

# Powering Homes: Repurposing EV Batteries for Residential Energy Storage Solutions

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## Area of interest:

Extend the lifespan of manufactured products and parts.

## Innovation:

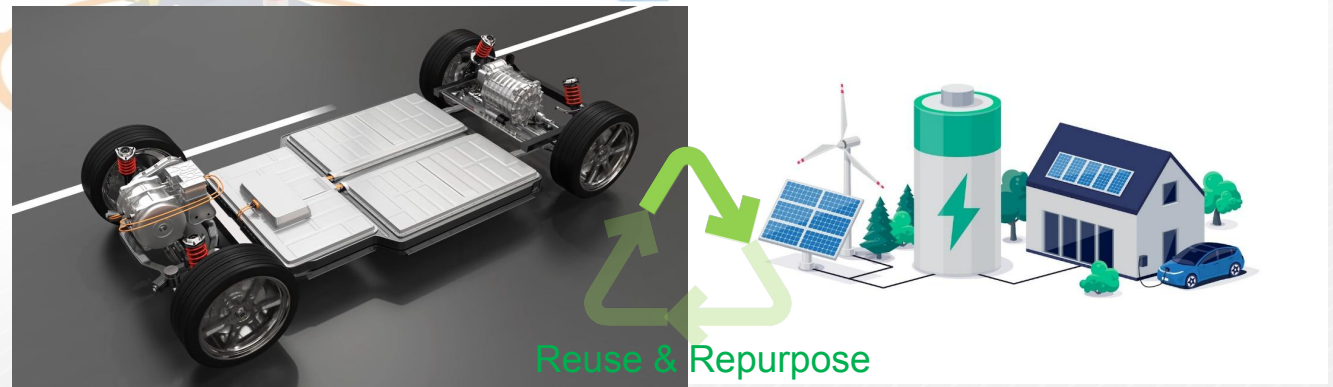
To integrate retired Electric Vehicle (EV) batteries into residential energy storage systems.

## Community benefits:

- Affordable energy storage system for disadvantaged communities
- Energy cost reduction
- Job creation, workforce development
- environmental benefits

## Top strategic steps:

- Feasibility Assessment
- Technical Adaptation
- Strategic Partnerships
- Regulatory Compliance
- Community Engagement and Education
- Pilot Programs
- Monitoring and Optimization
- Economic Incentives



In its second life, a fully charged EV battery can consistently power a household for 2-6 days, ensuring grid independence.