



**Primary and secondary  
assistance  
in CONGO with  
ambulances, airplanes  
and helicopters**

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# Presentation of the Republic of CONGO (Brazzaville)

Size: 342.000 km<sup>2</sup>



- **Wrong health circumstance** in Congo is consequence of limited geographic areas of the country and financial means:
- Public expenditure health : 8.9% of the GDP
- Private expenditure : 1.3%.
- Health expenditure :US\$30 per capita in 2004.
- A large proportion of the population is **undernourished**.
- As of 2010, the **maternal mortality** rate was 560 deaths/100,000 live births
- **infant mortality** rate was 59.34 deaths/1,000 live births.<sup>[6]</sup>
- **Female genital mutilation** (FGM) is rare in the country, being confined to **limited geographic areas** of the country.



# Three factors of MEDEVAC



Medevac focus is on 3 factors that make managing emergencies in many parts of Africa unique:

- Lack of developed public emergency response plan
- Poor healthcare infrastructure
- Presence of infectious illnesses

These factors mean extra precautions need to be taken when living in Africa, especially with regard to the plenty of personnel trained in life support and first aid



# Why to emplement Emergency Transport Plans



Emergency transport plans may consist of:

- major incident plans
- infectious disease prevention
- Improving healthcare and first aid

We trust in that:

- Companies operating in Africa should be prepared for outbreaks of diseases such as Malaria and yellow fever, Ebola, cholera and so on.
- Companies should design emergency response plans for the environments in which they operate.
- Geography is one of the most important factors affecting patient care in Africa

# Why Africa needs Air Ambulance? Dilemma



Some experts say, Air Ambulance services are not important in Africa for instance:

- tuberculosis, malaria, cardio vascular accident (AVC), heart attack ) cause of the many health problems faced across the continent.

Many are on the opinion and focus on their belief that health care is not important and should focus only on basic health care as clean water, antiretroviral drugs for HIV and anti malarial drugs and anti-diarrheal drugs for young children

In our view, there exist certain problems that particularly affect Africa, making air ambulances even more important here than other parts of the world. African health care problems are actually so basic the sophisticated services like air ambulances are actually not that important for that point of development.





# Why Africa needs Air Ambulance? Dilemma



- Developing world's population
- rural and urban areas
- 1.4 billion live in rural area
- large distance between rural and urban area (road infrastructures in Africa are poor)
- roads on the continents are seasonal meaning during rainy season or the monsoon seasons are impracticable



- public emergency services

# Why Africa needs Air Ambulance? Dilemma (Tertiary centers)



- developed worlds (people are living in specialist medical centre) in Africa 1000 km away from those centre

Because:

- 1/3 rural African has access to road
- 3rd leading cause of death due to poor road

Remote workers

Public emergency services

- less emergency service
- high number of patients

Doctors to patient ratios

- developed world: 10.000 patients/32 doctors
- in Africa: 10.000 patients/4 doctor

Violent crime

All in Africa: South Sudan, Libya, Central African Republic, Somalia, Congo  
(top countries with highest number of crime)

Civil unrest, huge number of lives get affected



# Lack of road infrastructures etc. /ambulance – medication in big cities,small towns only



- Specialist centers are far where people need to go
- Road Transport often an impossible option when you trying to bring a patient to hospital in a minimum amount of time
- whereas air ambulances are able to circumvent the problems of the road infrastructure
- similarly the distances involved between the living place of the population and the hospital where particular patient can be treated in developed specialist center are often quite huge
- sometimes of journeys of many hours, or even days to get to a specialist treatment where the patient can be treated





# Lack of road infrastructures (in case of flood or high water)



Many parts in Africa have medical health care in urban locations where it is not easy to reach for the mainly rural population, so, this is another reason making air ambulances even paramount in Africa than it would be in the developed countries

Slow way of aid and long trip to accident location



# Doctor ratio in developed countries vs. poor countries



- in developed countries there are often less distances to earn that need to be covered compared to Africa, so, that is another reason why Africa needs air ambulance service in order to provide an adequate response time in some of these scenarios air ambulance offers obvious advantages over ground transport
- similarly, the doctor patient ratios are much lower in Africa than they are in developed countries, for instance
- you have about 32 doctors for every 10000 patient, meanwhile, in Africa 4 doctors for the same amount of people

# Advantages of air rescue or MEDEVAC (expanding air network within the country)



- Overcome distances
- Quick and effective
- Easy to reach remote places
- Attractive to population
- More chance for the patient to survive



# Our target



- We target to do:
- Completely physician-led, which means complex, life-saving procedures can be carried out on the helicopter or ambulance en-route to hospital.
- charter aircraft available 24/7; same as those used by leading air ambulances in foreign countries (ex. in France, Tunisia, Morocco, South Africa)
- National air Ambulance Company in Central Africa.
- Transport from major Congo cities
- ONLY air ambulance that lands directly in all top Congolese specialist hospitals.
- Leading air ambulance for both jets and helicopters.
- Shortest response time of, as short as, 15-20 minutes.
- 100% safety record, the best in the industry.
- Critical care doctors on duty 24/7, 365 days a year.

# Integration of medical, clinical, logistical and infrastructural services



- We wish to provide integrated medical/ clinical, logistical and infrastructural service for state governments across Congo including;
- Pioneering and Improvement of State Land Ambulance Services.
- Procurement of Medical Equipment
- Major Incident Planning (Handling Disasters)
- Training for Doctors and Nurses
- Standby Coverage of State Events
- Inter-Hospital Transfers
- Air Evacuation Services for Trauma Victims
- Disaster management
- Among others.
- Tens of thousands of Congolese die each year because they are unable to get to well-equipped hospitals within the right timeframe.





# Transportation plans



- **Our Medical teams plans to transport patients to and from many countries.**
- Patients who require specialist treatments abroad can benefit immensely from our working relationships with top medical partners in several European countries, but also South Africa, Egypt, or even Tunisia among others.
- **Repatriation:** Our aim is to arrange either commercial or private air ambulance for our patients depending on their particular need.
- **Liaison:** to book medical appointments with specialists and medical facilities abroad for our patients as well as keep their families and/or sponsoring organisations abreast of developments.
- **Foreign Partnerships in the future**
- We wish to keep a working relationship in over 22 countries with hospitals, ambulances, mobile clinics, practitioners, specialists and physiotherapists.

# Vision and mission of Congo MEDEVAC



“To develop the provision of emergency healthcare across Africa”

“To get the right patient to the right facility within the right time frame.”

## **Our Project/Target**

- Congo MEDEVAC Aviation should be a company providing air ambulance services, training and consultancy to governments and private organisations across Africa.
- This structure must be predictive, proactive, practical and educational (first aid and on site CPR /cardio pulmonary reanimation/ intervention)

To be able to teach and demonstrate the importance of practising pertinent CPR to patient in needs



# Key of Success



- Technical support
- Local and international expertise
- Built close contract with the government and Insurance Companies to support the project
- Acquire Financial donations from donators and international institutions
- Educate the population for using 118 in case of crisis for help
- create strategic alliances



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Grateful thank to  
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