

AMS
Heli Design



AW109 TREKKER/SP

Advanced Life Support System

EMS INTERIORS - Overview



Advanced Life Support System (ALSS)

- Lightest EMS interior
- Flexible configuration
- State of art materials
- Articulating stretcher
- Innovative design
- Easy handling for paramedics
- Improved helicopter's performances & capabilities

Fully compliant with EN13718-2:2015+ A1:2020

(Medical vehicles and their equipment. Air Ambulance)

Interior Equipment

- Crashworthy FWD AFT facing seat with swiveling option
Crashworthy fixed AFT FWD facing seats (Qty 2)
- Main base including bag space with a restraint system
- Litter receiver with turret
- Primary stretcher with hydraulically activated patient backrest at 45°
- Electrical system to include up to:
 - ✧ Up to 6 DC outlets (2 28VDC 4 12VDC)
 - ✧ 4 AC outlets
 - ✧ 4 USB outlets
 - ✧ Inverter (2000W)
 - ✧ Converter
- Oxygen system to include:
 - ✧ 2 oxygen outlets in cabin
 - ✧ 1 oxygen read out gauge in cabin
 - ✧ Mount to install two portable 2,000L oxygen cylinders in cabin or 3500L oxygen in baggage compartment
- NVG lights – NVG compatible cabin
- Headsets plug-in
- Ventilation outlets
- Equipment rails on ceiling, back wall, side wall and, as option, front left-hand pillar and over LH/RH door rails installation

Option Equipment

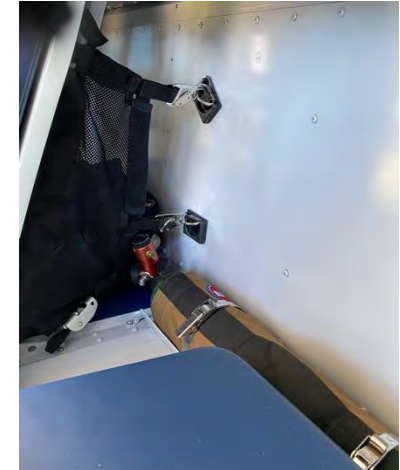
- Autoflug FLYWEIGHT® FLEX seat rotating and sliding (from 3Q25).
- External Power Shoreline.
- Medical Air Pump. New generation pump capable of delivering up to 40LPM at 50psi
- Locked Drawer in lieu of storage space with/wo IV Warmer option
- Sliding locked storage box (24L capacity)
- Medical Rack to host medical devices and/or IV pumps
- Medical Mounts. Designed according to customer needs and device model.
- Storage soft pouches
- Cabin cargo storage space (behind AFT FWD facing seat)
- Neonatal Incubator Deck
- Retainers for portable oxygen bottles (one “B”, one “D”, one “E” type) and portable fire extinguisher
- Other customizations as required.

Interior Details: Articulating Stretcher



- Effortless Patient Loading/Unloading
- Enhanced Patient Comfort
- Child transportation belts

