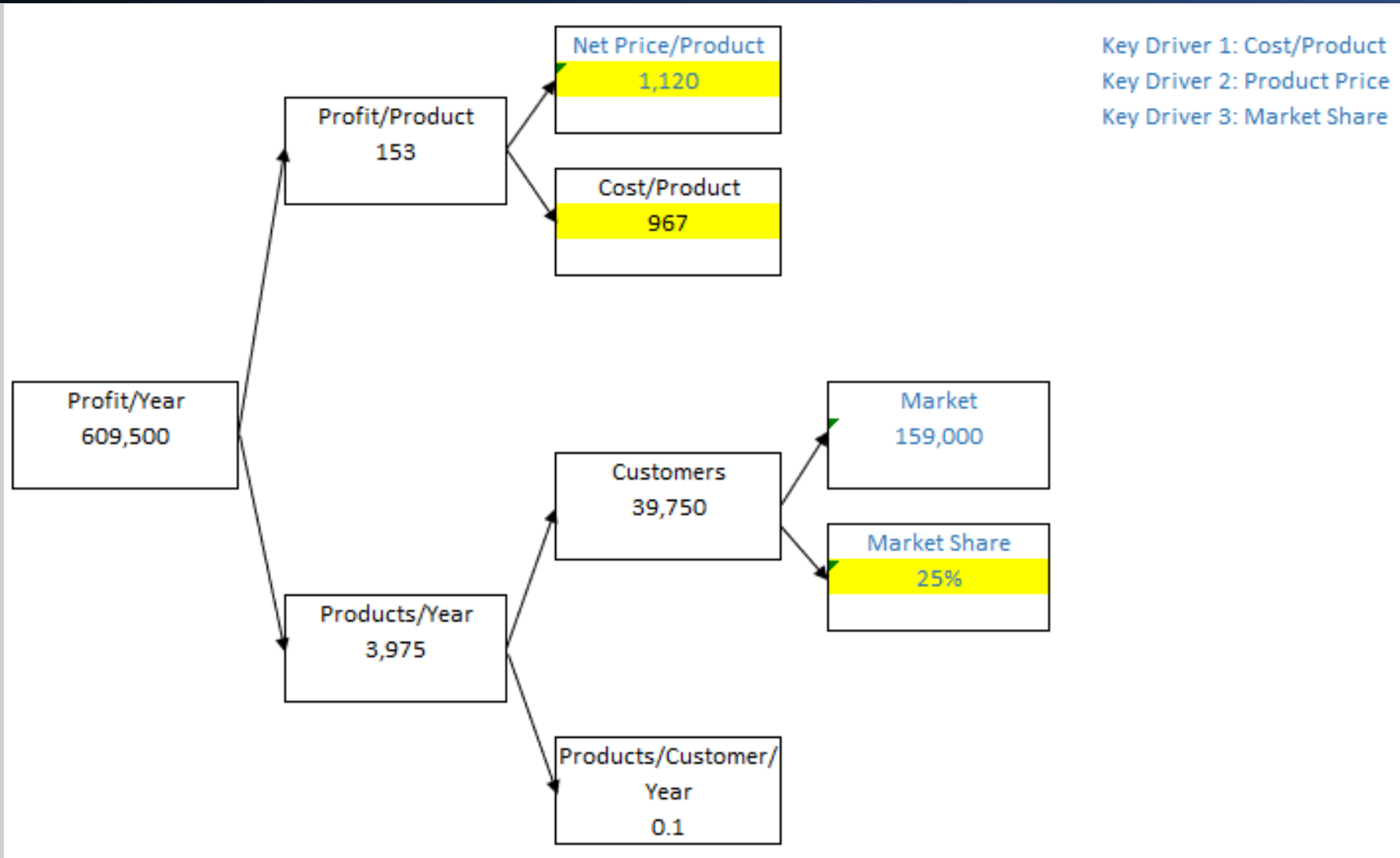
Lithium Ferrous
Phosphate Battery
Internal Structure



