Game-changing eco-friendly technology
Our Secret «Source»

Li-ion battery

- Graphite
- Electrolyte
- LiMnO

High specific energy
Low self-discharge

We will replace the conventional graphite with 10 times more energy dense Silicon material

Supercapacitor

- Activated carbon
- Electrolyte
- Activated carbon

High safety level
High specific power
Good cyclic stability
Sawdust → Active carbon → Carbon electrode → Super capacitor

Silicon nanopowder → Silicon electrode → Li-ion capacitor → Electrolyte
Product Design Based on Industry Standards
Features
✓ Instant charging (<2 min)
✓ High cycle life 100 000 cycles
✓ High power 30 C and moderate energy
✓ Low resistance => high round cycle efficiency
✓ Non flammable

Advantages
✓ Higher operation time – no need to wait for charging
✓ No need for battery replacement due to lifetime
✓ Simpler and thus lighter installation
✓ Better energy efficiency, and less cooling requirements
✓ Safe, environmentally friendly and efficient!
Our human super-capacitors
Segments in the energy storage industry

CAPACITOR
High power density

BATTERY
High energy density
The market

A 122-fold boom of stationary energy storage expected in the next 20 years.
Energy storage in wind farms

KK WIND SOLUTIONS
Beyonder battery center

2020

6000m²

Demo Education R&D
Beyonder Battery Plant opens in 2023
Official partners
Thank you!

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