

MICROGREEN INNOVATION HIGHLIGHT



COMPANY OVERVIEW

Delivering cost-savings and reducing environmental impact, Microgreen designs and builds a variety of “solar + storage” solutions including solar powered systems for cottages and off-grid homes, lithium ion batteries for boats and vehicles, and sustainable lithium ion batteries for telecom base stations.


LOCATION: RICHMOND HILL, ON

TECHNOLOGY




Internet of Things

R.K. Hong, Co-Founder

 rk.hong@microgreen.ca
microgreen.ca

Rick Penwarden, Sr. Manager, Marketing

 rick.penwarden@cengn.ca
cengn.ca/projects

THE DEMAND FOR OFF-GRID POWER AND REDUCING CARBON EMISSIONS

Over the past 10 years, there’s been a major increase for the demand of off-grid power and a goal to decrease the amount of carbon emissions we create every day. Major technologies such as electric cars and “green homes” have taken off in popularity, driving the demand for solar and storage technologies within numerous fields. Businesses are taking advantage of this trend too. With solar and storage technologies, they’re reducing costs while decreasing carbon emissions. But, behind this massive demand lies two crucial factors to the success of it all – the need to convert energy and the need to store it – the solar panel and the lithium ion battery.

SERVICING VARIOUS VERTICALS IN NEED OF ELECTRICAL SOLUTIONS

With over 10 years of experience in the solar and lithium ion battery market, Microgreen provides reliable solutions to meet the world’s demand for reducing carbon emissions. Microgreen creates and distributes solar powered generation systems and lithium ion batteries. Servicing multiple needs from cottages, RVs and boats to telecom towers, Microgreen provides both off-the-shelf and customized packages to meet individual requirements for various verticals.

IDENTIFYING BOTTLENECKS

With CENGN’s infrastructure and allocated testbed, Microgreen successfully identified resource utilization and system performance at their desired user level. Microgreen experienced resource bottlenecks in their traffic flow model and backend computing. Because of this work with CENGN, Microgreen now has improved resource utilization and system performance of their product to help them better market to a broader audience.

“CENGN provided the computational resources and testing process guidance we needed to get our product market-ready and accelerate commercialization.”

R.K. Hong

Co-Founder, Microgreen

