

case study

MANUFACTURING FACILITY

Acumen EMS™ Deployed at Minnesota Electric Manufacturing Headquarters

THE CHALLENGE

All Energy Solar, a project developer based in St. Paul, Minnesota, was searching for a solution for the host customer, Trystar, a leading designer, manufacturer, and supplier of electrical power solutions for the entire power market. The customer wanted a solution that would reduce demand charges at their expansive manufacturing facility that could accompany its existing solar PV system. The site is a part of Steele-Waseca Co-Op Electric (SWCE) where the on-peak hours are during the manufacturing facility's prime operating times.

THE SOLUTION

All Energy Solar tapped BYD, a direct storage hardware partner of Energy Toolbase, to procure a turnkey energy storage system. At Trystar's 120,000-square-foot factory, All Energy Solar deployed a BYD CHESS 120kW, 2-hour energy storage system equipped with Energy Toolbase's Acumen EMS™ controls software. The Acumen-controlled ESS is situated alongside a 173kWh SolarEdge solar system. The primary controls application is Demand Charge Management, and the customer will be leveraging the ETB Monitor platform for live updates on performance and savings.

PROJECT SUMMARY



LOCATION

Faribault, Minnesota



DEPLOYMENT DATE

August 2023



ESS PROVIDER

BYD



COMBINED SYSTEM SIZE

120kW/266kWh



FACILITY TYPE

Manufacturing Facility



EMS APPLICATIONS

Demand Charge Management



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