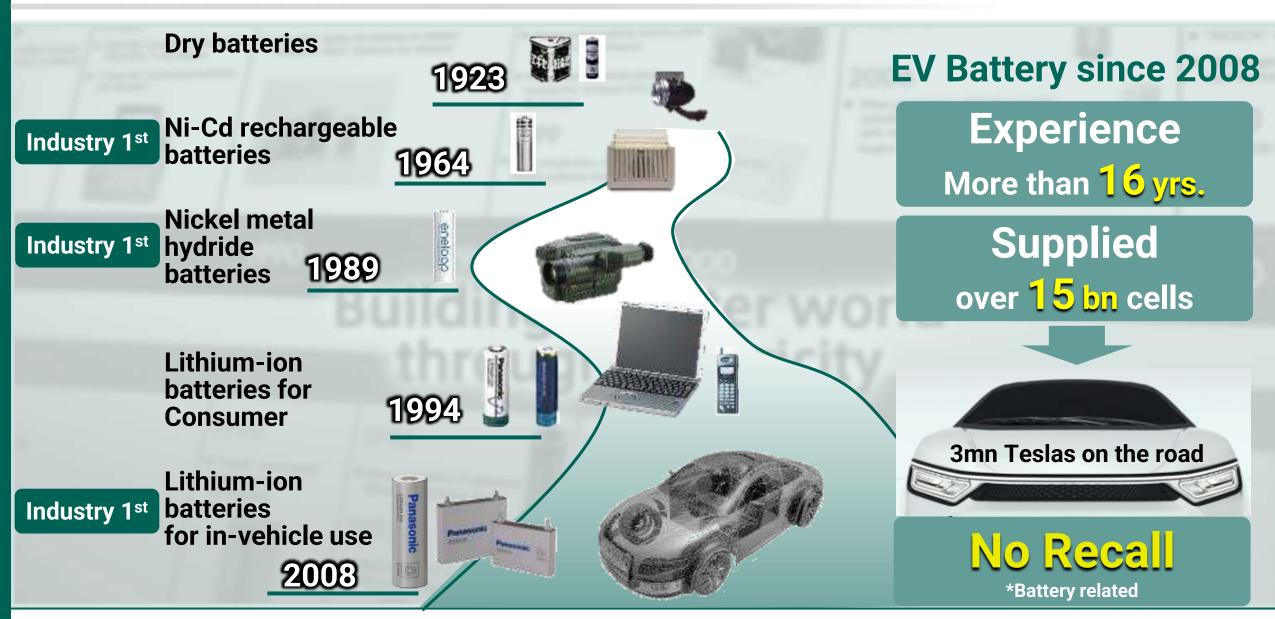
Evolving Energy Solutions

Panasonic Energy Co., Ltd. **Policy & External Relations** N. Nakanishi



100 Years of History



3 Business Divisions Pursuing high space efficiency by high energy density

55% 45%



Mobility Energy Business Div.



Energy Solutions Business Div.



Energy Device Business Div.

Mobility

Promoting electrification of mobility.



Life Infrastructuer / AI & Data Security

Contributing to a safe and secure social infrastructure.

For Power Grid















Maintaining a high share on major U.S. platformers.

Medical Health Care

Protecting American lives with safe and reliable batteries.













Major Production Bases

Global 20 Production Sites (Japan 9, Overseas 11) China North America 2sites India 3sites Japan _2sites 9sites Under 00000000 Construction Southeast Asia Central & 2sites South America 2sites **Automobile Battery Industrial & Consumer Battery**

Battery Must Be Safe Above All Else

Fire caused by other company's batteries



Our Definite Responsibility

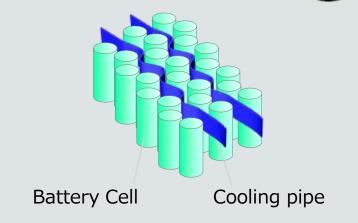
Safety and redundancy

Small / High melting point of iron can Easy to control heat flux during ignition

We won't allow burning.

Quick charging

Easy to layout side cooling



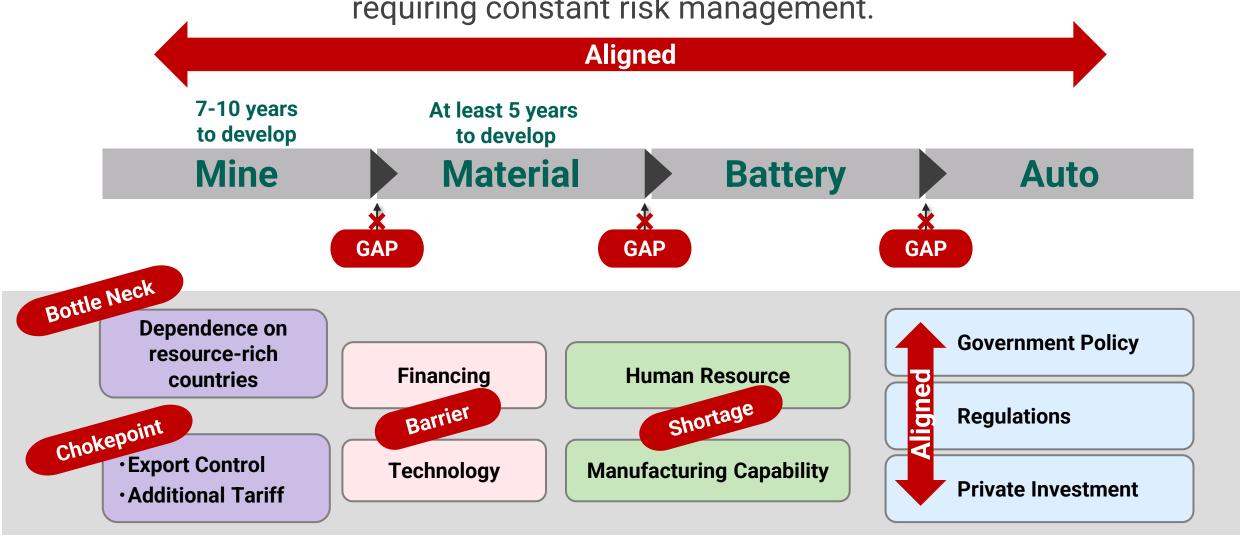
Must not harm, damage, or stop



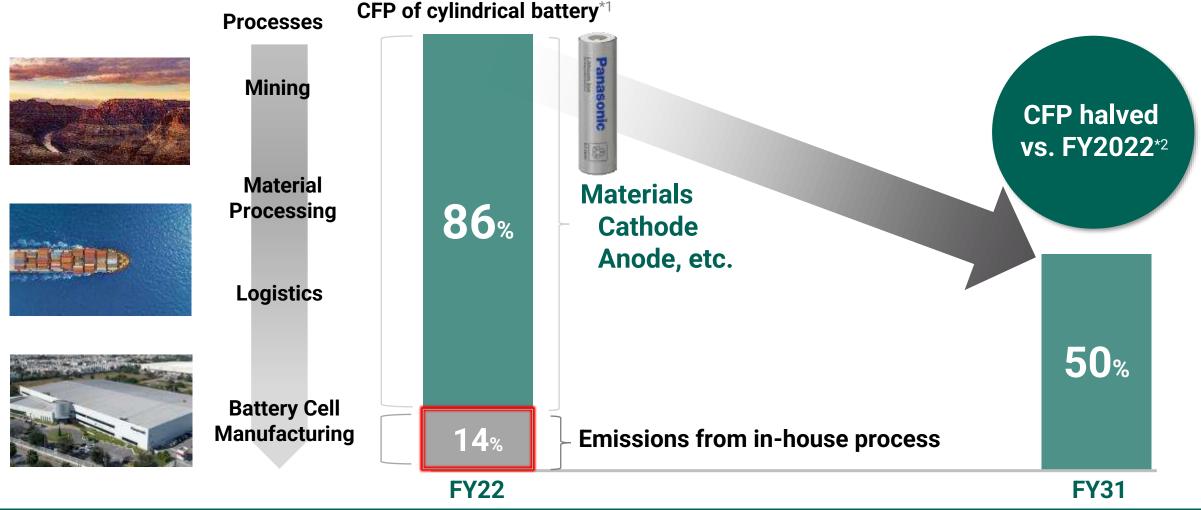


Operational Excellence in Complex Supply Chains

The battery industry involves complex supply chains and operations, requiring constant risk management.



CFP(Carbon Footprint) Reduction Plan Halve CFP throughout the supply chain.



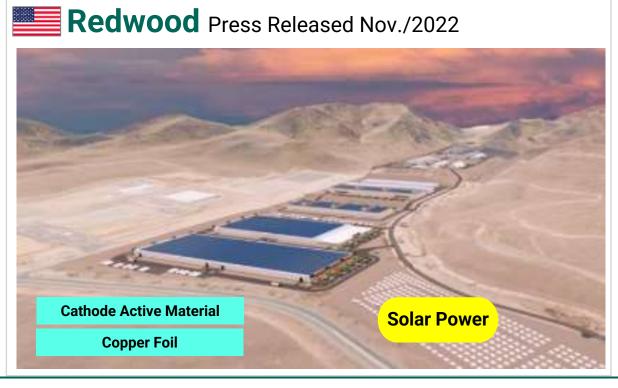
Partnerships with Resource Companies

Active use of **low-CFP** materials and **recycled materials** to reduce CFP throughout the product life cycle.

Supply chain with low environmental impact

Resource circulation (recycling)

Low CFP Material





Establish Next-gen R&D Bases

We commit to accelerate our innovation to keep our technology leader position in battery industry.



Manufacturing Method 2024~

- Develop new production machineries.
- Invent new manufacturing method.





Battery Cell 2025∼

- Centralize Cell development.
- Next-gen material / Process development.



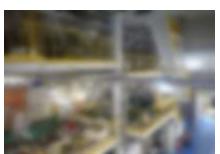
In-house Production of CAM



















World Largest Battery Association



Battery Association for Supply Chain

Established: April 1, 2021

Chair : Kazuo TADANOBU

CEO, Panasonic Energy

: 238 Companies Members





Panasonic ENERGY

Energy that changes the future.

