



We provide  
expertise and care





European Air Ambulance (EAA) is one of the largest specialised air ambulance service providers in Europe offering worldwide air ambulance repatriation with outstanding end-to-end patient care.

EAA founders DRF Luftrettung and Ducair - Luxembourg Air Ambulance have a combined record of over 45 successful years of experience in air ambulance services.

Both together operate more than 50 helicopters and 8 air ambulance aircraft and have performed over 650.000 missions.

EAA provides its services 24/7/365 throughout the world.

### Mission

Our mission is to save human lives and to maintain the health of patients by offering a global 24-hour, non-stop air ambulance service worldwide that applies the highest standards of safety and quality.

### Vision

Our vision is to be the sector leader by constantly providing state-of-the-art air medical services to our clients and patients.

### Our values - What we believe in

#### **Patients, Partners, Customers**

«Patients are the base of our “raison d’être”»

By focussing on the needs and requirements of our patients, partners and customers, we fulfil our mission and generate additional values for all.

#### **Leadership**

«Passion to lead»

By setting clear objectives we create new value.

#### **Professionalism**

«Always professional»

Even in most complicated and dangerous situations we act with highest competence.

#### **Trust**

«Dare to share»

By growing in trust we make progress. We trust and respect each others’s role.

#### **Team spirit**

«One mind, one heart»

By working together we draw on our strengths. We work all for one and one for all to succeed.



Together, DRF Luftrettung and Luxembourg Air Ambulance gather medical repatriation experience from over 150 countries worldwide, giving EAA one of the broadest expertise in the air ambulance industry. EAA can also rely on a dense network of international co-operation agreements, which ensures speedy and smooth execution of intensive care transports with bed-to-bed service.

By combining the strengths of DRF Luftrettung and Luxembourg Air Ambulance, European Air Ambulance also improves customer service by providing a single point of contact. Specialised, multilingual staff at the Sales & Mission Control Centre can handle everything from quote to invoice via the safe delivery of the patient to the destination hospital.

EAA coordinates a fleet of 8 air ambulance aircraft, 6 LearJet 35A and 2 LearJet 45XR, all fitted with state-of-the-art medical equipment and supplies to ensure the best possible patient care in the air. These aircraft are based in Luxembourg (ELLX) and Karlsruhe/Baden-Baden (EDSB). All EAA missions are staffed by an experienced intensive care medical team consisting of at least 1 physician and 1 flight nurse or paramedic. EAA can choose the physician from a large pool of anaesthetists, neonatologists, paediatricians, gynaecologists, obstetricians or other specialists, depending on the patient's medical condition.

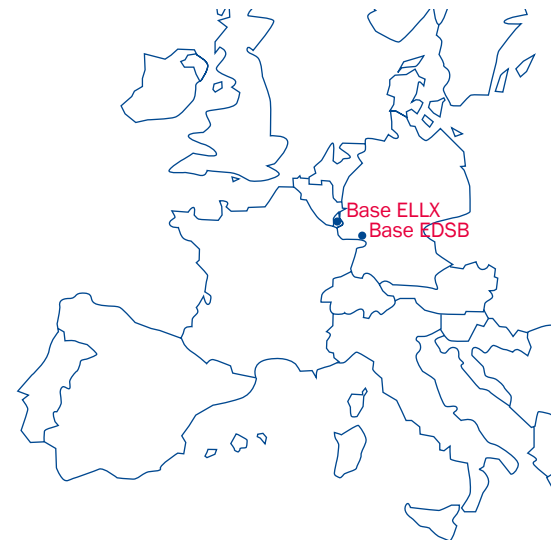
Quote requests submitted to EAA are answered with minimum notice. After the confirmation has been received, the mission preparation starts immediately - day or night - ensuring a fast and safe repatriation of the patient.

