

# SARNIA, ON:

A case study with Convergent Energy + Power



## The Challenge:

The Ontario Global Adjustment (GA) charge is an IESO system-peak related charge for large industrial and commercial customers that can be lowered by reducing energy usage during the five highest system peaks annually. Convergent's large industrial customer sought to leverage an energy storage system to reduce their energy usage during these five peaks without interrupting the plant's operations.

To provide these benefits to their customer, Convergent needed to supply an energy storage system that had enough capacity to offset their customer's high energy usage.

## Project Details:

**Commissioned June 2018**

**Size:** 10MW/20MWh

**Use case:** Ontario Global Adjustment charge reduction

**Scope:** ESS system with control software platform, system engineering & integration, O&M services, capacity guarantee

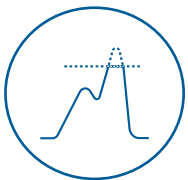
## The Solution:

Convergent valued IHI Terrasun Solutions, Inc.'s (IHI Terrasun) innovative technology and design for this project, the largest behind-the-meter energy storage system in North America. IHI Terrasun supplied the hardware for the powerful 10MW/20MWh system, as well as operations and maintenance services and a capacity guarantee for the life of the system.

These services, paired with hardware and Convergent's peak prediction software, enable the large industrial customer to significantly reduce GA charges and decrease overall costs without impacting normal plant operations.

This project is the first of IHI Terrasun's Ontario GA focused projects to reach commissioning, and signals an auspicious entry into a growing market.

## Key System Benefits:



**Reduces energy use**  
during 5 system peaks



**Decreases Ontario**  
GA charge



**Lowers investment risk**  
with capacity guarantee

## The Developer:

### Convergent Energy + Power

Convergent is the leading independent developer of energy storage solutions in North America. Powered by results, Convergent manages all aspects of energy storage development and operations to significantly lower commercial and industrial customers' electricity bills and provide utilities with cost-effective grid solutions.

To learn more about this project and IHI Terrasun's advanced software and solutions, reach out to the sales team. With expert engineers and a suite of offerings that can be tailored to fit specific projects, IHI Terrasun Solutions is ready to create the ideal energy storage solution for your needs.

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