



Reference Projects

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Iraq/Afghanistan Border Stations/Airports

System Details

Location: Iraq/Afghanistan

Date: January 2020

Details: As part of UN effort to rebuild the infrastructure of Iraq and Afghanistan, we delivered 17 battery energy storage systems (12 to Afghanistan and 5 to Iraq) for usage at remote off-grid border stations and local airports. All systems are 50 kW with storage ranging from 45.6 kWh to 205.2 kWh for a total of 850 kW/1772.7 kWh. Due to the sensitive nature of the installation sites, no installation photos are available. All photos are from the systems during testing and validation and shipping.



COVID-19 Field Hospital

System Details

Location: Zhangzhou, China

Date: April 2022

Details: A 50kW/200 kWh BESS as part of a power system for a COVID-19 field hospital. The BESS was used to provide reliable electrical access for the medical services



Industrial Peak Management

System Details

Location: Changzhou, China

Date: September 2022

Details: A 500kW/1008 kWh BESS for Red Star Macalline Furniture Group for use at their industrial park for power management and peak-valley arbitrage.



PV+BESS+EV Charging (PBC)

System Details

Location: Zhejiang, China

Date: October 2022

Details: A 50kW/241kWh BESS as part of a PV car canopy, BESS, and EV charging system for usage at the Zhejiang Energy Group's Industrial park



Off-grid Water Pump Station

System Details

Location: Croatia

Date: May 2023

Details: A 1MW/2MWh system as an off-grid microgrid along with a 1 MWp AC coupled solar array to power a water pumping station. We delivered two 20 ft containerized systems each with 500 kW/1 MWh of storage to the EPC that executed the project.



Partner Projects



For large scale BESS installations, AGreatE works with our supplier partners to leverage their expertise and experience in their past installations. Examples of our partner projects are below:

Location	Date	Project Type	BESS Configuration	Project Information
California	Aug 2017	Demand Charge Management	30 kW/60 kWh	Lower demand charges to reduce electricity bills of client
Illinois	Dec 2018	Frequency Regulation	4 MW/4 MWh	Two 40ft containers of BESS with 2MW/2MWh configurations
Henan, China	June 2018	Grid Support	24 MW/100 MWh	Large capacity storage connected to the state grid at 10kV interconnect for grid support and frequency regulation
California	Jan 2019	PV Generation Support	200 kW/4000 kWh	Four 20ft containers of BESS. AC coupled PV system. For shifting of PV generation based on electricity pricing
West Virginia	Dec 2019	Frequency Regulation	64 MW/64 MWh	Grid support at two interconnect sites of 36MW/36MWh each
Illinois	Dec 2019	DERs Support	500 kW/1100 kWh	Battery acted as backup power and support of PV and wind power generation.