EAA contact for quotes 24 hours/365 days a year

Sales & Mission Control Centre

[alert@air-ambulance.com](mailto:alert@air-ambulance.com) · [www.air-ambulance.com](http://www.air-ambulance.com)

Tel: +49 711 7007 7007 · Fax: +49 711 7007 7009





### **Air Ambulance Repatriation**

Air ambulance repatriation including 1 physician and 1 flight nurse or paramedic, medical pre-flight clearance with physician-to-physician consultation, bed-to-bed transfer of the patient, organisation of ground ambulance transportation at both ends of the flight and a full post-mission medical report from the treating physician.

### **Double Stretcher**

Full double stretcher air ambulance aircraft capable of transporting two intensive care patients simultaneously.

### **Neonatal/Incubator Transport**

Repatriation or medical transfer of a newborn baby to a specialised unit using an incubator. Neonatal missions always include a neonatologist as well as a specialised intensive care paediatric flight nurse or paramedic trained in Advanced Paediatric Life Support.

### **Stretcher or Medical Escort on Scheduled Airline**

Organisation of medical repatriation of your patient, either on a stretcher or as sitting patient in a specified service class, escorted by a physician, a nurse or paramedic, or both if required. Ground transportation to and from the airport, accompanied by the medical escort, can also be arranged.

### **Medical Clearance**

A pre-flight medical clearance with a physician-to-physician consultation is included in all air ambulance flights. However, it is also possible to request this service on a separate basis if you wish to get a clear understanding of your patient's medical status and treatment by the foreign hospital.

### **Organ Transplant Logistics**

Picking up your medical team with an appropriate aircraft from your hospital, flying them to the hospital where the organ awaits collection and back to the receiving hospital. Our insurance also covers your medical teams while on board.

### **Rescue Helicopters**

Using the extensive fleet of DRF Luftrettung and Luxembourg Air Ambulance in Germany, Luxembourg, Austria and Italy, EAA can organise medical transfers with fully equipped rescue helicopters.

### **Humanitarian Missions**

The founding members of EAA have a large experience in participating in humanitarian missions throughout the world in close co-operation with its respective governments, the NATO and the United Nations.



For several years, neonatology transport has been one of the specialities of European Air Ambulance members DRF Luftrettung and Luxembourg Air Ambulance. With state-of-the-art equipment (incubator and intensive care ventilator) at the disposal, EAA's neonatal missions always include a neonatologist as well as a specialised intensive care paediatric flight nurse or paramedic who has been trained in Advanced Paediatric Life Support.

Three incubators and one BabyPod, permanent equipment of EAA members, DRF Luftrettung and Luxembourg Air Ambulance, are used on the EAA missions:

- 2 Dräger Incubator 5400® equipped with a Babylog 2000® ventilator.
- 1 MediPrema N.I.T.E.® equipped with a Mobile Stephan R120® mobile ventilator.
- 1 BabyPod II containing a patient-positioning vacuum mattress, stretcher fixing straps to secure the device for transport and safety straps to secure the infant inside the device during transport.

These units complement other monitoring equipment and accessories specially adapted for young patients.



# Medical Equipment

## Ventilator



### **Dräger Oxylog 3000®**

A time-cycled, volume-constant and pressure-controlled emergency and intensive transport ventilator. Ventilation modes CMV, CMVassist, SIMV, SIMV/PS, PCV+, PCV+/PS, CPAP, CPAP/PS Special modes: NIV (Noninvasive

(mask)-ventilation with leakage compensation), Apnea Ventilation (For switching over automatically to volume-controlled mandatory ventilation, if breathing stops) CPR-mode: Pressure-limited, nonconstant-volume ventilation during inspiration time when Pmax is reached.



### **Intensive Care Ventilator BREAS LTV 1200® (Pulmonetic Systems)**

Volume and pressure controlled, Synchronized Intermittend Mandatory Ventilation, Continuous Positive Airway Pressure Ventilation, Apnoea-Ventilation as a safety feature, Non-Invasive Positive Pressure Ventilation, Variable Oxygen from 21% - 100%.

