

# Cambrian Batteries

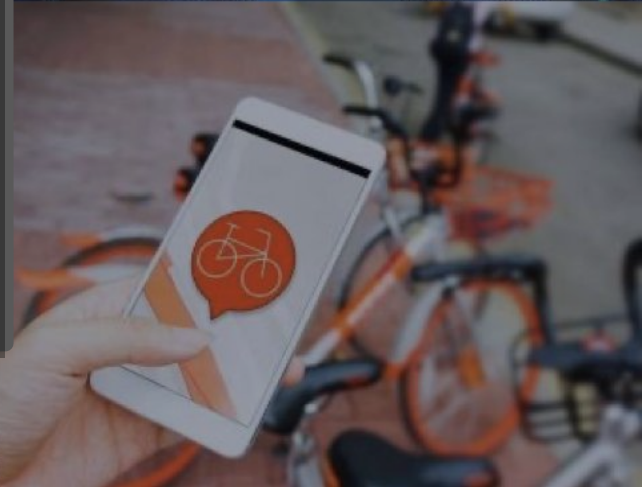
Sustainable Energy Solutions

for us and for the Future Generations

PJP Eye LTD

Inketsu Okina

Director/Chief Intelligence Officer

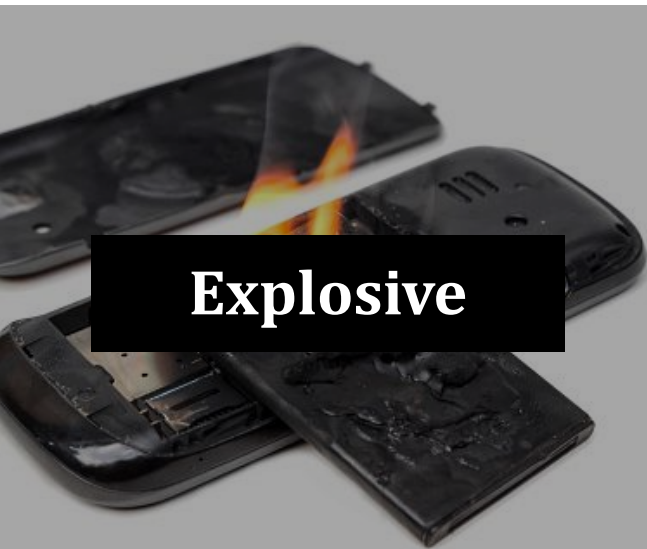


# Production of EV cars / Production of traditional Cars

- 3 x Negative Impact on the environment
- 68% more Co<sub>2</sub>

\*Mostly due to rare metals

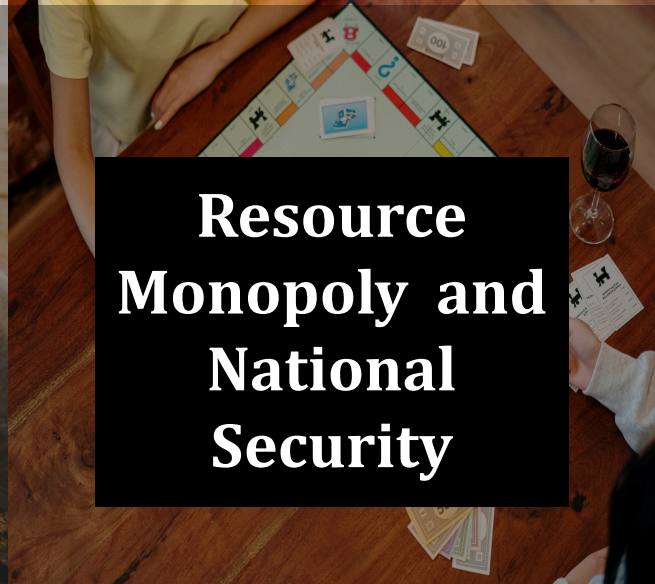
(Nickel, Cobalt, Manganese, etc...)



