



## Project Summary

Build a safe, secure and transportable *Rapid Deployment Hybrid MicroGrid* ("RDHM"), comprised of a 20' container housing 22 kWp of ExoSolar (transportable on-wheels accordion-based PV racking system), with 92 kWh of LFP battery storage, all required microgrid controls and GUI interface for simplicity of operations

This system will deliver power anywhere (50/60Hz), single or 3-phase, 120/208/230/240 Volts. Operating on its own or providing relief to existing assets such as grid or diesel generator

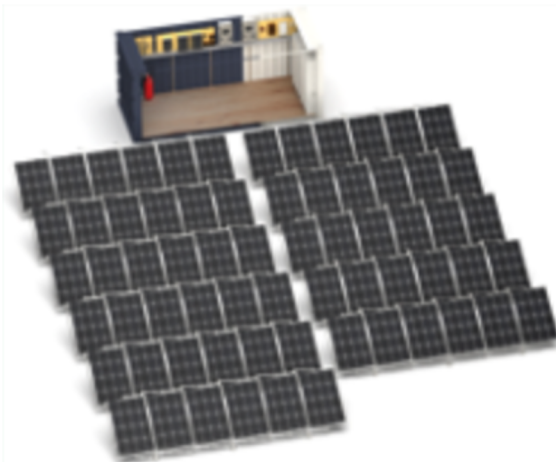
## Estimated Schedule

Set!

- Build promising proof of concept by prototyping on a small scale the integration of various hardware components and ahead of the "Go!"

Go!

- Convert prototype into a full-scale RDHM in a 20' container including collaboration with pilot testing partner

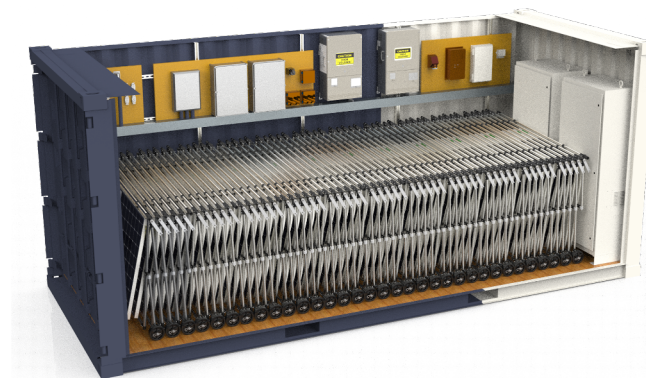


RDHM 20' Container Variant (Operational Mode)

## Project Goals (TRL)

**Current TRL: 5**  
**Potential TRL: 7 and beyond**

Transportable Hybrid MicroGrid asset(s) to DoE/DoD standards



RDHM 20' Container Variant (Travel Mode)

## Potential Impact if Successful

A solar plug & play product, designed to be simply deployed in minutes, operate for a moment or permanently.

A product that can supplement existing grid generation and/or operate off-grid standalone with/without generator back up significantly reducing fossil fuel usage

The transportability of the product offer the following benefits:

- To be safely stowed away in case of inclement weather such as hurricanes, winter storms, sandstorms, or floods
- Particularly suitable for emergency management, disaster response, humanitarian missions, and/or defense application such as forward operating bases