## Spare Ventilator



### **Dräger Oxylog 2000®**

Emergency and intensive transport ventilator. Ventilation modes CMV, CMVassist, SIMV, CPAP, CPR-mode.

### **Weinmann Medumat Standard A®**

Automatic Ventilator for controlled and assisted ventilation which is always with the crew as an emergency backpack.



## Blood Gas Analyser



### **Abbott i-STAT®**

Hand-held blood gas analyzer for rapid inflight triage and treatment decisions or monitoring a patient's treatment response (Sodium (Na), Potassium (K), Hematocrit (Hct), Hemoglobin (Hgb), pH, PCO<sub>2</sub>, PO<sub>2</sub>, TCO<sub>2</sub>, HCO<sub>3</sub>, BE<sub>ecf</sub>, sO<sub>2</sub>).

## Monitor/Defibrillator



### Corpuls3®

Modular, compact, defibrillator/monitoring devices with monitor, defibrillator/pacer and patient box (including all measuring modules (ECG, SpO<sub>2</sub>, CO<sub>2</sub>, NIBP, IBP and Temperature), data exchange by Fast-IrDa or by a unique,

wireless, network-technology with module disconnection operating without any data or quality loss.



### ZOLL CCT®

Portable ICU Transport Monitor/Defibrillator, ECG Monitoring (4-Lead), 12 Lead ECG, Non Invasive Blood Pressure, Invasive Pressure Monitoring (2 Plugs), Saturation, Capnometry/-graphy, Temperature (2 Plugs).

## Spare Monitoring



### Transport Monitor PRO-PAQ CS 246®

ECG Monitoring (4-Lead); Non Invasive Blood Pressure, Invasive Pressure Monitoring, Saturation Capnometry/-graphy, Temperature (2 Plugs).



### Propaq encore 206®

ICU-Transport-Monitoring with ECG (3Lead), NIBP, Oxygen-Saturation, Invasive Pressure Monitoring, Capnometry/-graphy, Temperatur Control (2-Lead).

# Medical Equipment

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## Spare Defibrillator



### **Schiller FRED® defibrillator**

Multipulse Biowave® (biphasic pulsed defibrillation impulse, patented) defibrillator with manual mode, ecg-display and SpO2.



### **PHILLIPS Heartstart FR2®**

Automated external defibrillator. SMART® Biphasic waveform.

## Infusion System



### **BBraun® Perfusor Compact**

Modular infusion system with Automatic rate calculation, Dose rate mode with the desired dose rate, integrated piston brake and automatic drive technology.



### **BBraun® Perfusor Space**

Modular infusion system with Automatic rate calculation, Dose rate mode with the desired dose rate, Drug Library, integrated piston brake and automatic drive technology.

## Suction Unit



### **Weinmann ACCUVAC Rescue®**

Offers pre-selected suction levels that can be set with the push of a button.

## Ultrasound Scanner



### **Primedix® Handyscan**

Ultrasound scanner for mobile use in and outside the aircraft with 5-inch TFT LCD, 256 grey shades, Memory up to 160 images, 2-kg weight.

## Transport Incubator



### **Incubator MediPrema N.I.T.E.® “Neonatal International Transport Equipment”**

Mainly designed for neonatal reanimation units, for use in all forms of transport

(short and long distance) of newborn infants. Equipped with the ISIS system “Intelligence System for Incubator Surveillance”, it allows the medical team to treat newborn infants in ideal conditions of safety and comfort. The N.I.T.E.® adapts to all electrical power supplies throughout the world (110 to 240V AC and 12 to 36V DC).

## BabyPod II



**BabyPod II** consists of a lightweight carbon fiber outer shell, which is lined with a shock absorbent foam inner layer, and has a transparent lid for viewing the baby. BabyPod II contains a patient-positioning

vacuum mattress, stretcher fixing straps to secure the device for transport and safety straps to secure the infant inside the device during transport.

