

MC3

Mobile Transportable **CLEAN CUBE**^{*}
for Frontline Applications



* **CLEAN CUBE**
US Patent No.: US10,071,177 B1
US10,369,242 B1

Streamlined Development, Delivery & Construction of Complex, Clean Clinical Environments. Delivering a Safer, Smarter Space to Patients and Staff.

Technical Innovation

The MC3 contains many technological innovations aimed at improving patient care and safety. It is an extremely durable, modular, expandable, upgradeable, and fully transportable multi-use environment. Each MC3 Cube includes/provides:

- A continuum of care and environmental conditions during transport while allowing for more efficient connection to outside utilities when needed.
- Technology which allows for automated leveling and connecting in the field for more efficient assembly, modification, and conversion.
- Automated or manual cleaning cycle with NTD-VHP (vaporized hydrogen peroxide) for greater than 6-log decontamination. Hermetically sealing care modules to support disinfection cycle, patient isolation, or to protect military personnel from outside chemical or environmental hazards.
- Streamlined data collection of all physical assets, personnel, and procedures; post-surgical procedure analysis as input to artificial intelligence systems; system interconnectivity.



Mobility/Field Deployment

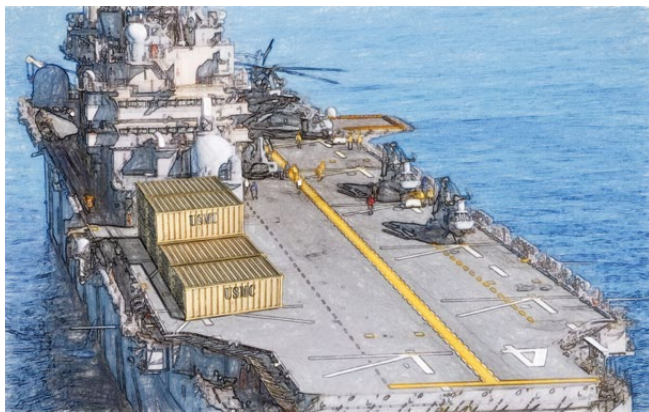
The MC3 Cube can be transported by the modes below as well as intra-theater lift. MC3 can adapt to each land vehicle, ship or air transport vehicle utility source to power the MC3 and recharge the utility backpack.



TRACTOR TRAILER

MC3 can jack lift straight up and load on tractor trailer or other container carrying capable ground vehicles without tilting and significantly disrupting patients and caregivers.

MC3 can deliver quickly via HEMTT, PLS Cargo Trucks, LVS systems and other capable vehicles.



SHIP

MC3 will deliver patients and caregivers directly from land vehicle to ship without ever leaving the controlled environment of the post/op ICU MC3. MC3 can ship or fully function on Cargo, Hospital, TSV-X1 and numerous other military vessels, such as the USNS Mercy and USNS Comfort.



