

# Your Battery OEM.

Rainhouse decided to pursue battery manufacturing capabilities after a client's request. Our clients often approach us with challenges that push us to our limits. Fueled by our desire to do the best we can and grow as a company, we utilize both our research and development team and our manufacturing experience and expertise to make products that meet the needs of our clients.

Taking our client's request and advice, Rainhouse approached Canadian Electric Vehicles (CanEV) about a project to tackle the lack of local battery manufacturing capacity in BC and the supply chain issues associated with it. Rainhouse, along with CanEV applied for and received a Supply Chain Resiliency Grant (SCRG) from the BC provincial government with the goal of establishing the necessary competence and supply chain needed to develop a battery pack that will power CanEV's new mid-sized utility truck, as well as prepare Rainhouse for future battery manufacturing projects.

Rainhouse's long-term goal when it comes to battery manufacturing is to invest, develop and produce battery energy storage systems (ESS) for green technologies, including off-grid storage and electrified vehicles and vessels, which have the potential to drive our local economy going forward.

Thus far, our research, with the help of the University of Victoria's Clean Transportation Research team, has involved identifying new and used battery sources, testing, battery performance, and long-term degradation modeling. We have experimented with end-of-life Nissan Leaf batteries and with new cells to create three different prototypes. We are also working to acquire all the necessary equipment for testing and production and determine the certification requirements for the battery packs we hope to be producing soon.