## Crew/Staff

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EAA missions are always crewed with a specialised medical team of at least 1 physician and 1 flight nurse or paramedic. Other specialised medical crew can be called upon, depending on the patient's medical requirements.



### **Medical staff on EAA missions must fulfil the following requirements:**

#### Physician:

Specialist status in anaesthesiology, internal medicine or general/trauma surgery or emergency medicine.  
At least one year of full-time intensive care experience and practice in an ICU.  
Continuous medical education.  
Multilingual skills, English and German or French are mandatory.

#### Flight Nurse or Paramedic:

Minimum 4 years experience as a registered nurse working in intensive care and/or anaesthesia and/or emergency room and/or paramedic with minimum 5 years of pre-hospital and emergency medical work experience and intensive care transport education.  
Continuous medical education.  
Multilingual skills, English and German or French are mandatory.



### **Continuous medical education:**

All staff are continuously trained for the special medical requirements of air ambulance transports. This means post-graduate professional education in:

- Flight Physiology
- Advanced Cardiac Life Support
- Advanced Paediatric Life Support
- Trauma Life Support
- Critical Care Medicine
- Critical Care Transport Medicine
- Crew Member Training
- Infectious diseases and hygiene
- Travel medicine

We offer regular, full-scale-simulator-based CRM-training (Crew Resource Management) for all medical crew members. We also offer fellowships with hospitals and ground ambulance operators.



EAA has close co-operations with well-known hospitals and institutions specialised in cases of infectious/tropical diseases, paediatrics and organ assist system transports.

### **Multilingual skills:**

Many crew members speak several languages, including English, French, German, Spanish, Italian, Portuguese, Greek, Dutch or Luxembourgish.

English and German or French are mandatory.

### **Special cases:**

Depending on the age or medical condition of the patient, other specialists like paediatricians, neonatologists, gynaecologists, obstetricians, surgeons, are available if required.





مطار طنجة  
ابن بطوطة

LX-EAA

AMBULANCE

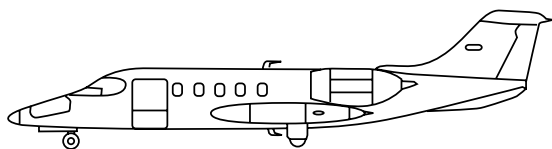
Eight air ambulance aircraft belonging to DRF Luftrettung and Luxembourg Air Ambulance are under the exclusive coordination of European Air Ambulance.

All aircraft are fitted with state-of-the-art medical equipment and necessary medication to ensure outstanding patient care. They can be considered as flying intensive care units ready to take off at any moment, day or night, for medical repatriation worldwide.

## 6 LearJet 35A:



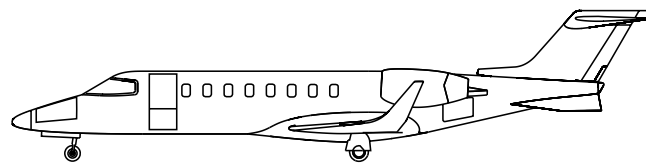
Manufacturer:	Bombardier, Wichita, USA
Speed:	850 km/h
Altitude:	45.000 feet
Range:	2.000 NM
Minimum runway length required:	5.000 feet
Dimensions:	
Length:	14,80 m
Height:	3,73 m
Wingspan:	12,03 m
Crew:	2 Pilots, Physician, Flight Nurse or Paramedic