Interior Details: Oxygen System

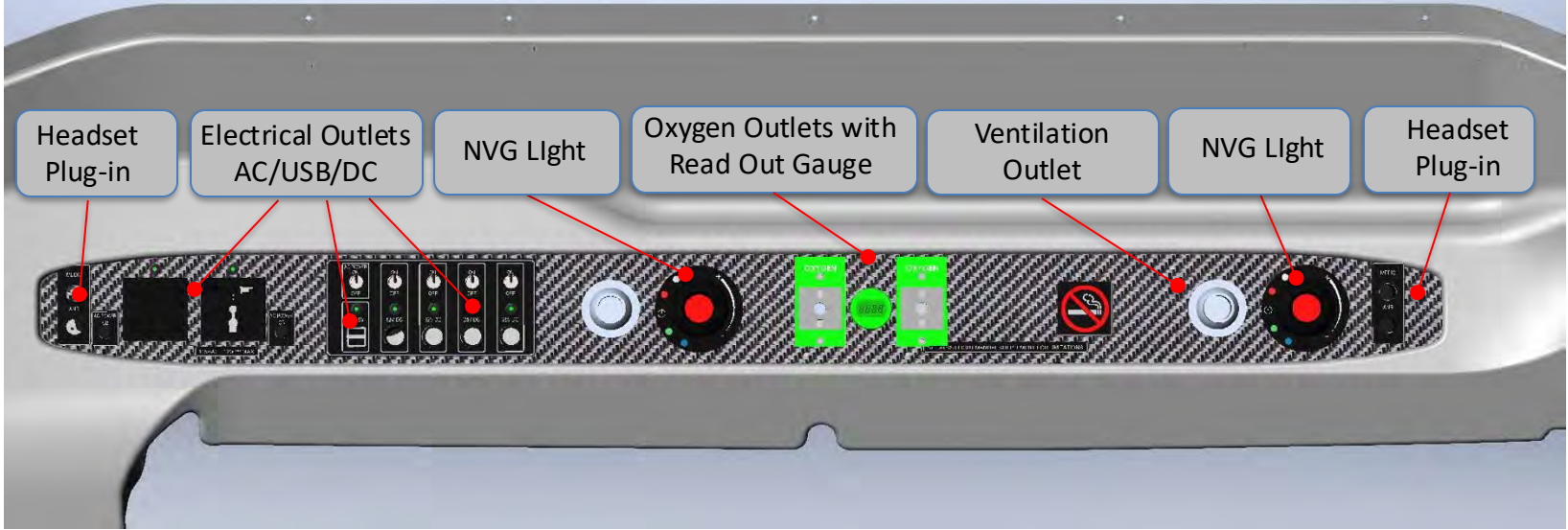


- Provision for two 1000Lt oxygen cylinders or 3500L cylinder in baggage cpt
- 2 Oxygen Gauges
- Delivery pressure read-out gauge
- Option for Type “E”, “D” and/or “B” cylinders installation

