

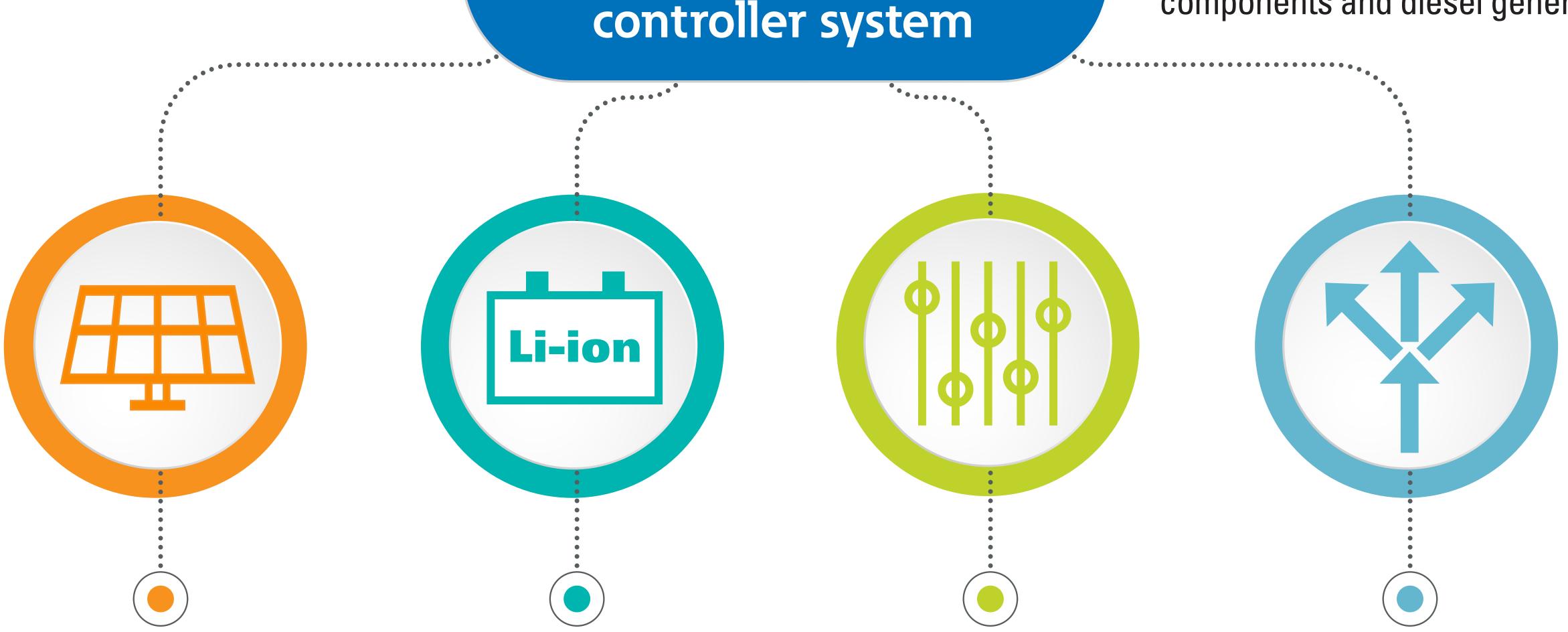
Microgrids bring sustainable power to remote communities

CHALLENGE:

Help an indigenous community in Canada sustainably source power, reduce emissions and cut energy cost

SOLUTION:

Eaton's Power Xpert Energy OptimizerTM controller system providing centralized microgrid control for solar PV, energy storage components and diesel generator systems



Eaton's Power

Xpert Energy Optimizer

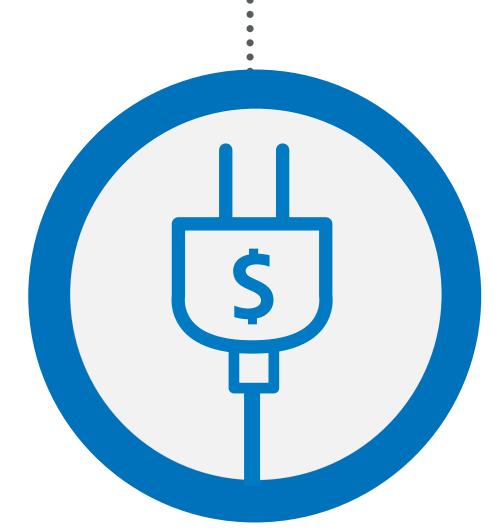
250-kilowatt solar PV array

200 kilowatt-hours of lithium battery energy storage

Upgraded generator controls

Dual-port power inverter to convert existing single-phase distribution into a three-phase network

REDUCE harmful emissions and reliance on diesel generators



Results

MINIMIZE cost of energy and required maintenance



MITIGATE risks associated with transportation and storage

Microgrid applications are as unique as our communities:

This project demonstrates the benefit of microgrids for powering remote communities. Eaton's expertise can be applied to grid-connected communities, businesses and institutions to support more resilient, sustainable and affordable power.

For more information, please visit Eaton.com/microgrid