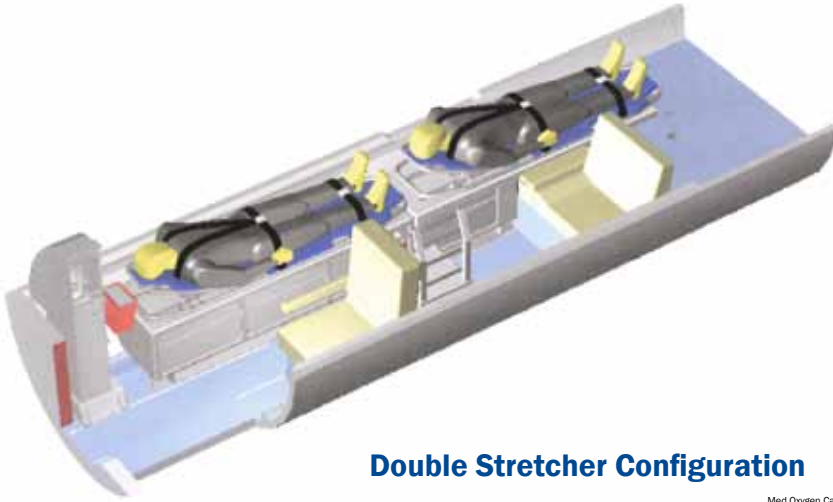
## 2 LearJet 45XR:



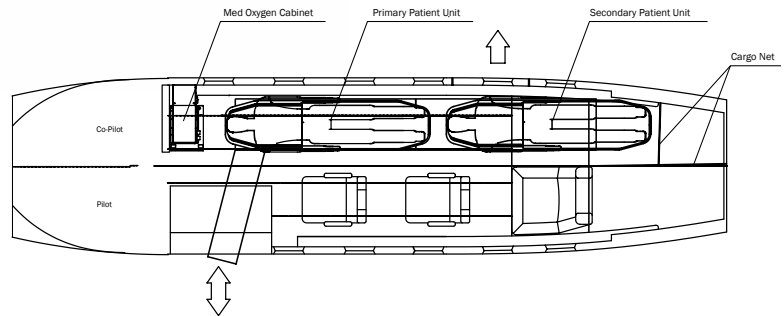
Manufacturer:	Bombardier, Wichita, USA
Speed:	860 km/h
Altitude:	51.000 feet
Range:	2.100 NM
Minimum runway length required:	4.000 feet
Dimensions:	
Length:	17,56 m
Height:	4,31 m
Wingspan:	14,56 m
Crew:	2 Pilots, Physician, Flight Nurse or Paramedic



