

VERTICAL DE AVIACION

"EVOLUTION, PREPARATION & DEPLOYMENT IN
SUPPORT OF EMERGENCY "



1

ABOUT US

In 1982, 40 years ago, @vertical.global was founded; today, we are one of the oldest helicopter service companies in the world, with past and present operations in more than 10 countries. We have reliably transported millions of cargo and thousands of passengers to austere and remote locations. We take great pride in keeping the torch alive and burning, changing the lives of employees and their families and providing safe, reliable air transportation and cost-effective support to civil and government customers.



More than 40 years
making the impossible
possible.



VERTICAL

2

OBJECTIVE

Make known to the actors involved in aviation processes, the support capabilities that the company has in events related to disaster response under the direction of its GIS.

VERTICAL 

3

SCHEDULE

1. **EVOLUTION IN SUPPORT FOR EMERGENCY CARE**
2. **INTEGRATION OF PROCESSES IN SUPPORT OF EMERGENCY CARE**
3. **PREPARATION AND ORGANIZATION (News)**

VERTICAL 

4

1. EVOLUTION IN SUPPORT FOR EMERGENCY CARE

VERTICAL 

5

EXPERIENCE

Rescue and recovery operations in areas affected by disasters.

Armero disaster (November 13, 1985)
“22,540 dead – 4,000 injured – 3,300 missing”

Armenian earthquake (25 January 1999)
“1,185 dead – 4,000 injured”



VERTICAL 

6

ARMERO DISASTER



7

ARMENIA EARTHQUAKE



8

RECOVERY OF ACCIDENTED AIR TEAM

➤ INTERCONTINENTAL ACCIDENT



➤ AMERICAN AIRLINES ACCIDENT



VERTICAL 

9

RECOVERY OF ACCIDENTED AIR TEAM

VERTICAL 



10

OTHER SUPPORT MISSIONS CARRIED OUT

NATIONALS

- PAEZ RIVER CANYON(1994)
- MOCOA FLOOD(2017)



INTERNATIONALS

- HAITI EARTHQUAKE (2010)



VERTICAL

11

AIRCRAFT INVOLVED



MD-500



MI-8



BELL-212



JETSTREAM 32

VERTICAL

12

2. INTEGRATION OF PROCESSES IN SUPPORT OF EMERGENCY CARE

VERTICAL 

13

NATIONAL AND INTERNATIONAL STANDARDS



14

INTEGRATED MANAGEMENT SYSTEM



15

3. PREPARATION AND ORGANIZATION

VERTICAL 

16

EMERGENCY PROCEDURES (Integration and steps)

1. Declaration Phase 3 (Aviation Accident)
2. Activation of the emergency operations center (COE) and mobile command post (PMM) The PMM will take control of operations at the accident site until a higher authority indicates otherwise.
3. If the accident is at airport facilities, the fire brigade will act in coordination with the PMM
4. If the accident occurs abroad, communication will be established with the local aeronautical authority of the state where the accident occurred.
5. Prior authorization from the foreign state, a PMM will be established to coordinate rescue efforts.
6. In any case, the company will act in accordance with the provisions of annex 13 (Checklist in case of emergency) and will follow established instructions.



17

EMERGENCY PROCEDURES (Integration and steps)



1. Declaration phase 3 (Accident)



2. COE and PMM activation



3. PMM meeting



4. Firefighters Participation



AERONÁUTICA CIVIL
UNIDAD ADMINISTRATIVA ESPECIAL

5. Coordination Authorities



6. Monitoring checklists

18

RESPONSE CAPABILITIES (Aircraft)



MI-8MTV1 MI-171 171/A1

CREW: 03 members

PAYLOAD: 4000 Kg internal or external

PASSENGERS: 24

CONFIGURATIONS

TRANSPORTATION: (24 Pax or external cargo)

HUMANITARIAN TRANSPORT: (Injured or sick additional 12 stretchers on board)

FIRE FIGHTING: (With Bambi Bucket)

19

RESPONSE CAPABILITIES (Staff)



20

RESPONSE CAPABILITIES (Staff)



- Our brigade personnel are trained and qualified to assist rescue organizations during the development of the emergency, we have the ability to deploy to all our bases, national and international.

21

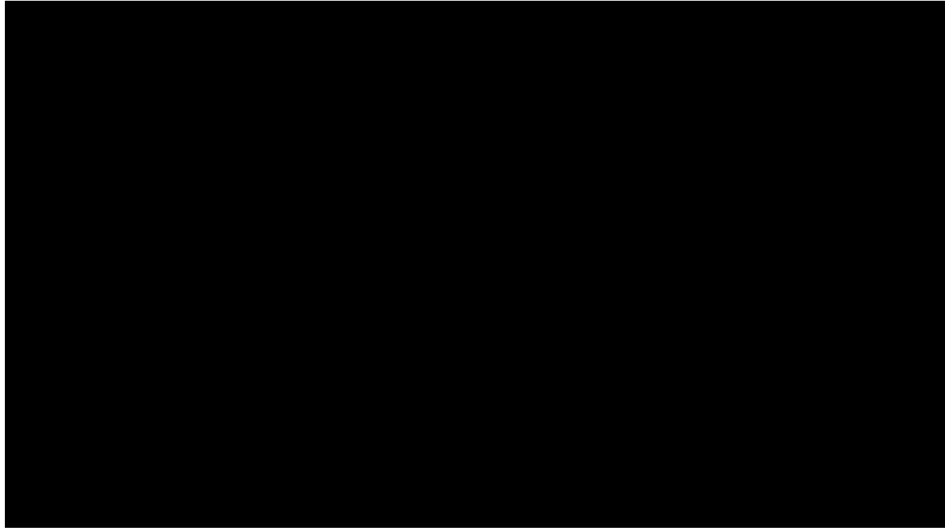
EMERGENCY PROCEDURES (Simulacrum)