**Explosive**



**Human Right  
Issues**



**Resource  
Monopoly and  
National  
Security**



**Charging Speed**



**Environmental  
Issues**



**Recycle and  
Cost of  
Replacement**

Joint Research with Kyushu Univ.

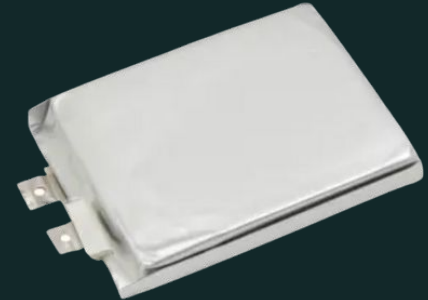
Convert agricultural wastes into carbon

All IPs belong to PJP



**Our Process reduces about 260t of Co2  
per 1MWH**

**Compared to traditional Li-Ion**



Annually...

**World**

**produces 200 Billion liters of Beer**

**40 Billion tons of wastes**

\*According to Cosmos Magazine





Step 1  
Prepare Plants



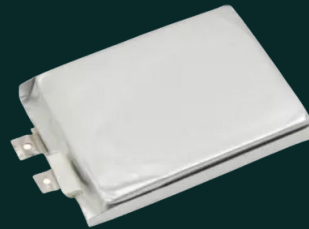
Step 2  
Production of plant carbon  
(Patented)



Step 3  
Production of electrodes  
(Patented)



Step 4  
Production of Cells



Step 5  
Mass Production of Cells



Step 6  
Delivery of Modules



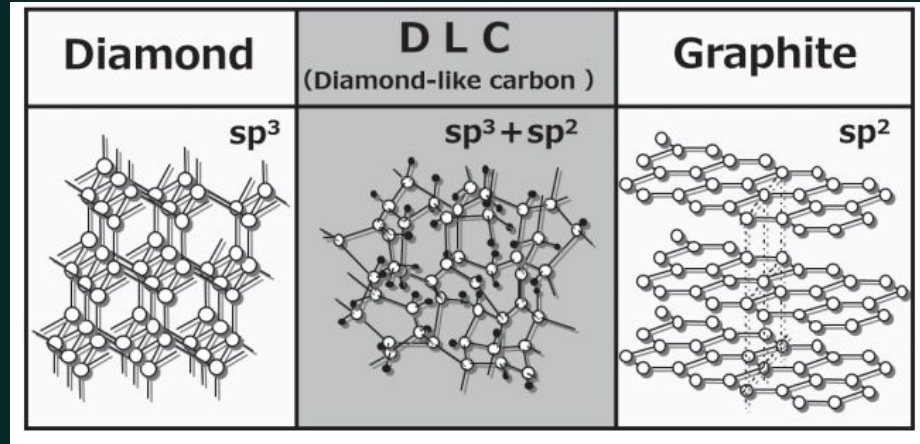
# The Surface Area

Plant Carbon  
(Diamond Like Carbon)

>

Graphite  
(Conventional LI-ion)

8



Our Products

## Single Carbon Battery

**(Mass Produced)**

## Dual Carbon Battery

**(R&D: Prototype)**

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# Single Carbon Batteries

3000 mAh 3.3 V 295WH/L – 132.89WH/KG

No rare metals in  
electrodes



Charging Speed  
(Ebikes)



No risk of Explosion



Battery Life



CAMBRIAN

Base Metal,  
Plant Based Carbon

20分

Non-Explosive

more than 20 years

LI-ION  
(NMC)

