



Minimized Logistics Habitat Unit (MILHUT)

GOAL:

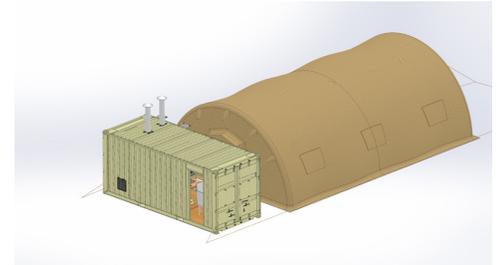
Study and demonstrate interrelationships between expeditionary camp systems to minimize fuel & water demand while improving quality of life

BACKGROUND:

Advanced through NSRDEC S&T and follow-on Rapid Innovation Fund (RIF) investment with industry partner Technical Products, Inc., Sterling, MA

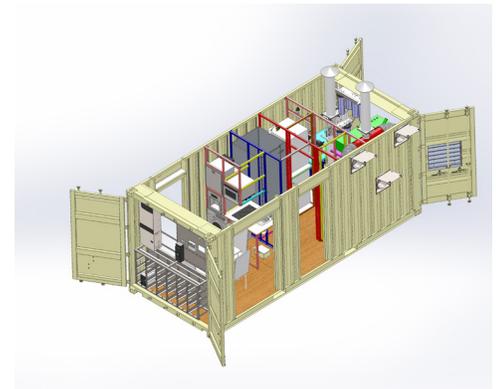
APPROACH:

- Demonstrate prototype system(s) suitable to support 20 personnel
- Concept 1: 3 Tri-Con Modules: 1) Life Support 2) Energy 3) Storage (Billeting Tent)
- Concept 2: 20 foot ISO that integrates with billeting tent



CAPABILITIES:

- Laundry - wash, high speed spin, recycles gray water
- Shower - auto-cycle, recycles gray water
- Latrine - incineration, hot water generation
- Kitchen - stove top, microwave, fridge/freezer, ice maker/cold water, sink
- Water treatment
- ECU - evaporative cooler, fuel fired heater
- Power generation
 - Solar & wind
 - Energy storage
 - Generator backup
 - System/energy monitoring and control



STATUS:

- Completed 1 year of 2
- Downselection to 1 concept
- Improved design and delivery of 1 concept



POINT OF CONTACT:

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REV 10-01-14 | OPSEC U14-395

TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.