AIRPLANE & HELICOPTER

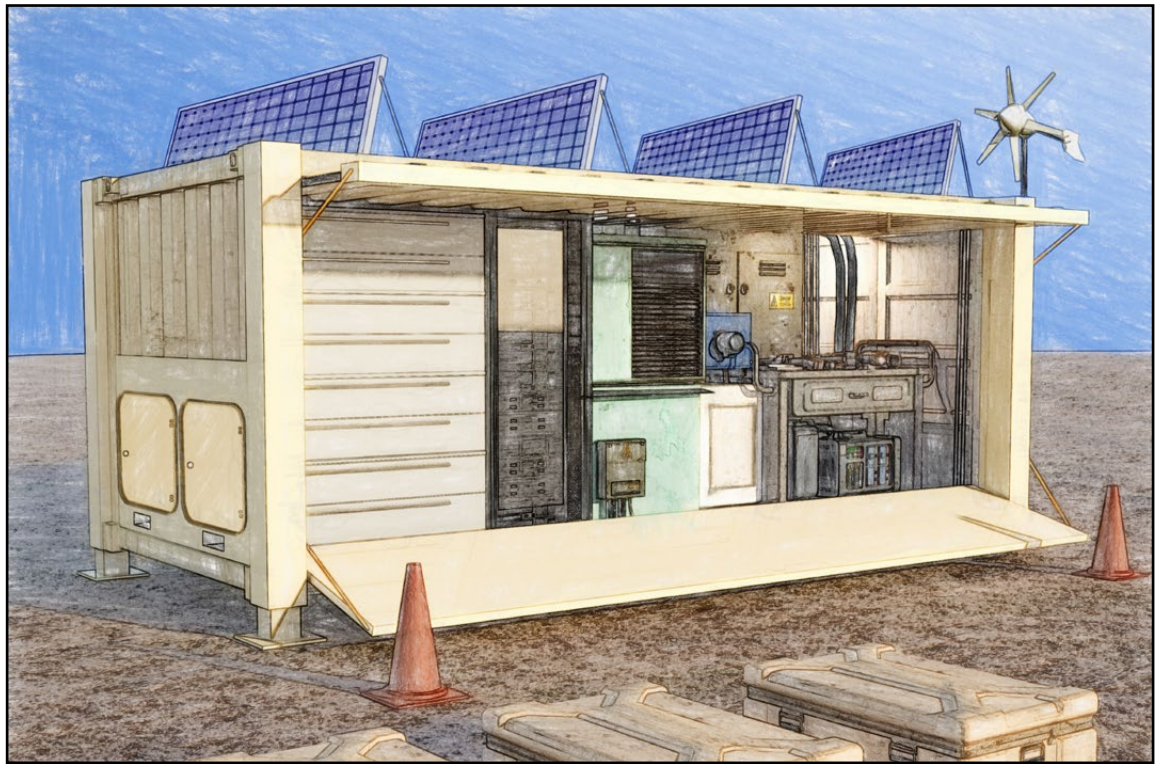
MC3 will deliver patients and caregivers directly from land vehicle or aircraft to aircraft such as C-5/ C-17 and other aircraft without ever leaving the controlled environment of the post/op ICU MC3.

MC3 can deliver quickly and efficiently intra-theater via C-130, or CH-47 Chinook.

Power

Multiple Power Systems

DELIVERING TOTAL POWER INDEPENDENCE



The MC3 Cube or multiple MC3 Cubes can be provided with a stand-alone utility module that can support several clinical modules with all utility needs using sustainable and low decibel/insulated technologies. These technologies may include PV Solar, Wind accessory, heat pump, ECM motors, and Micro turbine. Unlike other potential additives, Clean Cubes will not require any power support from an existing FOB power supply or local infrastructure.

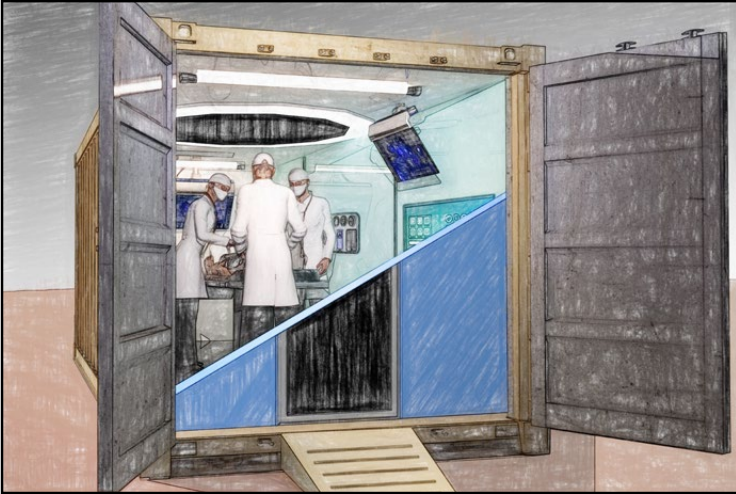
Clean Cubes will be delivered to the customer with its own independent solar and battery power backup. No additional stress on existing local infrastructure. No need for additional fuel, technical support. Environmentally-friendly and “green”. We will work with customers’ technical teams to fully understand, surpass and support tactical deployment requirements with respect to power.



Adaptable Modules

Customizable in almost no time! MC3 Cubes contain a universal internal construction and backbone design and engineering. Each module can be quickly reconfigured into another.

Resuscitation CUBE



MC3 Resuscitation Cube can be configured to accommodate trauma resuscitation/emergency care.

