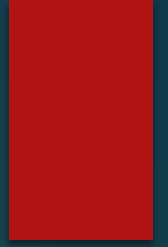


# Solar in a Box Containers to Go

SOLAR 2023  
~Switch Session 2  
August 11, 2023  
12:00-1:15

Henry K Vandermark  
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# Solar Systems Deployed in Shipping Containers



## Lessons learned or to be learned:

- ▶ Thinking inside the box
- ▶ Shipping containers = a big box
- ▶ Allow for complete and tested
- ▶ Controls costs

## ▶ Applications:

- ▶ Remote power
- ▶ Clean water
- ▶ Disasters relief
- ▶ Agriculture
- ▶ Food processing & Distribution

## ▶ Locations:

- ▶ Farms,
- ▶ food processing plants
- ▶ construction sites
- ▶ refugee camps
- ▶ remote medical treatment sites
- ▶ disaster relief sites

# PV Kits (up to 25 KW) in 20Ft Container



# Compact Solar Desalination



# Quick Microgrids





# 70 Square meters of auto-deploying PV




# Construction Sites-Humanitarian aid- Agriculture







 Charges during the daytime. Keeps your produce fresh, 24x7



# Container Business

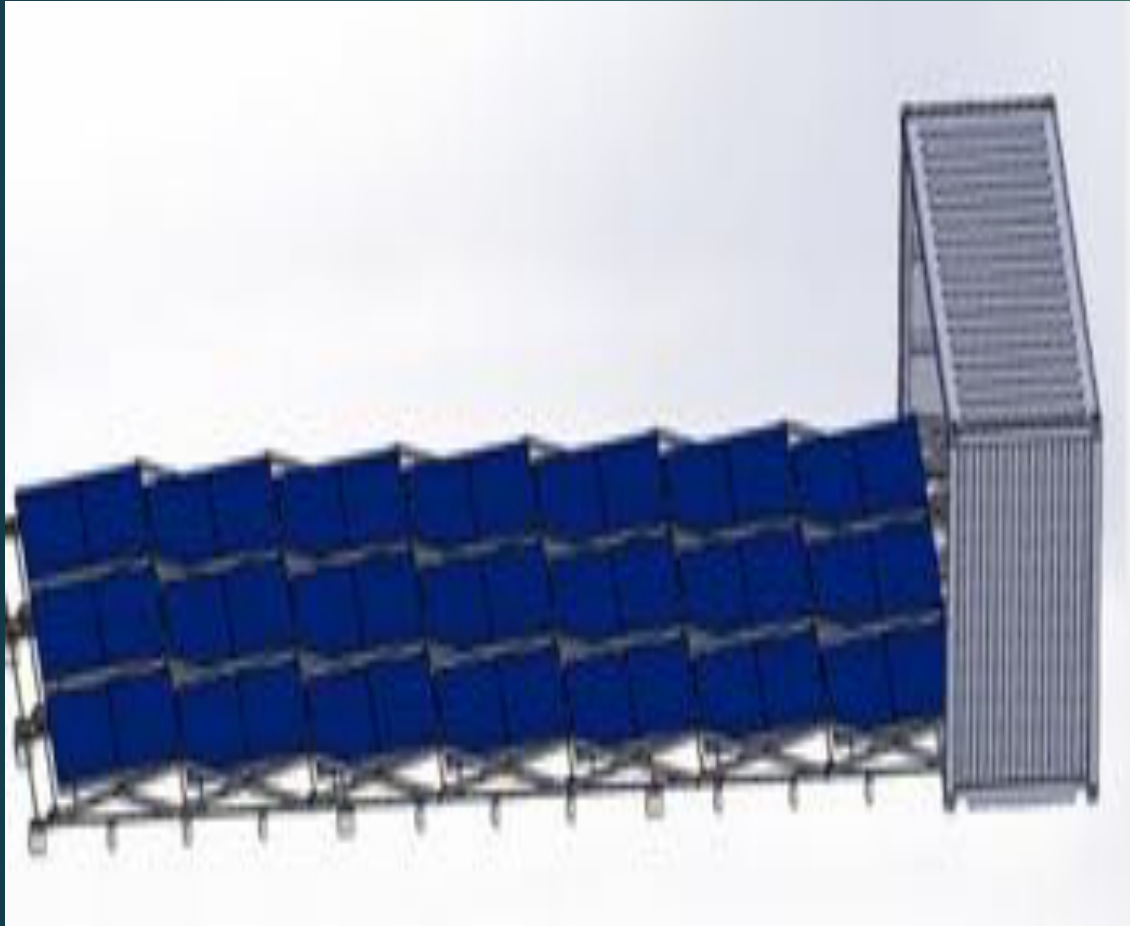


# Off-Grid Cold Chain Challenge



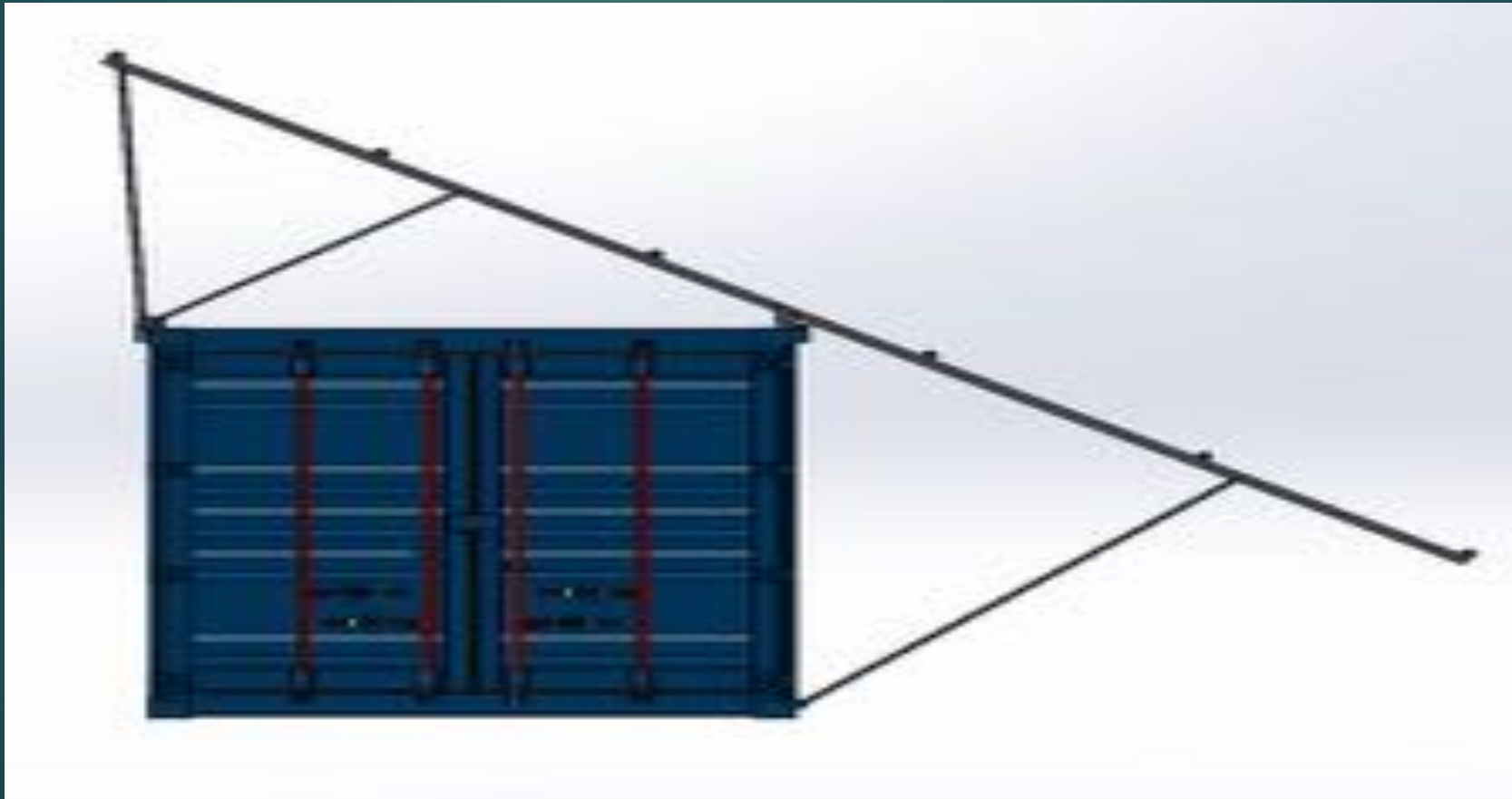
# Solar Accordion

From Drawing Board to Deployment for Emergency Power

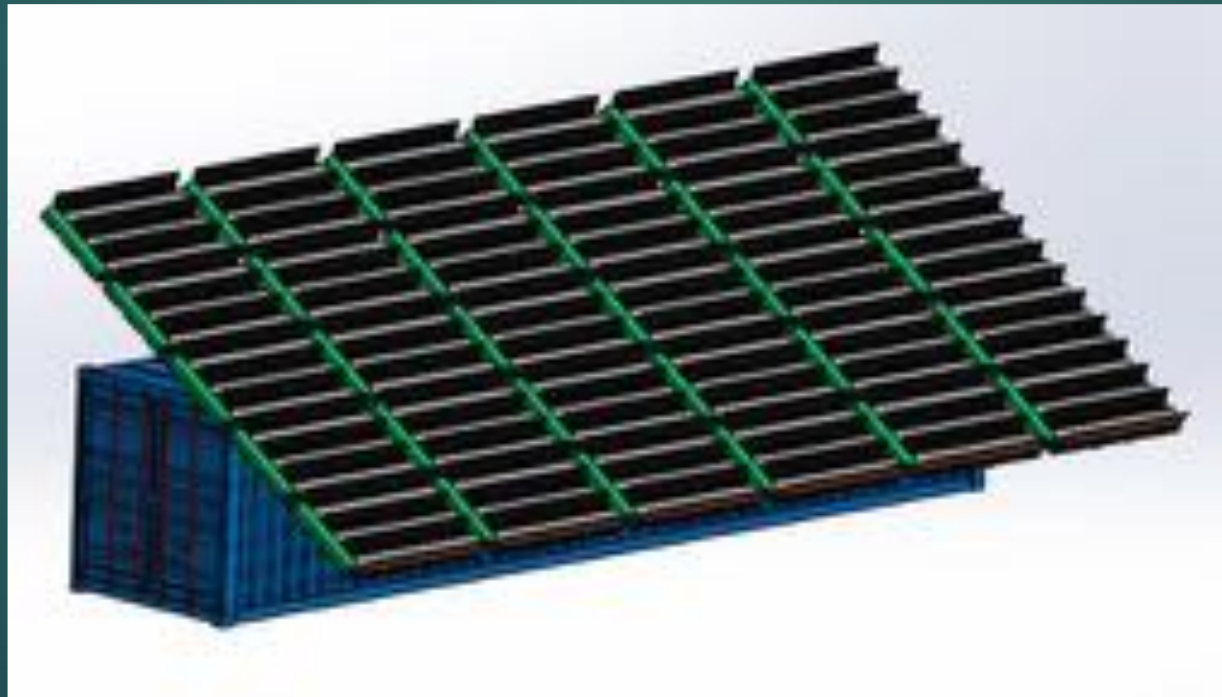




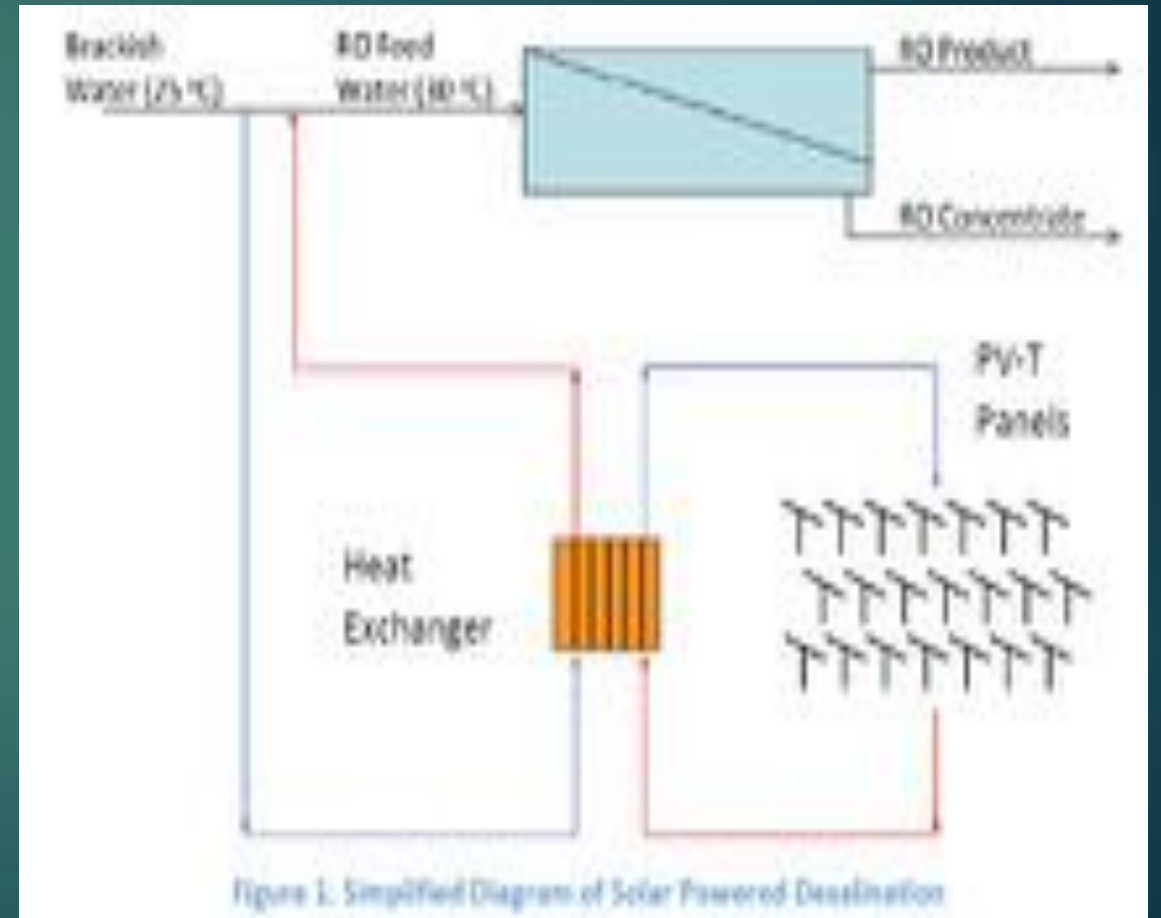
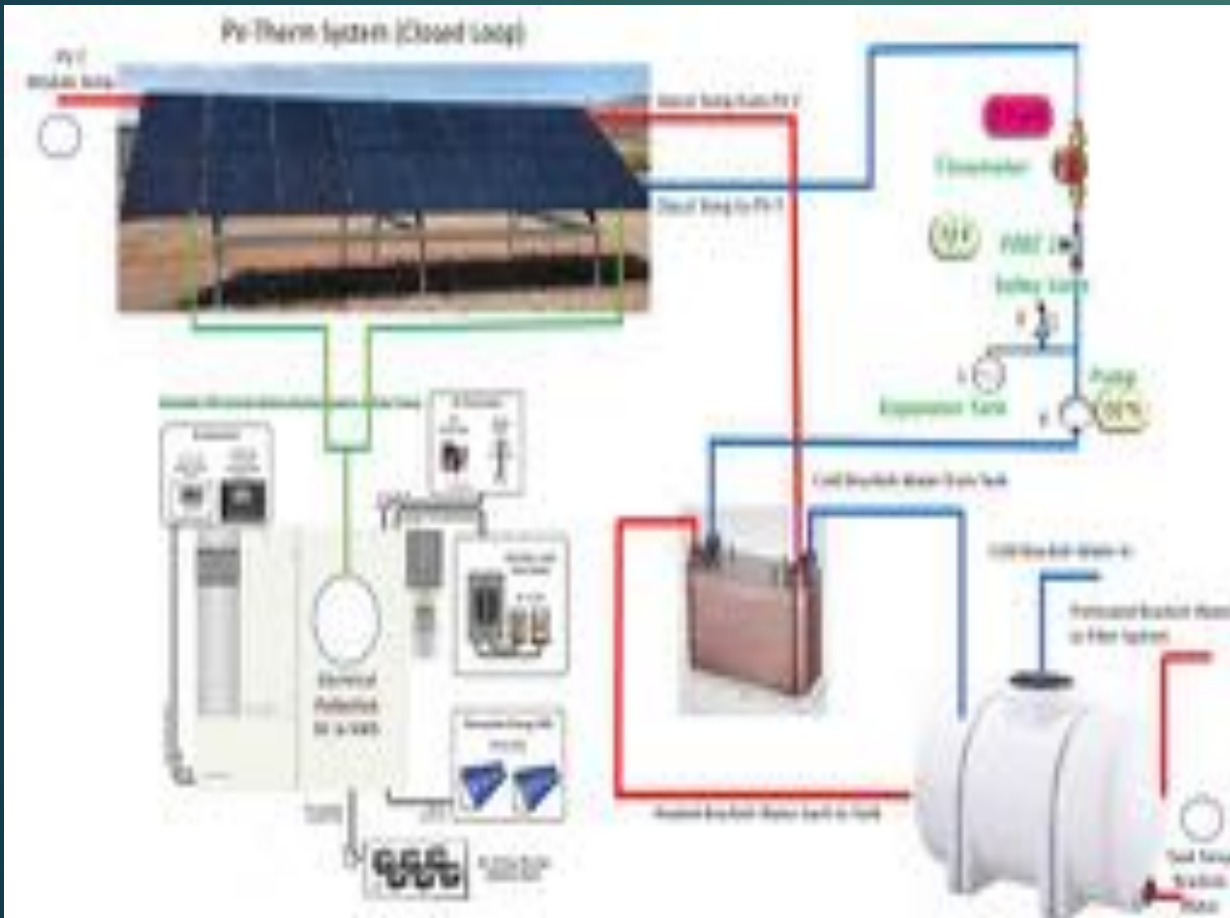
30 Collector Transfers 165,000  
BTU/hour



# Thermal capacity Non-Tracking Concentrating Collectors



# Pilot PV-T Solar Desalination





# Clean Water is the Product



# Key Bottom Lines

- ▶ Benefits of manufacturing systems can be used in remote areas
- ▶ All Parts included & Tested
- ▶ Reduced on site professional labor
- ▶ Reduces the unknowns which are unknown
- ▶ And it's complete & **ready-to-go**

- ▶ Questions or thoughts ?

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