Electronics

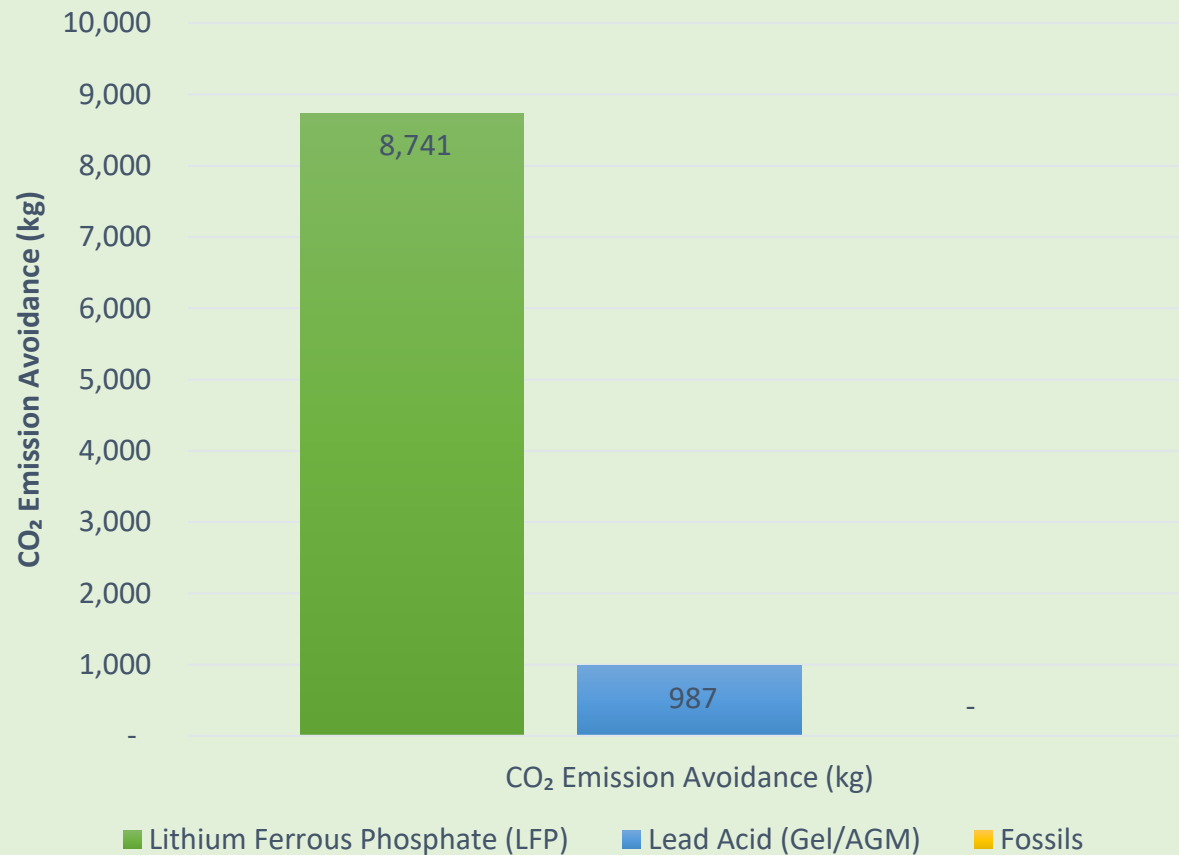


Financials (\$)



Impact (Climate, Economic & Social)

Battery Lifetime CO₂ Emission Avoidance (Kg)

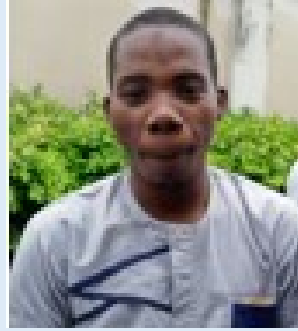


- End users will save in excess of ₦117 Billion (\$164M) in electricity generation avoidance from fossils during product lifetime, in the first 5 years
- GWP of 55 tonnes in the 1st 5 years
- Lithium Ferrous Phosphate batteries offer green, low carbon, environmental protection in contrast to other batteries, no matter the process of production, use & scrap.
- It does not contain any lead, mercury, cadmium and other toxic and harmful metal elements and chemicals, so there is no pollution
- UN SDG 1, 3, 4, 7, 8, 9, 11, 12 & 13

The Dream



Engr. Joseph O Orenaike
Founder/CEO
Electrical Engineer, MSEE



Abdulraheem Abioye
CTO
B.Sc. (Hons.): Engineering Physics



Olufunmilayo C Orenaike
Co-founder/ Business Development Lead
B.Sc. Business Administration, Business
Development Expert



Oluwakemi C Orenaike
Co-founder/ Marketing Lead
B.Sc. Marketing, Marketing Guru

- To reduce the cost of electricity generation from fossils through avoidance by \$164M in the first 5 years
- To solve energy poverty, increase energy security, reduce the carbon footprint challenges in Nigeria by assembling 20,000 LFP batteries of 101MWh within 1st 5 years
- To achieve a revenue in excess of ₦795M {\$1.1M} per annum within 1st 5 years