

## Updates & News:

Introducing a New Division of Lakeland Holding Ltd.



**The Innovation Team**, responsible for project SPEEDIER and DEMOCRASI, have transitioned to become the Lakeland Solutions Team.

Lakeland Solutions is dedicated to furthering electricity innovation. From smart homes to grid developments and developing energy markets, Lakeland Solutions is changing the way we view power.



This fall, the SPEEDIER project has received interest from other groups outside our area. We have provided tours and presentations to share about the project.



Visit our website at [Lakeland Solutions](https://www.lakelandsolutions.ca/) and follow us on social media to stay up to date on upcoming projects.



If you have any questions, please reach out to us. <https://www.speedier.ca/>

## Asset Updates

### **MicroGrid**

The microgrid operated autonomously three times this year during storm events, running an average of three hours per outage, keeping customers with power.

### **Solar**

The solar site has produced about 605 MWh of clean, green electricity to date in 2022 compared to 500 MWh in 2021. This is enough energy to power approximately 65 homes for a year!

### **Utility Scale Battery (BESS)**

Our Tesla Megapack continues to receive upgrades in both hardware and software and is now performing even better than when we first commissioned it. We are also able to actively reduce the peak events on the MS3F1 Feeder in Parry Sound and improve the functionality of the electrical network.

### **Residential Energy Storage Systems (RESS)**

With improvements to the Tesla Powerwall's API we have expanded the capabilities of the Powerwalls beyond providing standby power for 10 customers in Parry Sound. These batteries now have the ability to actively support the local grid in Peak Shaving events, power factor corrections and emergency power support.

### **Hot Water Tank Controllers**

Our fleet of Hot water tank controllers has been decommissioned after the company we purchased them from shut down. Despite this disappointing news, we were able to gather a wealth of knowledge and data on the demand response capabilities for Hot Water tanks and will apply this to future programs.

### **Electric Vehicle Chargers**

Our fleet of EV chargers are running well and currently providing EV owners with free charging at all three locations. We have observed a significant increase in usage this year and expect that to keep climbing!



Seasons Greetings  
from  lakeland  
SOLUTIONS

Thank you for your continued Support!