Mobile Trauma Care Unit

The Mobile Trauma Care Unit (MTCU) is an integral part of DEMA’s Urban Search and Rescue team and Mobile Emergency Hospital capabilities.

The MTCU is a rapid response unit to be deployed with a DEMA Urban Search and Rescue (USAR) team or the Danish Emergency Mobile Hospital (DEMH).

When deployed within a USAR team the MTCU has two primary tasks. These are:

1. Initial trauma care and transport stabilisation of injured USAR team members
2. Stabilisation of victims extricated by the USAR team on site

When deployed with DEMH the MTCU has two primary tasks. These are:

1. Deployment as a mobile team capable of retrieving patients from remote areas
2. Trauma care and transport stabilisation of DEMH crew members during commissioning and de-commissioning of the mobile emergency hospital.

The MTCU is designed to be carried by commercial aircraft, thus enabling flexible and early deployment; i.e. with a reconnaissance team prior to full scale deployment of the DEMH.

The total volume of the MTCU is 4.2 m³ and the weight is approximately 800kg packed in ten aluminium boxes, and two flight cases for the X-ray equipment.

The staff consists of 8 people.

- 2 physicians (anaesthetist and orthopaedic surgeon)
- 2 nurses (anaesthetist and theatre nurse)
- 4 Emergency Medical Technicians (EMT) drawn from the volunteer ranks of the DEMA Volunteer Centre

The MTCU has been deployed to earthquake and tsunami affected areas, and the personnel have deployed independently as Emergency Medical Technicians in de-mining operations.

MTCU FACTS

- Tented surgical facility
- Resuscitation equipment
- Surgical equipment
- Anaesthetics
- 2 oxygen generators
- 2 stretchers/operating tables + 2 spine boards
- 2 sets of trauma packs
- Tented accommodation
- Communications. SATCOM and VHF incl. solar charger
- Generating set
- Ultrasound imaging system
- X-ray digital imaging system
- Transport respirator