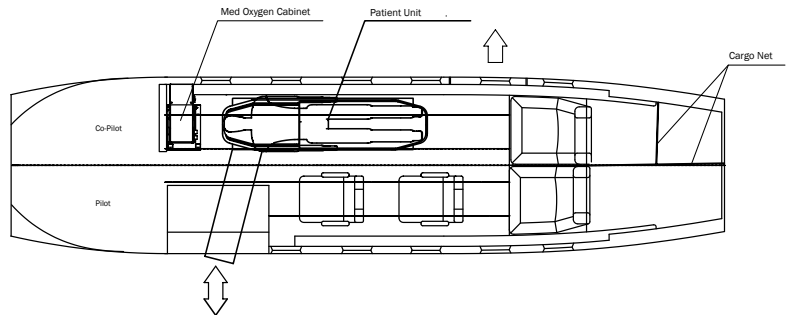




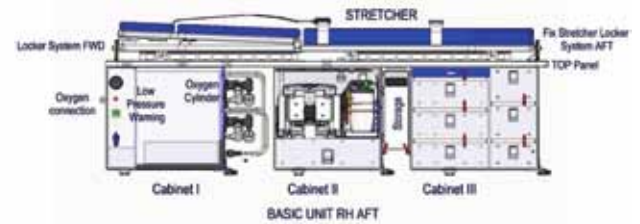
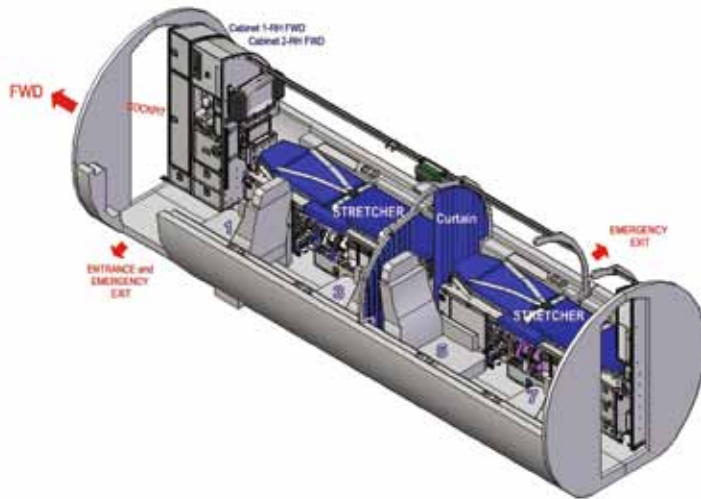
## Double Stretcher Configuration



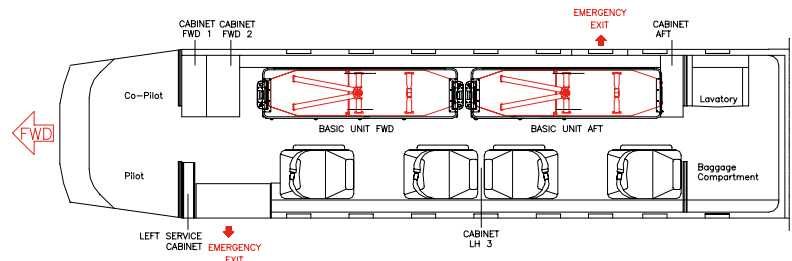
## Single Stretcher Configuration







### Double Stretcher Configuration

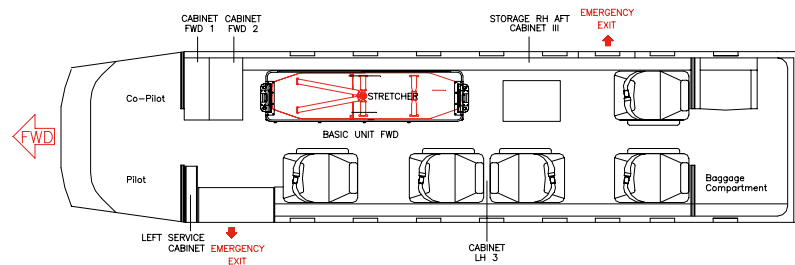


- 2 stable intensive care patients with extended medical team
- 1 stable intensive care patient and 1 stretcher patient
- 2 stretcher patients with 2 relatives or sitting patients
- 2 stretcher patients and 1 sitting patient with leg rest
- 1 incubator and 1 stretcher for the mother/mother-to-be

# Air Ambulance Configurations

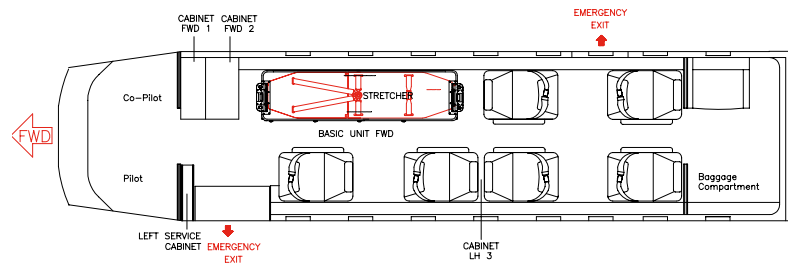
LearJet 45XR

## Single Stretcher Configuration A



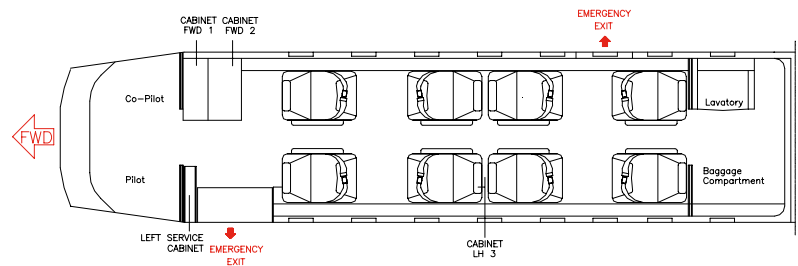
- 1 critical intensive care patient
- 1 stable intensive care patient with up to 3 relatives or sitting patients