Nickel • Cobalt • Manganese  
• Graphite

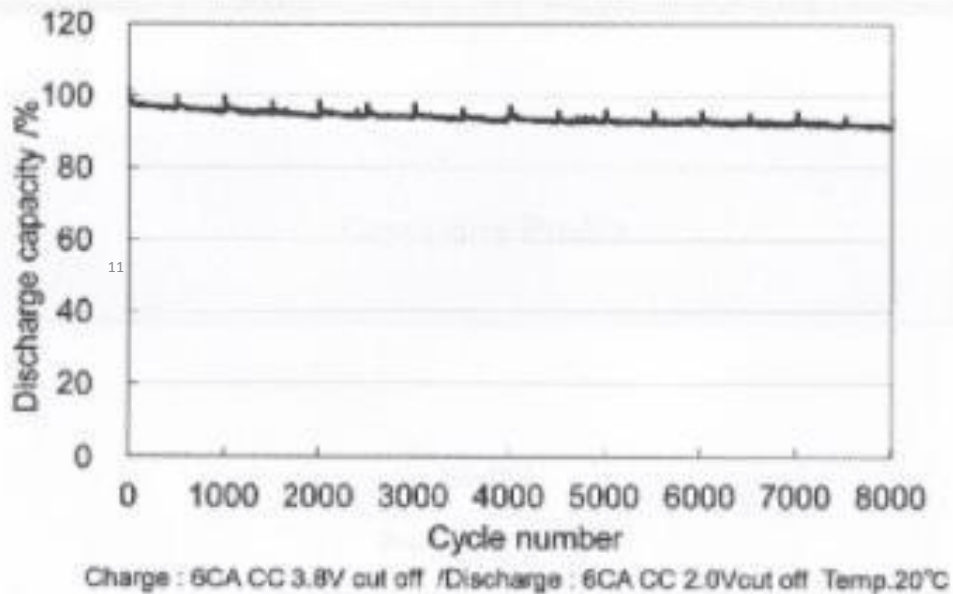
180 分

Explosive

1-4 years



# Life Cycle



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# Storages

12

X



# Personal Mobilities

# Dual Carbon Batteries

(dual-ion batteries)

3000 mAh (target) **5.2 V 650WH/L - 390WH/KG**

No rare metals in  
electrodes



No risk of Explosion



Charging Speed  
(Ebikes)



Battery Life



CAMBRIAN

Plant Based Carbon  
Plant Based Carbon

Non-Explosive

20分

more than 20 years

LI-ION  
(NCM)

