## **The Problem**

Although the United States' aim is to have a carbon-free grid by 2035, our solar energy production is already being curtailed. We lack the means to store it even for just a few hours until desperately needed to meet peak demand. Meanwhile, millions of electric vehicle batteries produced abroad will be decommissioned in the years to come, threatening a deluge of hazardous waste.

## **Our Solution**

When decommissioned, EV batteries typically retain about 80% of their initial capacity. But first they must be tested for state of health (SOH) and safety. With existing technology, that can take up to 10 hours in a time, energy, and labor intensive process. ReJoule

delivers comparable results in as little as 30 seconds, giving users access to immediate and accurate data on their battery health and performance.

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## **The Market Potential**

In a 2019 study, McKinsey & Co. estimated that the used-battery supply would be worth more than \$30 billion by 2030. But if it takes 10 hours to test a single battery, it's no wonder why the industry remains a growing pile of hazardous waste. ReJoule's innovation can unleash this new global market.



## How It Works

ReJoule's technology uses electrochemical impedance spectroscopy (EIS) to measure the alternating current impedance (ACI) of a battery cell, module, or pack. ReJoule's hardware product is coupled with machine learning algorithms to correlate a battery's ACI to its SOH, the power delivery capability of the battery, and the state of balance (SOB) of the battery pack.



Battery Evaluation Dashboard





