

## PROJECT SPOTLIGHT

### BERGSTROM AUTOMOTIVE – NEENAH, WI

#### OVERVIEW

Bergstrom Automotive, headquartered in Neenah, Wisconsin, is one of the top 50 automotive retailers in the United States. Their dealership in Neenah has prepared for the launch of Ford EV models, particularly the Ford Mustang Mach-E and all electric F-150.

#### CHALLENGES

EnTech Solutions was asked to demonstrate a clean energy solution to support Bergstrom’s EV charging infrastructure challenges, while reducing the impact of demand charges.



Photo courtesy Bergstrom Automotive

#### SOLUTION

To eliminate the need for new utility infrastructure service, EnTech Solutions [clean energy EV charging](#) system was presented as a solution. Utilizing two Xcape cabinets, EV chargers were installed in the front lot and in their service bay. Both units are powered by one solar field, with support from an onsite natural gas generator.

The microgrid units are off grid, which made the installation quick and easy. This system is always on and always available, without any interruptions that could arise because of utility outages. The clean energy EV charging system also aligns well with Bergstrom’s corporate sustainability goals.

#### HIGHLIGHTS

- 49% carbon reduction vs. charging off the utility grid.
- Project completed, start to finish, in less than three weeks.
- Solar is the primary power source.
- By generating 47 MWh of annual solar energy, the dealership can provide nearly 1,000 EV charges.

#### MICROGRID SPECIFICS

ITEM	DETAILS
Type	Xcape unit and ground-mount solar
Technical summary	
Customer Load	Mach-E, 68 or 88 kWh battery
Design Output kW	36 kW
Design Storage kWh	160 kWh
Design Solar PV Input	39.4 kW
Supplemental Power Generation	
Grid Connection	Off Grid
Generator Application	Natural Gas Generator, supplemental