



### Why is a second life battery industry important?

US to have 40 GWh of Second Life batteries Per Year by 2030

Annual Impact:  
**\$10 Billion+**

**10 Million Tons of CO2 Reduced**

Preventing the mining and emissions of  
**20 Million pounds of cobalt**  
**11 Million pounds of lithium**

### Why is battery State of Health (SoH) Important?

Indicates if battery is suitable for a 2nd life as energy storage, or if it should be recycled

- SoH > 80%: Reuse or repair for transportation
- SoH 40-80% : 2<sup>nd</sup> Life as an Energy Storage System
- SoH < 40%: Possible 3<sup>rd</sup> life or Recycle

### Battery State of Health Use Cases

