A Central Stretcher
Layout diagram
Re-Designing the ambulance

Improving mobile emergency healthcare

Central Stretcher
Workwall view
Re-Designing the ambulance
IMPROVING MOBILE EMERGENCY HEALTHCARE

A Central Stretcher
Near Side view

LARGE WINDOW / SKYLINE
SIDE ACCESS DOOR
PASSENGER DEPLOYABLE SEAT
STRETCHER "SOFT" AREA
PERSONAL ITEMS STORAGE
ADJUSTABLE PARAMEDIC CHAIR
WASHING TAP
RESPONDER BAG ACCESS
Central Stretcher
Interior view
A Central Stretcher
Aerial view
A Central Stretcher

Details

- Carry Chair accessible from the outside and stowed away from the inside.
- Seat rotates to face a deployable worktop surface and hidden screen for administrative work.
- Deployable passenger seat:
  1. Pull down for individual seating
  2. Rotate 90°
  3. Deploy back seat for second passenger
- Deployable washing sink
- Waste bins pivot open to have a more generous access for paramedics but can be easily closed and stowed away.
- Consumables wall displaying all needed objects facilitating restocking.
- Stretcher area has individual suspension system for a more comfortable ride.
- Overhead storage and monitoring unit.
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90° Stretcher
Layout diagram

CRITICAL CARE ACTION AREA
PATIENT AREA
PASSENGER AREA
OUTSIDE ACCESS STORAGE
ACCESS / EGRESS
COMMUNICATIONS AREA
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90° Stretcher Near Side View

- Overhead Storage
- Variable Light
- Transmission Window
- Deployable Seats
- Side Access Door
- Washing Facilities
- Paramedic Adjustable Seat
- Responder Bag Access
- Carry Chair Storage
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90° Stretcher
Interior view
Re-Designing the ambulance
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B 90° Stretcher
Aerial view
MOVABLE OVERHEAD MONITORING SYSTEM WITH DIRECTIONAL LIGHT, OXYGEN AND SUCTION OUTLETS

OVERHEAD CABINETS ARE DEPLOYED TO REVEAL ORGANISED TREATMENT PACKS, EASY TO CONTROL AND RESTOCK LEVELS

COMMUNICATIONS CENTRAL WITH DEPLOYABLE WORK TOP SURFACE

MOVABLE TRAY CONTAINING FREQUENTLY USED ITEMS SUCH AS SHARPS BIN, GLOVES, TISSUES, WIPES, ETC

3 DEPLOYABLE PASSENGER SEATS

INTEGRATED WASHING SINK

SUCTION UNIT CAN BE HIDDEN AND ONLY REVEALED WHEN NEEDED

FLEXIBLE STRETCHER POSITION ALLOWS TO MOVE PATIENT ACCORDING TO NEEDS

B 90˚ Stretcher Details

Re-Designing the ambulance
IMPROVING MOBILE EMERGENCY HEALTHCARE
Re-Designing the ambulance
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Cross Paramedic Position
Layout diagram

CRITICAL CARE ACTION AREA
PATIENT AREA
ACCESS / EGRESS
COMMUNICATIONS AREA
OUTSIDE ACCESS STORAGE
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Cross Paramedic Position
Workwall view
Re-Designing the ambulance
Improving mobile emergency healthcare

Cross Paramedic Position
Near Side view
C Cross Paramedic Position
Aerial view
Cross Paramedic Position

Details

- Cross Chair Position allows for treatment from 360˚ while seated
- Handrails along all the ambulance
- Easy access for treatment packs. The wall can also be rearranged to deal with different needs
- Consumable drawers and laydown surface
- Deployable workstation surface
- Critical procedure items such as resuscitation drugs organised in drawer in reach of main paramedic

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Re-Designing the ambulance
Improving mobile emergency healthcare

Full Cab
Layout diagram

- Critical Care Action Area
- Outside Access Storage
- Patient Area
- Access / Egress
- Passenger Area
- Communications Area
Re-Designing the ambulance
Improving mobile emergency healthcare

Full Cab
Near Side view
Re-Designing the ambulance

Improving mobile emergency healthcare

Full Cab
Workwall view

- Overhead monitor and O2 / suction
- Lockable storage
- Washing facilities
- Paramedic seat
- Responder bag storage
- Rubbish / sharps bins
- Window / skyline
- Treatment packs
- Passenger seat
- Large item storage
- Stretcher area
Re-Designing the ambulance

Improving mobile emergency healthcare
Re-Designing the ambulance
Improving mobile emergency healthcare

D Full Cab
Aerial view
Main paramedic seat slides on a rail to be used in front of the cab or in the rear treatment space.

