

FINALIST

MASH

MOBILE ACUTE SERVICES HOSPITAL
53-BT18

SUBMITTED BY:

HDR
SYDNEY, AUS

DESIGN TEAM:

**Ben Belson, Margot Cougul, Mira Ebaif,
Romina Triboli Pisi, Ronald Hicks,
Alan Boswell, Alessandro Filippi**

THE CONCEPT:

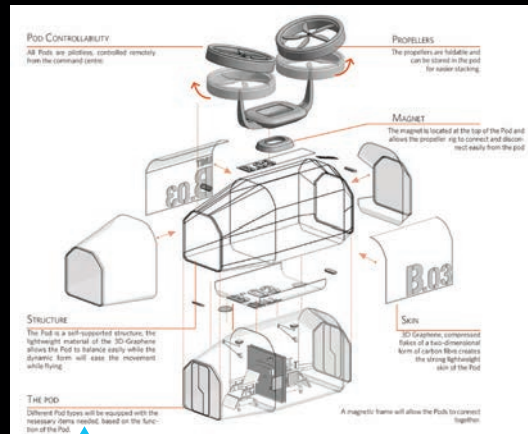
Our proposal seeks to examine the feasibility of designing a rapid response Mobile Acute Services Hospital – a futuristic MASH.

In a world where the incidence of manmade and natural catastrophes such as terrorist attacks, wars and climate change disasters is ever increasing, MASH will provide a scalable and timely response appropriate to each situation. Our focus is on the development of a future healthcare facility capable of responding to these events. It will be capable of providing the broad range of demanding performance parameters and it can be assembled specifically to deal with this broad profile of evolving disaster and trauma events.

MASH provides an independent system that can be assembled anywhere without relying on any existing infrastructure or even a site to establish the required facility. MASH is a pod-based system of pods with propellers that allows them to be assembled above disaster zones, below the cruising altitude of commercial aircraft and at a safe distance from potential danger. Conceptually, the facility will be assembled from a series of modular clinical and support pods, which could be linked together to create an elevated clinical station.



MASH pods are designed to hover above a disaster throughout the duration of the event. Support pods are located under the hospital and provide extra supplies that allows the MASH to work without interruption.



The pod typologies for the health care component will vary from advance clinical procedural spaces, imaging, and diagnostics through to service and support staff infrastructure.



Each pod will utilize advance propeller technology similar to drones, and gyroscopic controls to create a viable functional clinical environment.

The Taxi triage pod plays the important role of tracing and retrieving survivors.



MASH is a Hospital that can be assembled anywhere without relying on any existing infrastructure. The system will be controlled remotely from dedicated control centers.