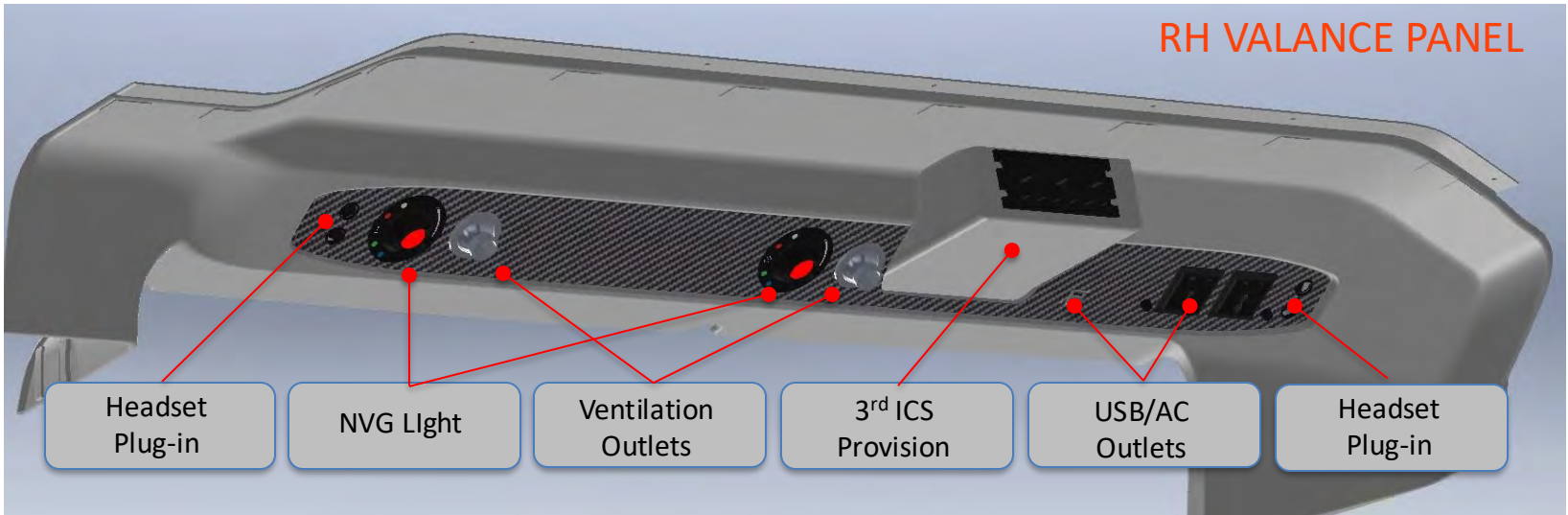


STC STANDARD UPPER PANELS

LH VALANCE PANEL

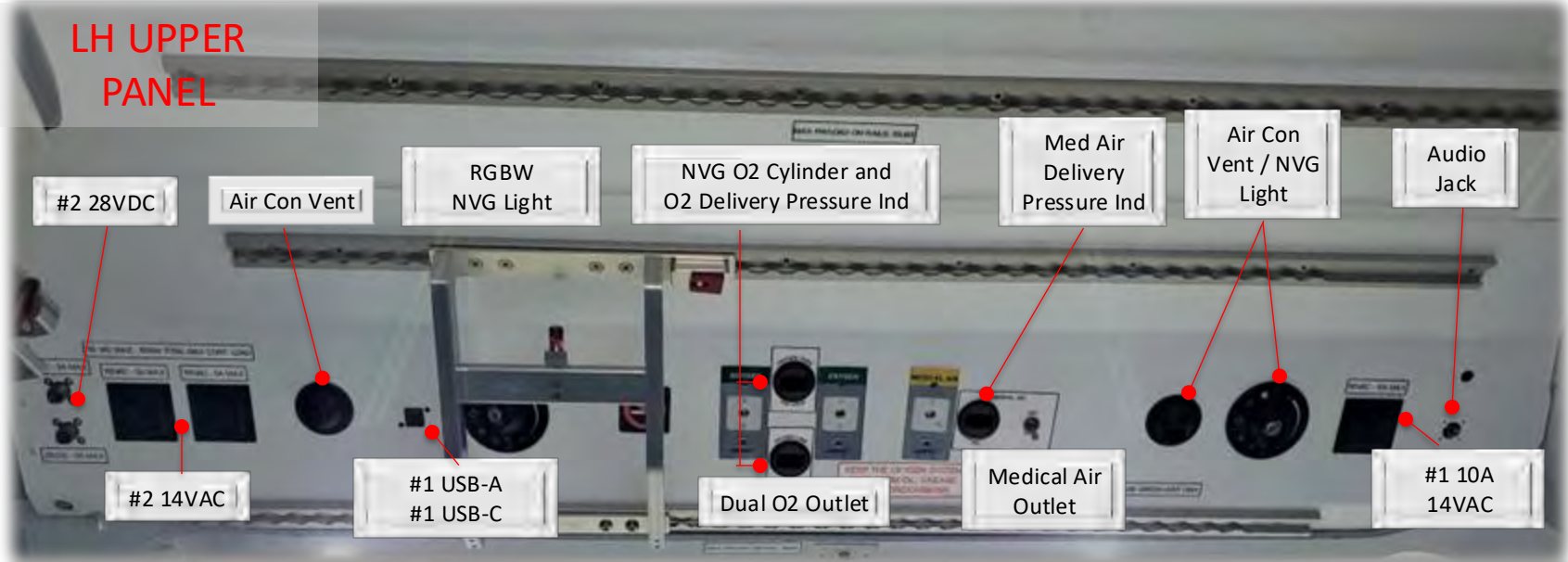


RH VALANCE PANEL

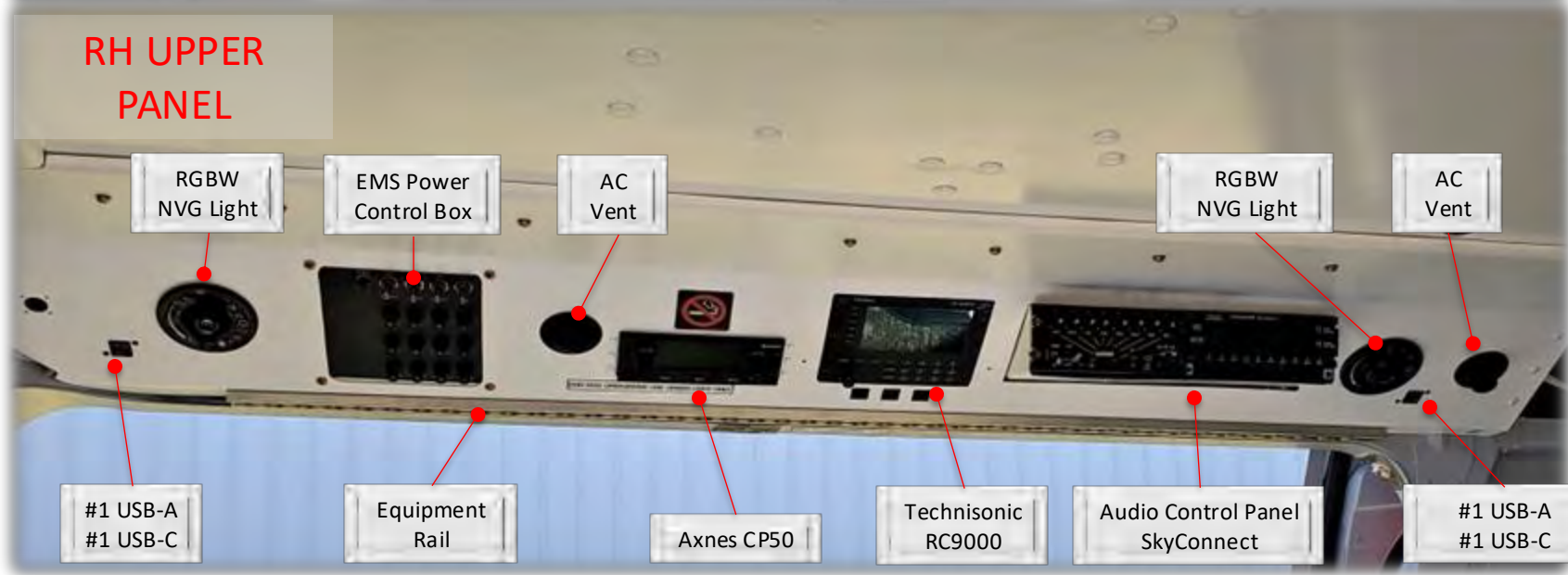


CUSTOMIZABLE UPPER PANELS

LH UPPER PANEL



RH UPPER PANEL



Various Interior Configuration Options



Ventilator

Monitor on ceiling inserts

Back Wall Rails available
for other equipment

Portable Suction

IV Warmer

Various Interior Configuration Options



Monitor

Ventilator

Medical rack with 3 IV pumps and LSU



Various Interior Configuration Options



Ventilator

Monitor on back wall rails

IV Pumps

Portable Suction

Various Interior Configuration Options



