
DRONE OPERATION COURSE FOR CARGO AND PEOPLE TRANSPORT



CARGO TRANSPORT



DRONESVIP | CIVIL AERONAUTICAL
TRAINING CENTER

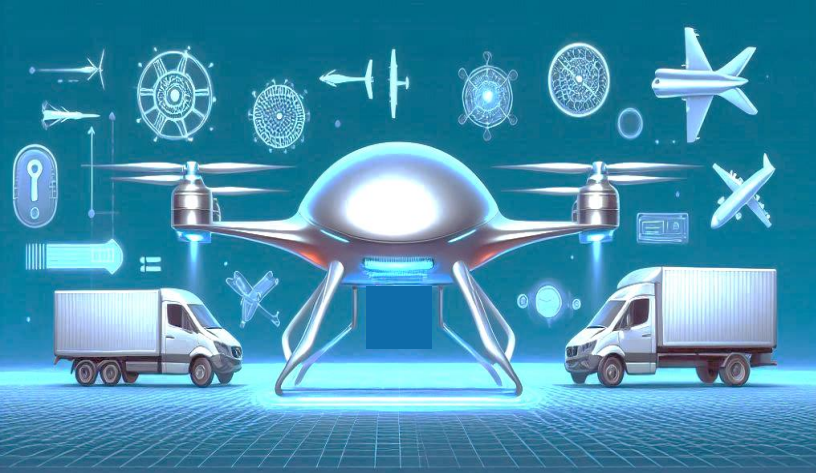
PEOPLE TRANSPORT



DRONESVIP | CIVIL AERONAUTICAL
TRAINING CENTER



CHAPTER II: DIFFERENCE BETWEEN CARGO DRONES AND PASSENGER DRONES



CARGO DRONES

- ✓ DESIGNED FOR DELIVERY
- ✓ WIDE RANGE OF CAPABILITIES
- ✓ INDUSTRIAL LOGISTICS, AGRICULTURE AND CONSTRUCTION
- ✓ AIR TAXIS / EVTOL
- ✓ TRANSPORTING PEOPLE WITHOUT A PILOT ON BOARD
- ✓ URBAN AND REGIONAL MOBILITY.



CARGO DRONES



VOLOCOPTER



AMAZON PRIME AIR



CARGO DRONES



WING AVIATION



ZIPLINE



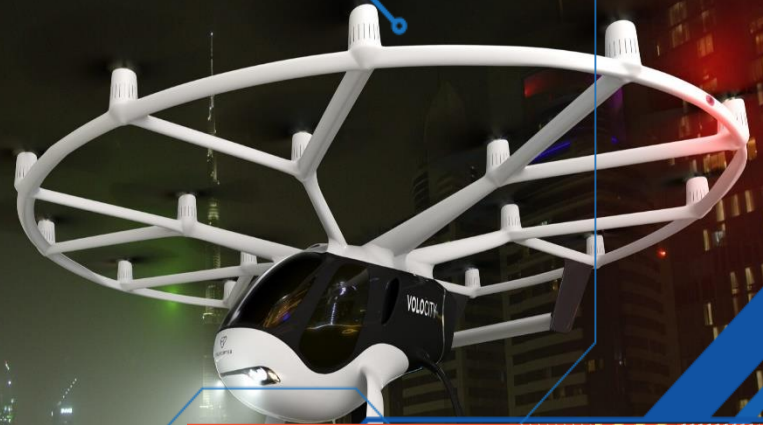
CARGO DRONES



PASSENGER DRONES



EHANG 216



VOLOCITY

VOLOCOPTER © Volocopter GmbH (exclus.)



PASSENGER DRONES



EHANG 216F



JOBY AVIATION S4



DESIGN AND STRUCTURE

- CONCEPT OF PAYLOAD BALANCE AND STRUCTURAL WEIGHT
- MAXIMIZE PAYLOAD/TOTAL WEIGHT RATIO
- OPTIMIZED DESIGN FOR CAPACITY AND EFFICIENCY

- OPTIMIZED WING PROFILE
- TECHNOLOGIES TO REDUCE INDUCED RESISTANCE
- COMPUTATIONAL FLUID DYNAMICS MODELING

- HIGH-EFFICIENCY ELECTRIC MOTORS
- HIGH-PERFORMANCE PROPELLERS
- ADVANCED COMPOSITE MATERIALS

- FINITE ELEMENT ANALYSIS
- DESIGN CHOICE
- LOAD FACTORS



DESIGN AND **STRUCTURE**

**INTELLIGENT
CHARGING SYSTEMS**

MODULAR COMPARTMENTS

SELF-BALANCING SYSTEMS

**AUTOMATED LOADING AND
UNLOADING MECHANISMS**

ADAPTIVE LANDING GEAR

GYROSCOPIC STABILIZERS



DESIGN AND **STRUCTURE**



**ERGONOMIC DESIGNS AND
COMFORTABLE INTERNAL SPACES**

APPLIED ANTHROPOMETRY

**ADVANCED ENVIRONMENTAL
CONTROL SYSTEMS**

**SHOCK ABSORPTION
STRUCTURES**

**SEATS WITH SHOCK
ATTENUATION SYSTEM**

**COLLISION DETECTION AND
AVOIDANCE SYSTEMS**



DESIGN AND STRUCTURE

PASSIVE AND ACTIVE SAFETY SYSTEMS

BALLISTIC PARACHUTE



EMERGENCY FLOTATION SYSTEMS



EMERGENCY LOCATORS



REDUNDANCY IN CRITICAL SYSTEMS



DRONESVIP

QUESTION TIME!

