

Saving one – protecting everyone

EPI GUARD | Medical isolation and transportation systems



EpiShuttle®

Treatment without compromise

As the most advanced and reliable transportation isolator on the market, EpiShuttle is trusted by several militaries globally as a tool against CBRN events. Military customers see EpiShuttle as a key element to guarantee the protection of personnel from warfare agents and build up their preparedness system.

CBRN PROTECTION
CRITICAL CARE DURING TRANSPORT
ROBUST
CERTIFIED



This project has received funding from the European Union's Horizon 2020 Research and Innovation programme under Grant Agreement No 848951.



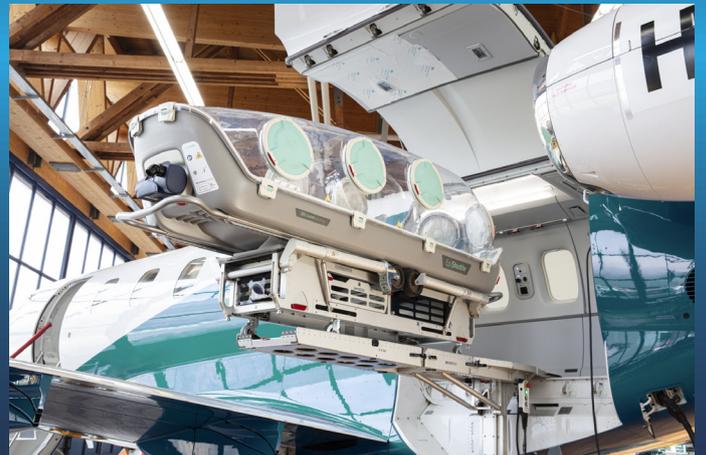
The EpiShuttle is stock listed with NATO Stock Number: NSN 6530-25-162-4642

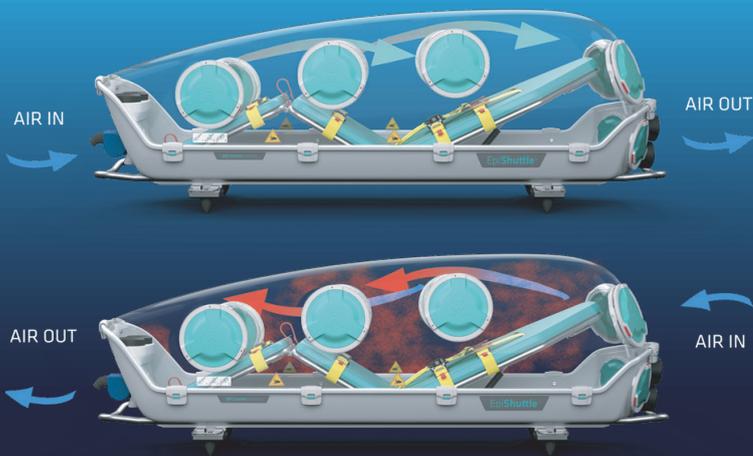


MILITARY APPLICATIONS

In military applications, the EpiShuttle can be used to carry infectious or wounded soldiers from field hospitals to care facilities or take soldiers or civilians through contaminated or hazardous areas. In situations involving chemical, biological, radiological or nuclear (CBRN) materials, the EpiShuttle is ideal for transporting burn victims or anyone who needs to be protected from such hazardous environments. It is particularly well-suited for highly infectious and contaminated patients who have been exposed to CBRN agents.

Finally, on cruise ships, the EpiShuttle is perfect for isolating passengers with highly infectious diseases without any risk of cross-contamination. For maximum convenience and safety, there is also no need to disinfect ship hallways, lifts and any other communal areas.





DUAL PROTECTION FEATURE

One novel feature of the EpiShuttle is that it has an air ventilation system capable of being configured in either **negative pressure mode** (to protect the surroundings from an infectious patient) or in **positive pressure mode** (to protect the patient from the surroundings). The system generates over 15 air exchanges an hour to achieve maximum levels of patient comfort and safety.

MONITORING AND TREATMENT

Another key feature of the EpiShuttle is that it was designed to allow monitoring and advanced treatment to be performed during transport, including emergency procedures like intubation or intravenous (IV) and oxygen line insertion.



OPERATIONAL EFFICIENCY

Because the device provides a completely sealed transparent barrier between the patient and the healthcare professional, preventing any cross-infection, there is no need to disinfect transport vehicles after use, saving considerable amounts of time and money. Thanks to validated disinfection procedures, the EpiShuttle can be disinfected and back in service for another patient in under two hours.



Patient Safety and Care



Safety of Health Care Professional



Cost and Operational Efficiency

Dual Protection

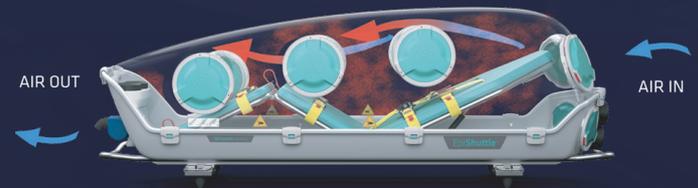
The air ventilation system generates more than 15 air exchanges per hour to ensure maximum patient safety. Filters and airtight seals ensure that all possible infectious or CBRN agents are kept inside the EpiShuttle, even in the event of rapid decompression of an airplane cabin.

POSITIVE PRESSURE



for vulnerable and immunocompromised patients, burn victims or healthy citizens who need protection from hazardous environments.

NEGATIVE PRESSURE



for highly infectious patients and contaminated individuals exposed to CBRN agents. To protect the first responders and healthcare professionals.



Medical Ports

VENTILATOR PORT

The ventilator sleeve allows entry of a mechanical ventilator hose with a HEPA filter. This design allows the mechanical ventilator to be kept on the outside of the EpiShuttle.

WIREPORT

The wireport membrane is made of a highly flexible material, allowing sealed passage of up to nine IV lines, monitoring cables, and/or oxygen lines.



Operator Ports

SLUICE BAG

A sluice bag can be used to transfer equipment, food or medicine to the patient.

GLOVE PORT

The ambidextrous gloves are made from flame-resistant CSM/Hypalon, compliant with European regulation 2016/ 425, PPE Category 3, and tested according to EN 374-1, EN 374-5, and EN 388.