Front cab used as workstation for paper work.

Passenger seats rotate and flip up to allow for more agile movement inside the treatment space.

Deployable laydown surface.

Reconfigurable treatment pack area.

Repositionable diagnostics monitor screen and overhead lights, oxygen and suction outlets.

Overhead storage for personal items and hot infusion bags.

Carrychair storage space inside door cabinet.

Full Cab
Details

Re-Designing the ambulance
Improving mobile emergency healthcare
CONSUMABLES STORAGE AND DISPLAY AREA
PASSENGER SEATS
DEPLOYABLE WORKSTATION UNIT
ADJUSTABLE PARAMEDIC CHAIR
AIRWAY/RESUS CABINET
SECURE STORAGE AREA
TROLLEY “SOFT” AREA
OVERHEAD STORAGE
MONITOR SYSTEM
CONSUMABLES STORAGE AND DISPLAY AREA
PA**
SENGER SEATS
REAR DOOR
TROLLEY “SOFT” AREA

Re-Designing the ambulance
Improving mobile emergency healthcare
Side Loading
Workwall view
Re-Designing the ambulance
Improving mobile emergency healthcare

Side Loading
Interior view
Re-Designing the ambulance
Improving mobile emergency healthcare

E Side Loading
Aerial view
Re-Designing
the ambulance
Improving mobile emergency healthcare

F Side Load/Full Cab
Layout diagram
Re-Designing the ambulance

Improving mobile emergency healthcare

Side Load/Full Cab
Workwall view

- SKYLINE
- CONSUMABLE STORAGE CABINETS
- VARIABLE LIGHT TRANSMISSION WINDOW
- LARGE SPLINTS
- TREATMENT PACKS
- CARRY CHAIR STORAGE (accessible from outside)
- SHEETS / BLANKETS
- OVERHEAD MONITOR AND O2 / SUCTION
- PERSONAL ITEM STORAGE
- WASHING FACILITIES
- PARAMEDIC SEAT
- RESPONDER BAG RACK
- TROLLEY SUSPENSION AREA
Re-Designing the ambulance

Improving mobile emergency healthcare

Side Load/Full Cab
Near Side view

OVERHEAD STORAGE
PERSONAL KIT STORAGE
WORKSTATION
RESPONDER BAG ACCESS
PARAMEDIC ADJUSTABLE SEAT
SIDE LOADING DOOR
REAR ACCESS DOOR
PASSENGER JUMP SEATS
Side Load/Full Cab
Interior view
Side Load/Full Cab
Aerial view
Re-Designing the ambulance
Improving mobile emergency healthcare

F Side Load/Full Cab
Details

- MAIN PARAMEDIC SEAT ROTATES FOR MULTIPLE TASKS (WORKSTATION, TREATMENT AND TRAVEL)
- OVERHEAD STORAGE AREA OF LESS FREQUENT USE ITEMS SUCH AS PERSONAL PROTECTION GEAR
- COMMUNICATIONS CENTRAL WITH DEPLOYABLE WORK TOP SURFACE
- TREATMENT PACK ARRANGEMENT COLOR COALED FOR EASY ACCESS AND ARRANGED IN FREQUENCY OF USE HIERARCHY
- RESPONDER BAG STORAGE IN FRONT CAB. ACCESSIBLE FROM INSIDE TREATMENT SPACE AS WELL AS FROM OUTSIDE
- EXTRA PARAMEDIC SEAT FACING TROLEY ALLOWS FOR LESS CRITICAL PATIENT MONITORING
- PASSENGER JUMP SEATS DEPLOY ONLY WHEN NEEDED
- SIDE TROLLEY LOADING AND ACCESS