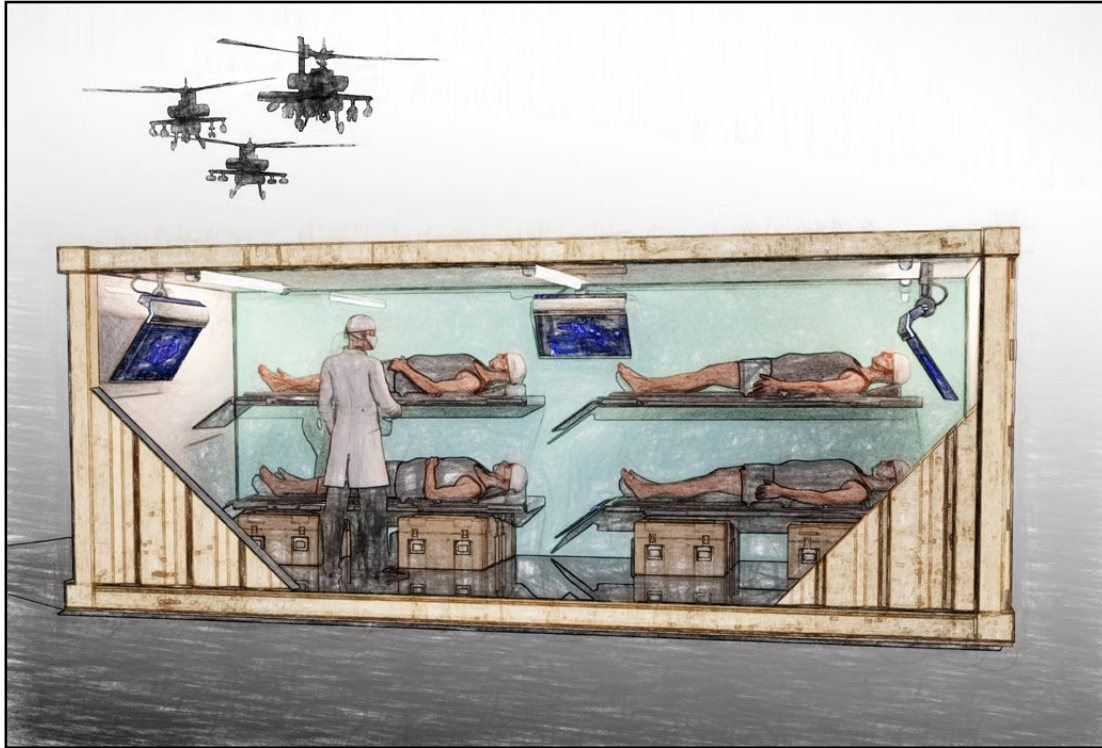
Surgical CUBE



MC3 Surgical Cube can be configured to accommodate surgical procedures to stabilize the patient before being moved into the post op/ICU Cube.

Adaptable Modules (cont.)

Postop/ICU CUBE



MC3 Post-op/ ICU Cube delivers the ability to have the patients and caregivers never have to transport the patient again until transferred to a military or other hospital to finish and close out surgical and clinical procedures. The Post-op/ICU Cube as with other modules is temperature controlled, vibration controlled, and noise controlled giving the patient an increased chance of survival.



MEDICAL SYSTEM

Location and Transport

Field Deployment/Operational Benefits



Benefit to Forward Operating Bases: MC3's in FOBs, patients (US service members, allies, Host Nationals) have much higher chance of survival from serious injury (GSW, IED, etc.), infections (which kill a predominate number of injured) and stabilization prior to exfil to Level I centers such as Landstuhl, WRAMC or BAMC.

Medical Training/Exchanges Exercises: Priceless tool for your Theater Engagement strategies. With the MC3 Cube, you can deploy med teams for HA, MEDEXs and other engagements that build trust, relationships and goodwill for the United States Army with partners around the world. "Army versions of the USS Comfort and USS Mercy".

Benefits to National Guard Units: National Guard units are ideally suited to acquire, train with and maintain MC3 Cube-equipped National Guard units can respond to all manner of Acts of God (storms, earthquakes, hurricanes, etc.) and Acts of Man (terror, CBNRE) LEFT OF THE BOOM. Units such as the Florida National Guard can pre-position MC3 Cube, with trained personnel, prior to oncoming hurricanes and the like -- especially in situations when local operating capabilities have been overwhelmed, destroyed or deprived of power.

GET IN TOUCH

Please contact us for more details or additional information:

CONTACT

info@Synergy-MedSolutions.com

www.Synergy-MedSolutions.com

T: 970-236-6453

Golden, Colorado



The CLEAN CUBE Medical System:
US Patent No.: US10,071,177 B1 and US10,369,242 B1

SMART CUBE & VIRTUAL CUBE:
Patent Pending

Multiple financing options available:

