

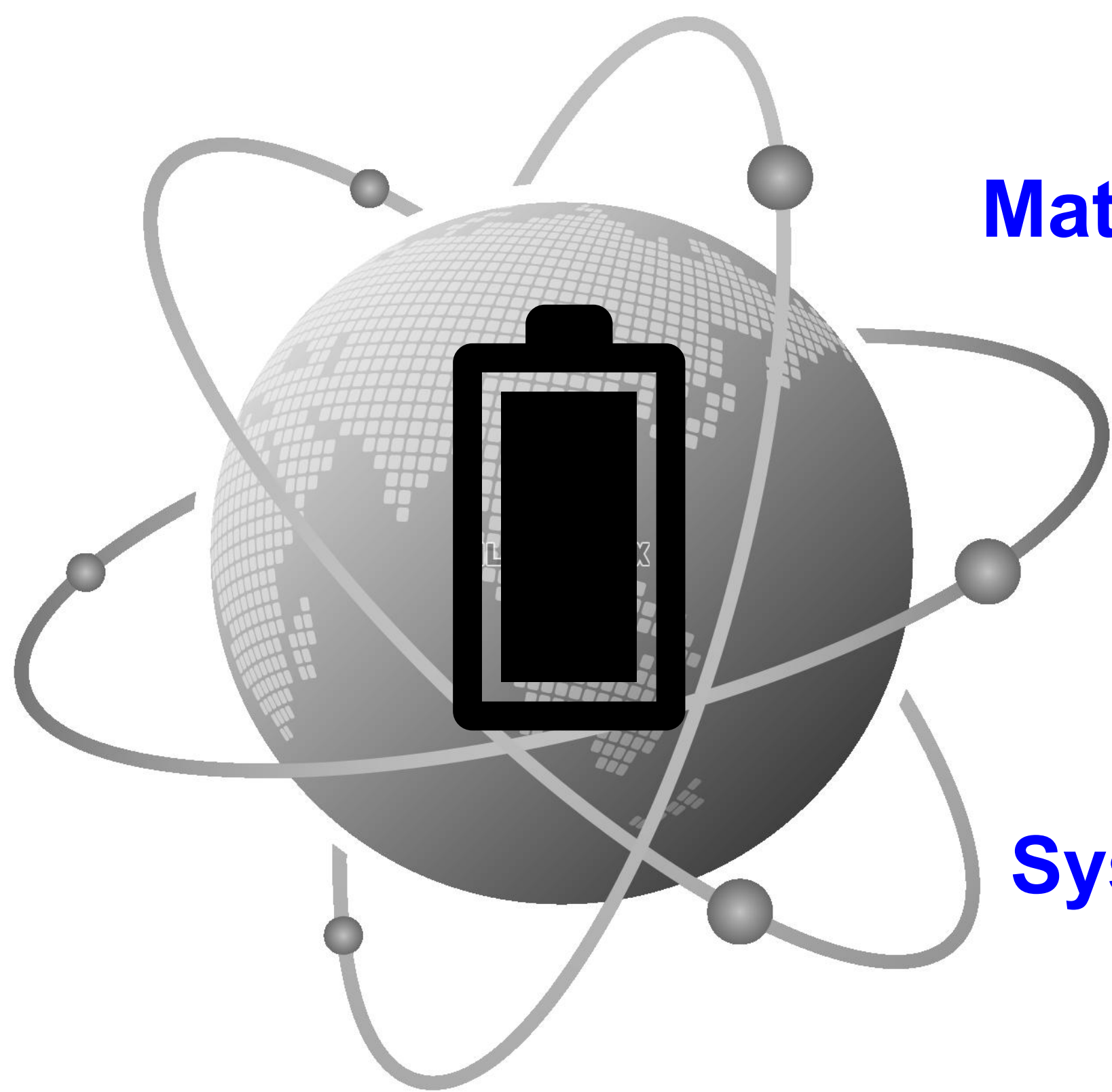
# KRI's Battery / Energy Storage Technology

Supporting your Research and Development

Energy storage technology will revolutionize the mobility society and energy systems. KRI contributes to the advancement of energy-related environmental technologies.

KRI Solves your Technical Issue / Challenges Together.

If you have any technical problems, please contact KRI first.



## Material

Materials and Components for the compact and lightweight batteries

## Battery

Long-life battery  
Safety of battery

## System

All-solid-state battery

Lifespan prediction  
SOH (State of Health) diagnosis  
Battery Management System

Reuse and recycling with the aim of reducing environmental impact

Support System : Research & Development / Evaluation / Analysis / Investigation

### Energy Conversion Research Lab.

Approach from

#### “Materials, Components, and Electrodes”

- Materials / Components, battery development support
- Electrode technology and Dispersion technology
  - Prototype battery
- Development of advanced batteries
  - Advanced evaluation technology (reaction uniformity, composite material)
- Development of Ultra long-life batteries

Approach from

#### “Device Systems”

into consideration of long-life applications

- SOH diagnosis (assessment / life estimation)
- Ultra-long life operation control
- Safety and limit load evaluation
- Support for system development

### Secondary battery field

Advanced Battery and Capacitor Lab.

Next-generation batteries Research Lab.

Battery System Lab.

### Next-generation batteries Research Lab.

#### “All-solid-state Battery”

Support for cell development  
Evaluation of materials and components

- Polymer application to next-generation batteries
- Dry electrode technology
  - Interface bonding
- Bipolar battery development
- Development of all-solid-state batteries
- Next-generation active material
  - Recycling technology

