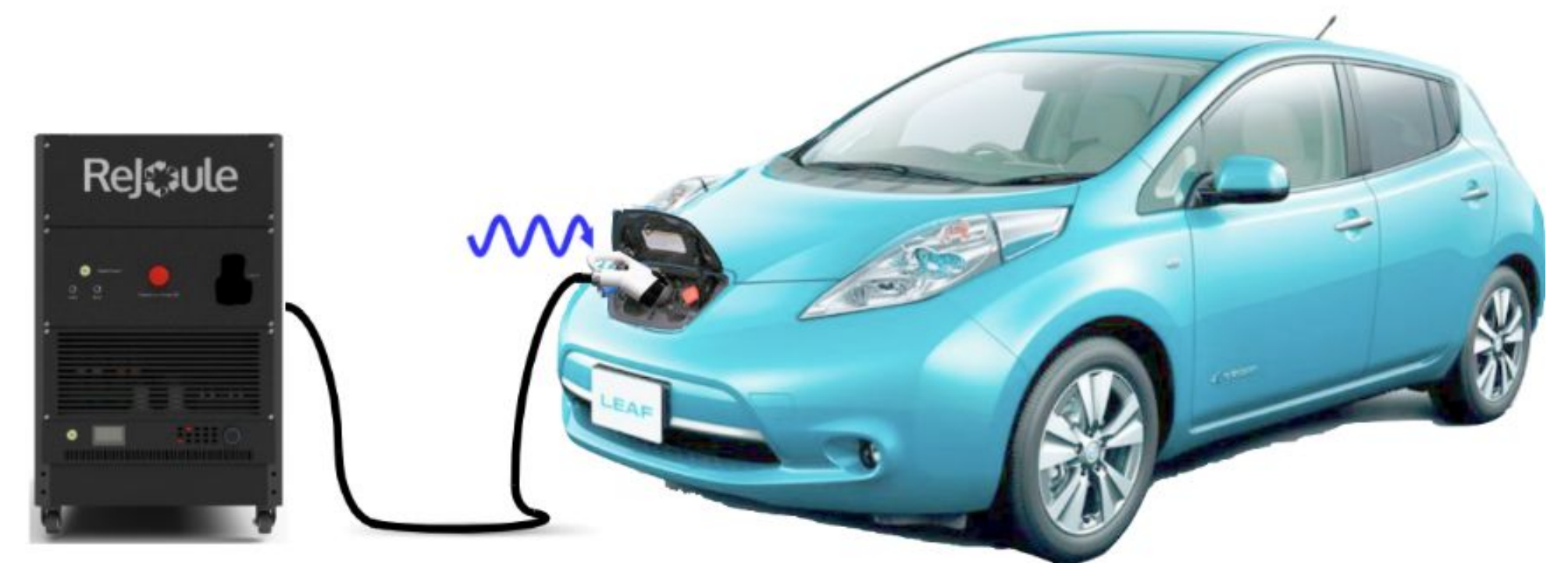


Submission Summary Slide

The problem: Neither the onboard diagnostics in electric vehicles nor existing tools in auto service centers can assess the safety, state of health, or residual value of an EV battery. This makes it risky for lower income consumers to enter the used EV market. And without a scalable form of diagnostics, decommissioned EV batteries can't be repurposed.

The Innovation: Leveraging electrochemical impedance spectroscopy, our technology measures impedance, a reliable proxy for determining a battery's State of Health (SOH). We then couple the hardware output with proprietary machine learning algorithms to correlate the battery's impedance to its SOH. Our simple device connects through the charging port.

The impact: Our technology opens possibilities for circularity throughout the battery lifecycle, delivering confidence to the used EV market and overcoming a hurdle to repurposing decommissioned batteries for use in stationary storage. We're building workforce development opportunities and a path to onshoring a second-life industry.



A track record of support, with community benefits at heart