- By being able to assist disaster response agencies, our staff becomes a fundamental part during the development of an emergency anywhere in the world, as long as foreign local authorities allow it.

22

EMERGENCY PROCEDURES (Simulacrum)



Our capabilities; They can be deployed in any part of the territory where Vertical de Aviation has a base of operations, in the same way we can provide MEDEVAC support with the purpose of evacuating personnel affected by the eventual emergency to the place of immediate medical attention.

23

EXPERIENCE IN HAITI (Air operations)



World Food Programme

- During the time that the company has been operating as an aircraft operator in HAITI, there have been no emergency situations; however, we have the capacity to respond to a possible emergency that might involve our aircraft, crews and/or third parties.
- Air operations in Haiti have been a challenge for our organization, but by operating under the highest safety and training standards, we can guarantee an agile and timely reaction in case of any eventuality, taking into account the high response capabilities of our personnel.

24

VERTICAL

EXPERIENCE IN HAITI (Flight hours)

STATISTICS HK-4900/UNO-149H WFP		VERTICAL	STATISTICS HK-5334/UNO-150H WFP	
FLIGHT HOURS	499	WFP World Food Programme I FLY WITH UNHAS TOTALS FLIGHT HOURS: 640 PASSANGER: 9093 CARGO: 258531 MISSIONS: 225	FLIGHT HOURS	141
PASSANGERS	7601		PASSANGERS	1492
CARGO	146197		CARGO	112334
MISSIONS	173		MISSIONS	52

➤ During almost 9 months of operation in Haiti, our company has completed more than 600 flight hours with the highest safety standards; during this period it is worth mentioning the work performed by one of our **MI-171** aircraft during the Cholera epidemic in Haiti.

25

VERTICAL

EXPERIENCE IN HAITI (Air operations)



26

EXPERIENCE IN HAITI (Air operations)

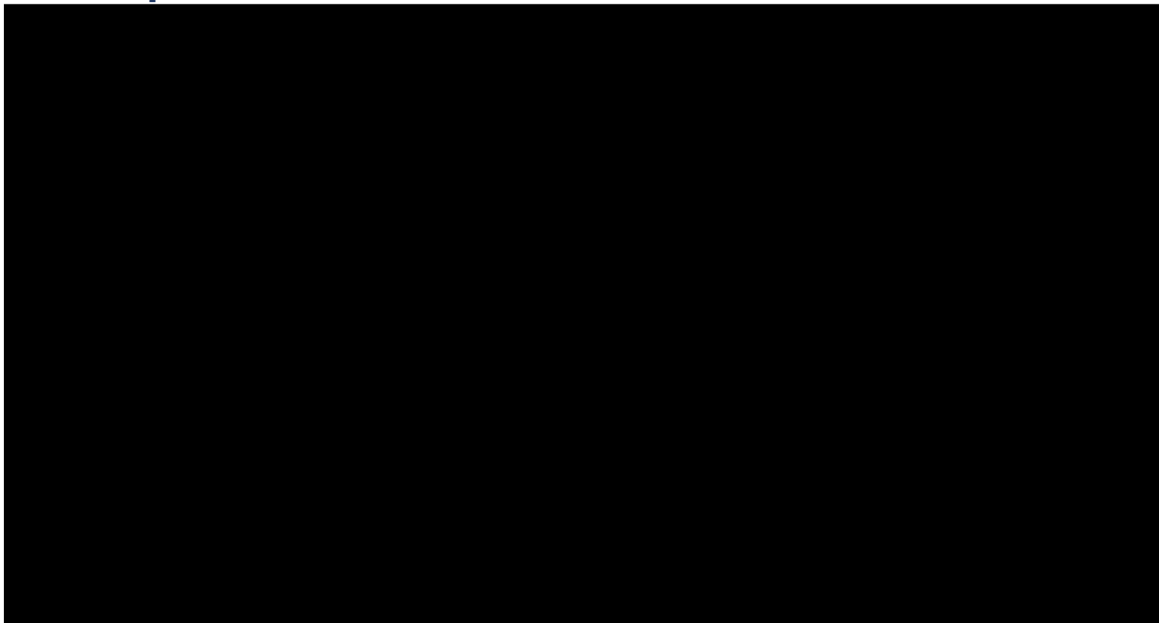
VERTICAL 



27

¡ 40 YEARS AT THE SERVICE OF THE WORLD!

VERTICAL 



28