## Single Stretcher Configuration B



- 1 stretcher patient with up to 4 relatives or sitting patients

### Passenger Configuration



- From 3 sitting patients with leg rest possibilities up to 6 sitting patients or relatives with regular medical team

### Medical Team

All EAA missions are staffed with a medical team composed of 1 physician and 1 flight nurse or paramedic. An extended medical team (2 physicians and 1 flight nurse) will be assigned for

- 2 intensive care patients and/or
- 2 bed-to-bed transfers or
- to extend the medical competencies taking for example one neonatologist and one obstetrician / gynecologist

### Luggage

Possibility to take extra luggage depending on the number of patients and relatives

### Lavatory

Separate lavatory in aft of the aircraft

## Certifications

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EAA members, DRF Luftrettung and Luxembourg Air Ambulance, are compliant with the latest aviation regulations, the JAA (Joint Aviation Authorities) and have the following certifications:



EHAC  
European HEMS & Air-Ambulance Committee



AAMS  
Association of Air Medical Services



FSF  
Flight Safety Foundation



JAA  
Joint Aviation Authorities



ISO  
International Organization for Standardization



The aircraft are modernised regularly to ensure that they are technically up-to-date. DRF Luftrettung's maintenance facility at Karlsruhe/Baden-Baden, which is EASA Part 145 approved, is operated by DRF Luftrettung's own team of expert technicians and highly qualified aircraft inspectors. It is here that the air ambulance aircraft are serviced, repaired, modified and painted. In addition, technicians install devices such as navigation systems and mount medical equipment such as stretcher facilities and oxygen supply systems.



Some maintenance activities have been sub-contracted to different JAR or PART 145 organisations.

The following sub-contractors are engaged to support the current fleet of aircraft:

- Bombardier LearJet 35A Jet Aviation Flugzeugwartung Köln PART 145 LBA - 0014
- Bombardier LearJet 35A Aero-dienst Flughafenstrasse 100 D-90411 Nürnberg PART 145 LBA - 0011

Regular checks on the fleet are also carried out in compliance with aviation authority regulations and the manufacturer's own guidelines. For the LearJet, these include comprehensive checks after 300, 600, 1.200 and 2.400 flight hours.

In addition, compliance with security standards is supervised by internal quality audits and by the Luftfahrt-Bundesamt (German Federal Office of Civil Aviation) and by the Luxembourg Direction de l'Aviation Civile (Civil Aviation Authority) at the Ministry of Transport.

This allows a high fleet efficiency and thus ensuring safe transportation.



### **Our partner for rapid response in North America**

Established in 1989, Skyservice Air Ambulance began operations to the northern populations of Canada bringing native people to the South for proper medical intervention. The company expanded when Canadian travel insurers began repatriating patients from destinations in the USA to Canada. Today, Skyservice Air Ambulance is specialised in adult, neonatal and paediatric critical care transport and has become a leader in this field.



### **Our partner for rapid response in high-risk and war areas**

RMSI Medical Solutions is a privately owned international company with headquarters in the United Arab Emirates, specialised in the provision of emergency medical response, support and retrieval solutions for governments, non-governmental organisations and companies working in remote/hazardous environments. They provide these healthcare services, facilities and resources in a non-partisan manner whilst respecting the principles of humanitarian engagement and neutrality.







# EUROPEAN AIR AMBULANCE

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