

PRESENT AND FUTURE OF PASSENGER TRANSPORT WITH DRONES



DRONESVIP | CIVIL AERONAUTICAL
TRAINING CENTER

INTRODUCTION

Technological advances respond to an ever-increasing need for more sustainable and efficient MOBILITY solutions.



EVOLUTION AND CURRENT OUTLOOK

The concept of DRONES for passenger transport is not entirely new. This idea has been in the minds of designers for many decades.

But, sometimes ideas fly faster than technology...



EVOLUTION AND CURRENT OUTLOOK

Today, the use of DRONES for passenger transport is known as "ADVANCED AIR MOBILITY".

Also, for its acronym in English, **A.A.M.**



EVOLUTION AND CURRENT OUTLOOK

And we're already seeing some real-life applications...



EVOLUTION AND CURRENT OUTLOOK

Skayports Infrastructure, the Dubai Transport Authority and JOBY Aviation, signed an agreement, to launch passenger air taxi services with DRONES, by 2026



EVOLUTION AND CURRENT OUTLOOK

EHANG 184, has already passed tests with humans on board



EVOLUTION AND CURRENT OUTLOOK

UMILES UAV hopes to be able to fly in the Spanish sky, linking cities and islands, from 2026



EVOLUTION AND CURRENT OUTLOOK

VOLOCOPTER, has done its URBAN MOBILITY tests in France during the last Paris 2024 Olympic Games



EVOLUTION AND CURRENT OUTLOOK



A DRONE could reach a disaster zone in minutes, and **rescue** people without putting more lives at risk

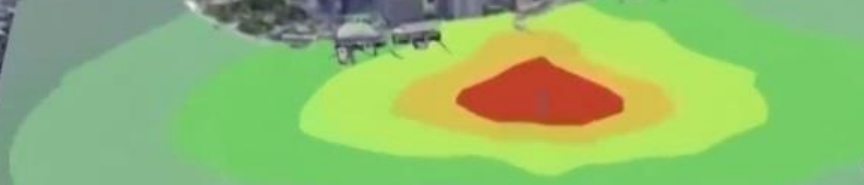
KEY VOIDS



Joby

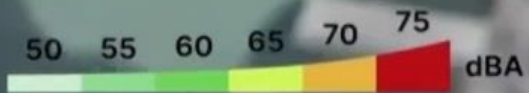
Light helicopter

KEY VOIDS



The contribution of electric propulsion, making engines quieter, more sustainable and with better operating costs

Quiet landing



Conversation



KEY VOIDS

Advances in artificial intelligence and sensor technology mean that these **DRONES** can fly by detecting obstacles and adjusting their routes in real time



KEY VOIDS

The development of **VERTIPORTS**, will allow **DRONES** to take off and land in **urban areas**

DEPARTURES:		Skyparts
18:00	- PALM JUMEIRAH	G1
18:05	- DUBAI MARINA	G2
18:07	- DUBAI DOWNTOWN	G3

EVOLUTION AND CURRENT OUTLOOK



HYDROGEN PROPULSION

Longer range

Higher payload capacity

Israel plans to fly hydrogen-powered drones in 2029



CHALLENGES FOR THE FUTURE OF PASSENGER AIR TRANSPORT

REGULATIONS
PUBLIC TRUST



New York City

CHALLENGES FOR THE FUTURE OF PASSENGER AIR TRANSPORT

TRIP DETAIL

Downtown Heliport

JFK Airport

DOWNTOWN
HELIPORT

Joby

TIME: 7 MIN

In the next 2 decades, we could see these DRONES as part of the solution to traffic problems and as an ecological alternative to traditional vehicles

Car

TIME: 49 MIN

JFK AIRPORT

Save Valuable Time



CONCLUSION

DRONES for passenger transport are ushering in a new era in **URBAN MOBILITY**



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QUESTION TIME!

