

INFUSION SOLAR
ENERGY SYSTEMS LLC

MICROGRID ENERGY STORAGE CONTAINER

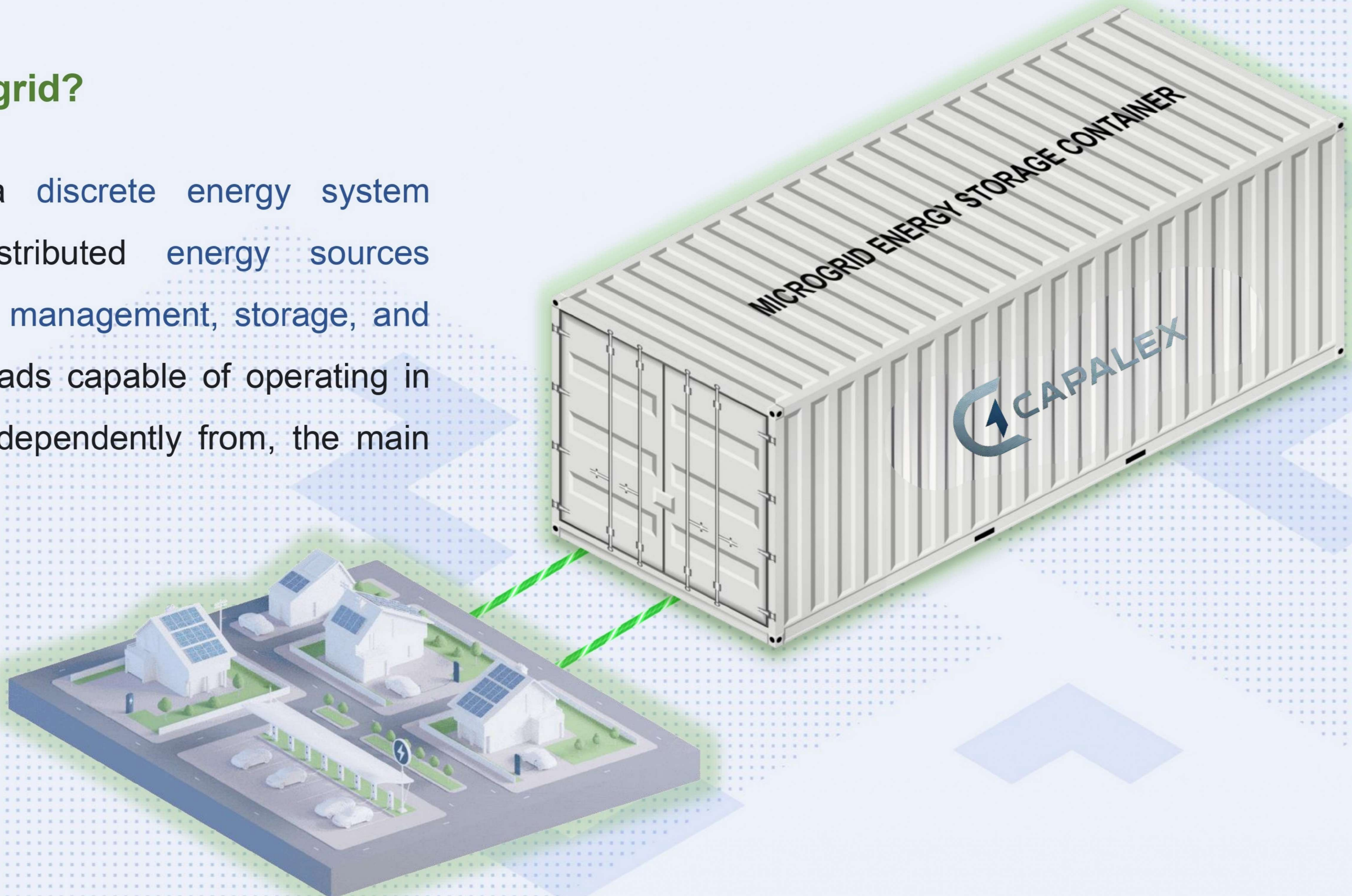


MICROGRID ENERGY STORAGE CONTAINER

What is a Microgrid?

A Microgrid is a discrete energy system consisting of distributed energy sources (including demand management, storage, and generation) and loads capable of operating in parallel with, or independently from, the main power grid.