**NEONATAL
TRANSPORT**

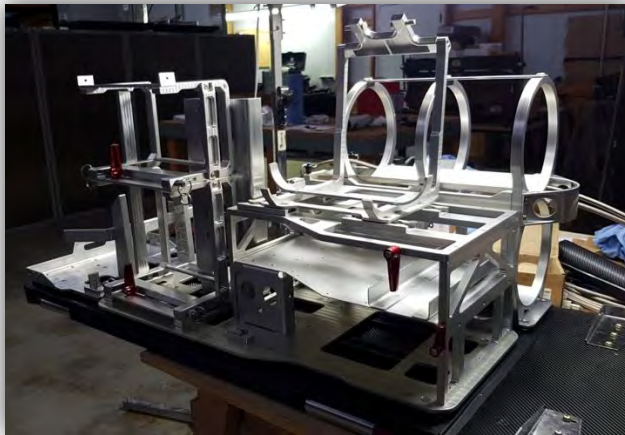


Medical Equipment Mounts

AMS has acquired a significant experience on design, engineer and certification of medical equipment mounts. Our catalogue includes numerous equipment mounts and a medical rack and all of them have been EASA and/or FAA certified.

Some devices at a glance: Hamilton T1, Lifepack LP15 and LP20e, Monnal T60, BBraun infusion pumps, Accuvac Suction pump, Agilia Infusion pumps, LCSU suction, Oxylog 3000 and Ve300, Oxygen cylinders, Techoterm, Aeronox, Sentec.

Mounts have been installed on all Leonardo and Airbus models.





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