Nickel • Cobalt • Manganese  
• Graphite

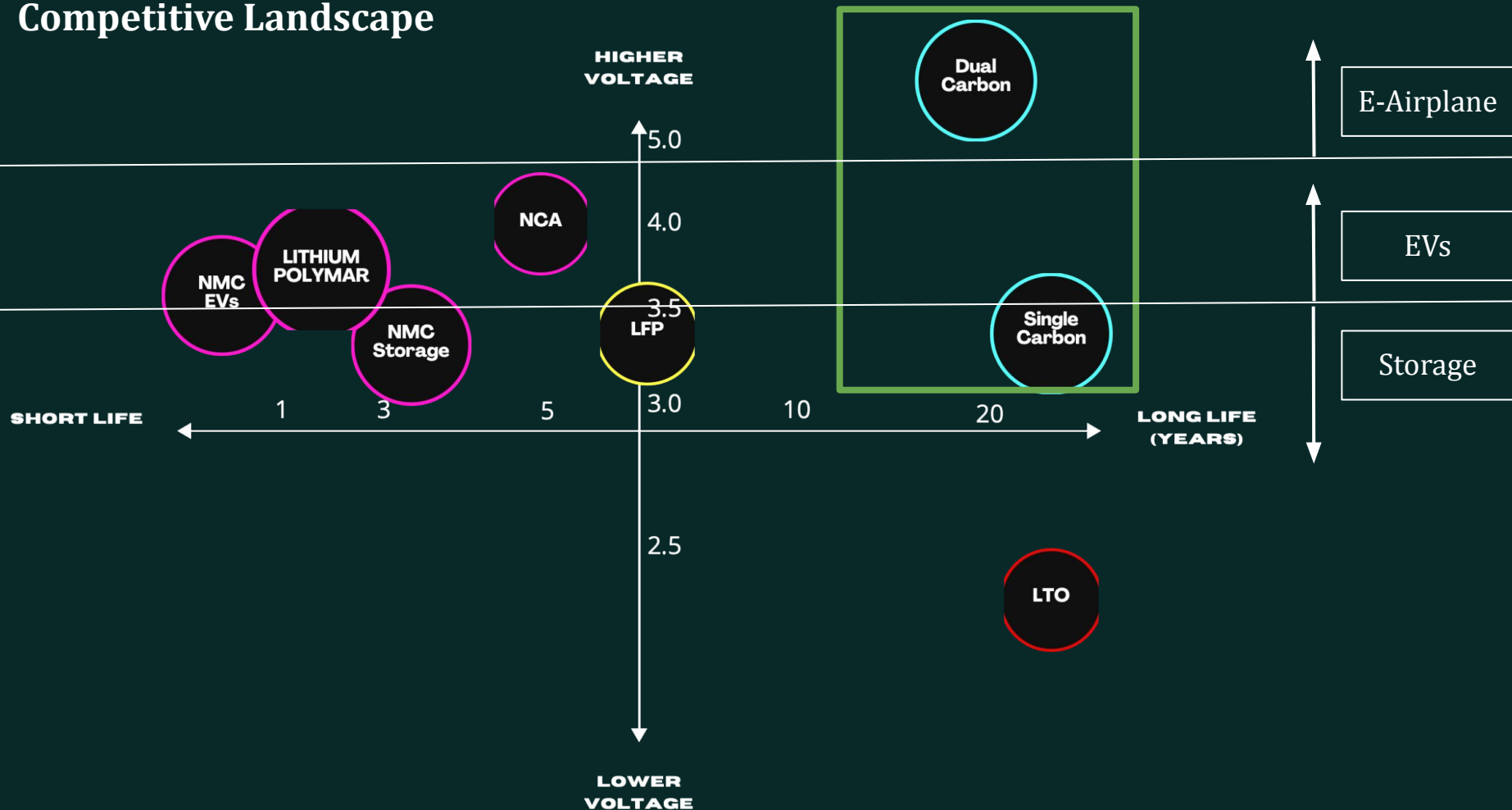
Explosive

180 分

1-4 years



# Competitive Landscape





## Executives



**Hiro. A. Nishina**  
FOUNDER/CEO



**June Oyama**  
CO-FOUNDER/CFO



**Inketsu Okina**  
CO-FOUNDER/CIO



**Victoriya Shirota**  
GLOBAL SALES MANGER

## Management

## University



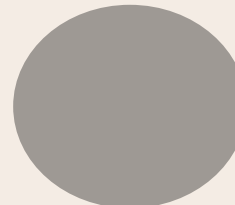
## Advisory and Joint Researchers



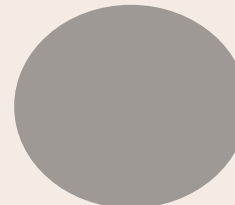
**Dr. Yukihiisa Namiki**  
Strategic Advisor



**Dr. Shigeto Okada**  
Technical Advisor



**Dr. Yuichi Harada**  
Joint Researcher



**Dr. Tatsumi Ishihara**  
Joint Researcher



# Our Vision

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To deliver sustainable energy solutions

to everyone on the planet

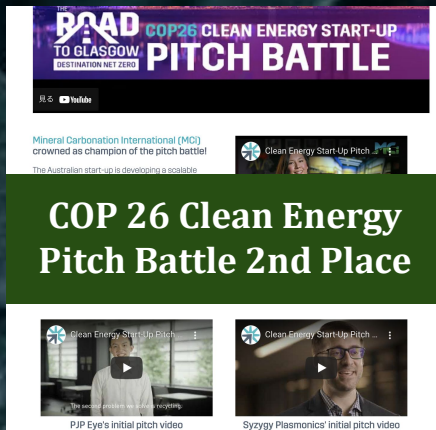
by creating the sustainable economic system



## Future of Mobility award by the British Embassy of Tokyo



## TecX: 100,000 GBP funding with acceleration program



## COP 26 Clean Energy Pitch Battle 2nd Place



## Governor of Tokyo Award



## Plug and Play Expo



## Gitex Best International Startup Award



# Let's Save the World Together!

Scan & Contact me on Linkedin: Inketsu Okina