Powering
The future
Renewable energy



MICROGRID ENERGY STORAGE CONTAINER

Specialty of our Sirius Supercap Based: Microgrid Container

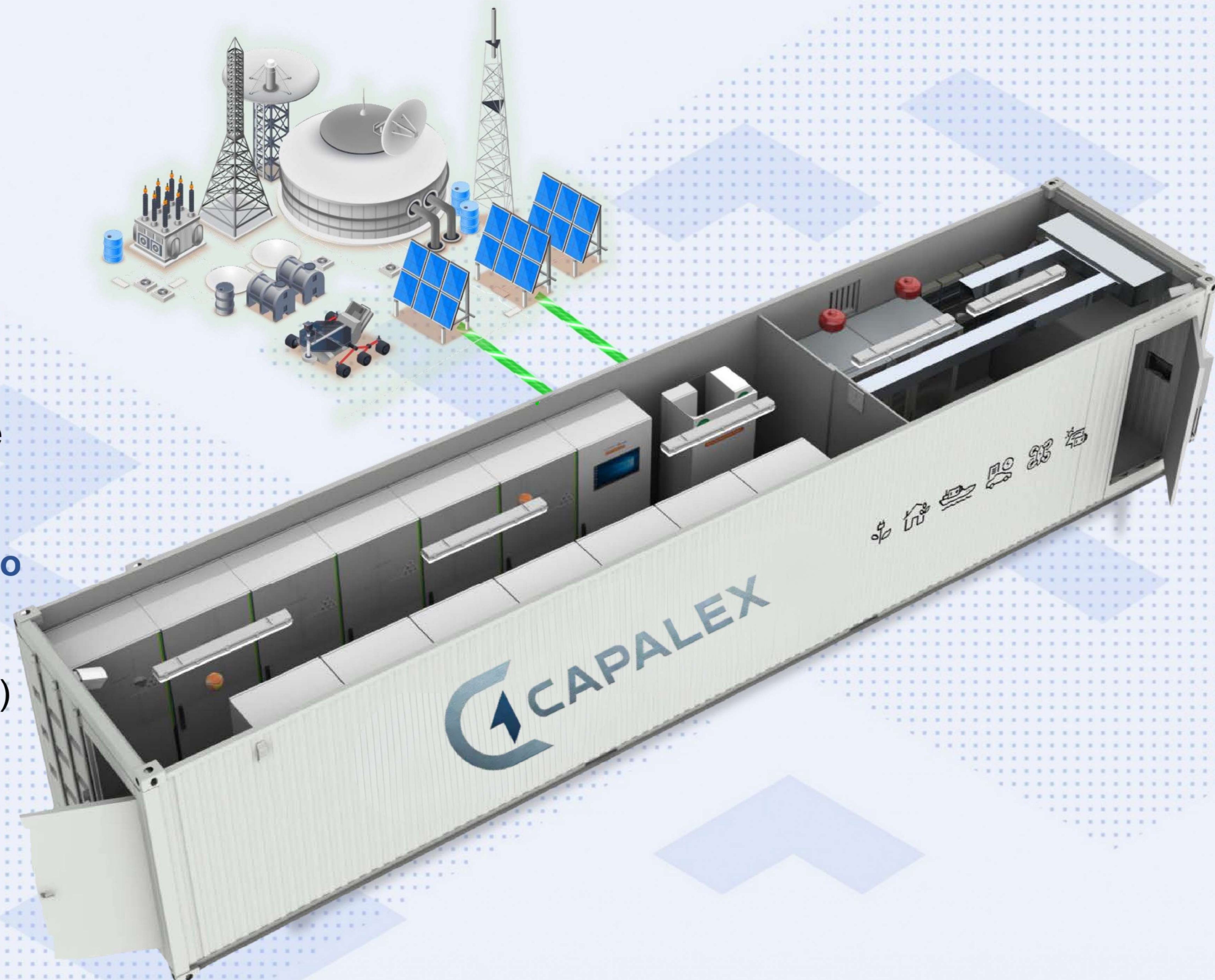
Our containerized energy storage system (Sirius Supercap) is the perfect solution for large-scale energy storage projects. The energy storage containers can be used in the integration of various storage technologies and for different purposes. The energy storage system (Sirius Supercap) containers are designed for neighborhood's, public buildings, medium to large businesses and utility scale storage systems, weak- or off-grid, e-mobility or as backup systems.



MICROGRID ENERGY STORAGE CONTAINER

Features:

- **Sirius** supercap energy storage rack
- All associated **metering** and control systems
- Internal **lighting** and **power** system
- **Fire** detecting and protection systems.
- Environmental conditions: Operating temperature range **-30°C to 85°C**
- Power and capacity: Scalable from **kW/kWh up to MW/MWh**
- Dimensions / Layout: **10' 20' or 40' ft** container(s) or customized dimension



MICROGRID ENERGY STORAGE CONTAINER

Benefits:



Attractive **price** and long asset **lifetime**



Independent **scaling** of power and capacity



Increased self-consumption of renewable energy



Environmentally friendly and safe operation



Sirius Supercap Technology: **Non-explosive**

MICROGRID ENERGY STORAGE CONTAINER

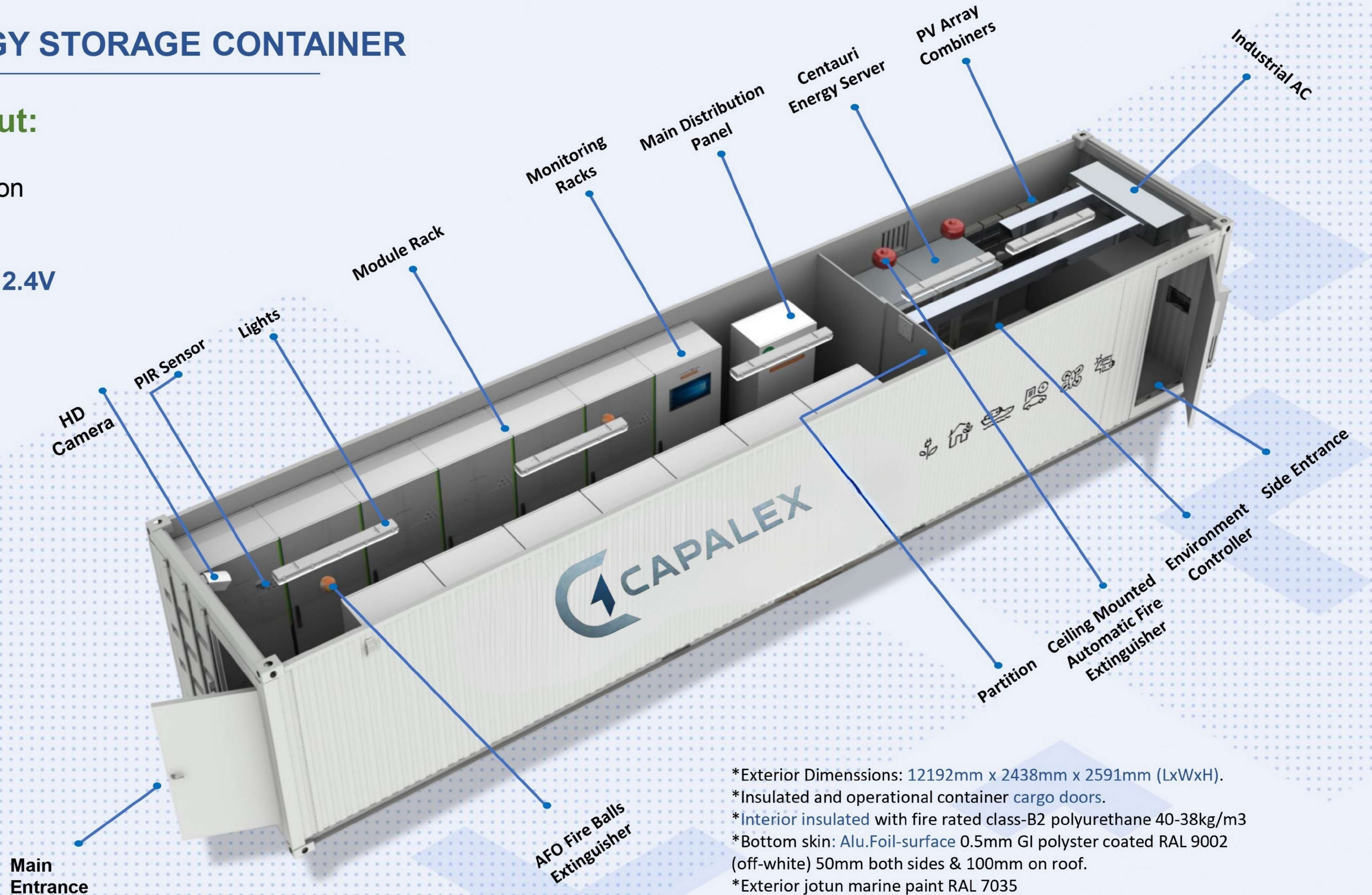
40'ft Container Layout:

Containerized Energy Solution

345.6kWh – 38V

Individual Module: 2.16kWh 2.4V

Total Modules Quantity: 160



*Exterior Dimensions: 12192mm x 2438mm x 2591mm (LxWxH).

*Insulated and operational container cargo doors.

*Interior insulated with fire rated class-B2 polyurethane 40-38kg/m³

*Bottom skin: Alu.Foil-surface 0.5mm GI polyster coated RAL 9002 (off-white) 50mm both sides & 100mm on roof.

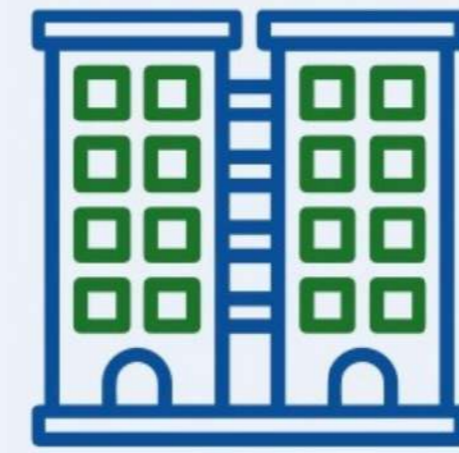
*Exterior jotun marine paint RAL 7035

MICROGRID ENERGY STORAGE CONTAINER

Microgrids are used to:



ATM's



RESIDENTIAL



MILITARY BASES



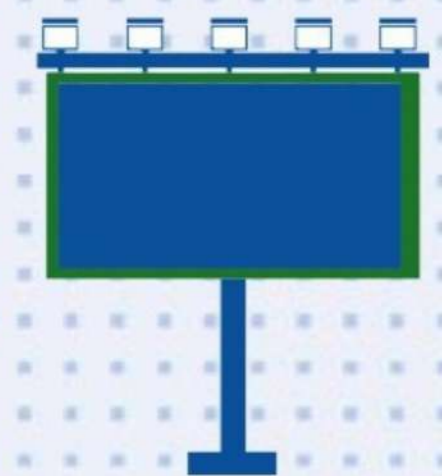
INDUSTRIAL



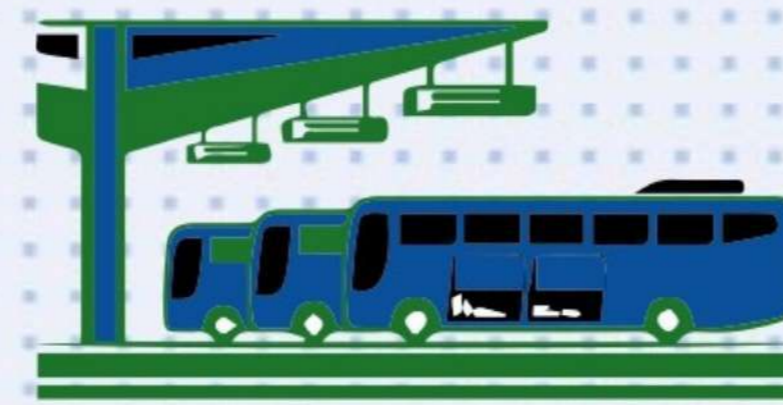
HOSPITALS



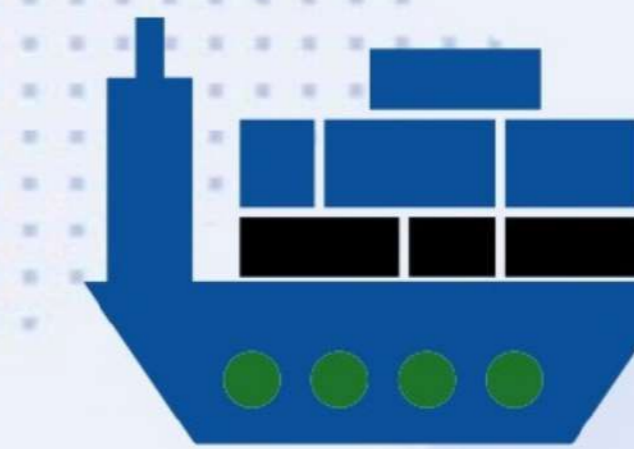
MINING AREA's



HOARDINGS



BUS STATIONS



MARINE INDUSTRY

MICROGRID ENERGY STORAGE CONTAINER

Containerized EV Charging Station



KEY FEATURES:

- Renewable Charging grid
- Portable Infrastructure
- Complete Charging Infrastructure for remote areas
- Portable Charging Bank can be integrated with existing Chargers

MICROGRID ENERGY STORAGE CONTAINER

Latest project Images:



Containerised Microgrid – Kenya



Containerised Microgrid – USA



Remote Microgrid Site – Malaysia

MICROGRID ENERGY STORAGE CONTAINER

Latest project Images:



Microgrid Project 20'ft – Somalia



Microgrid Project 10'ft – UAE

MICROGRID ENERGY STORAGE CONTAINER

Latest project Images:



Microgrid Project 20'ft – Papua New Guinea

MICROGRID ENERGY STORAGE CONTAINER

Latest project Images:



Microgrid Project 40'ft – NEOM, Saudi Arabia - KSA



INFUSION SOLAR
ENERGY SYSTEMS LLC

Power Everything



Order now or talk to a **Infusion Solar** Advisor
if you have any questions

