DRONE OPERATION COURSE FOR CARGO AND PEOPLE TRANSPORT

CARGO TRANSPORT

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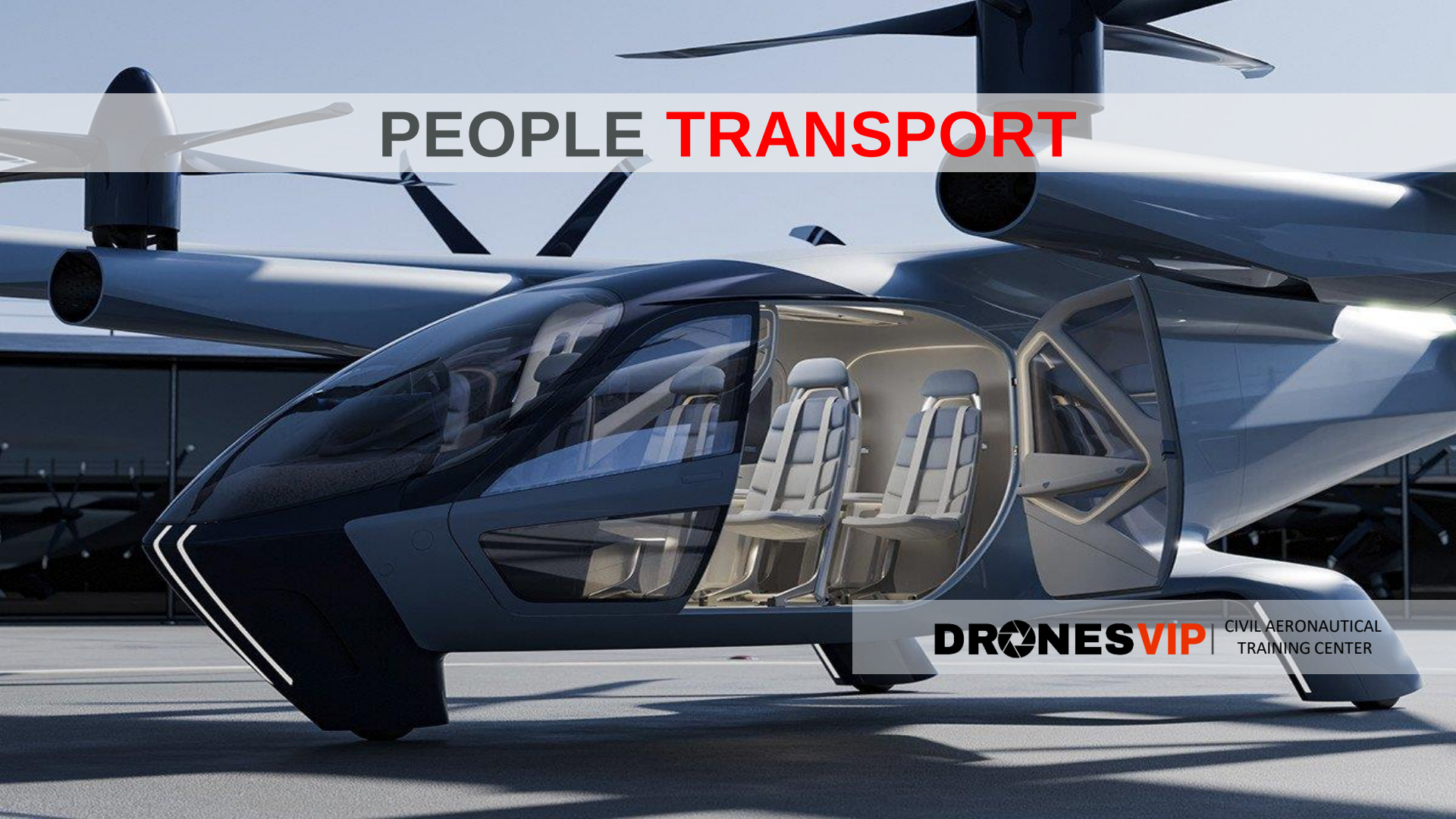
PEOPLE TRANSPORT



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CHAPTER VI: INTEGRATION OF LOADING AND UNLOADING SYSTEMS

DRONE CARGO SYSTEMS: VERSATILITY AND ADAPTABILITY

VENTRAL CHARGING: VOLOCOPTER VOLODRONE WITH ELECTROMAGNETIC SYSTEM

DRONE CARGO SYSTEMS: VERSATILITY AND ADAPTABILITY

MODULAR CHARGING: ELROY AIR CHAPARRAL WITH SMART CONTAINERS

DRONE CARGO SYSTEMS: VERSATILITY AND ADAPTABILITY

INTERNAL STORAGE: BELL APT 70 WITH FOLD-OUT COMPARTMENT

DRONE CARGO SYSTEMS: VERSATILITY AND ADAPTABILITY

EXTERNAL CHARGING: KAMAN K-MAX WITH HIGH-PRECISION STEEL CABLE

ADVANCED FEATURES OF CHARGING SYSTEMS

SENSORS TO MEASURE WEIGHT AND DISTRIBUTION IN REAL TIME

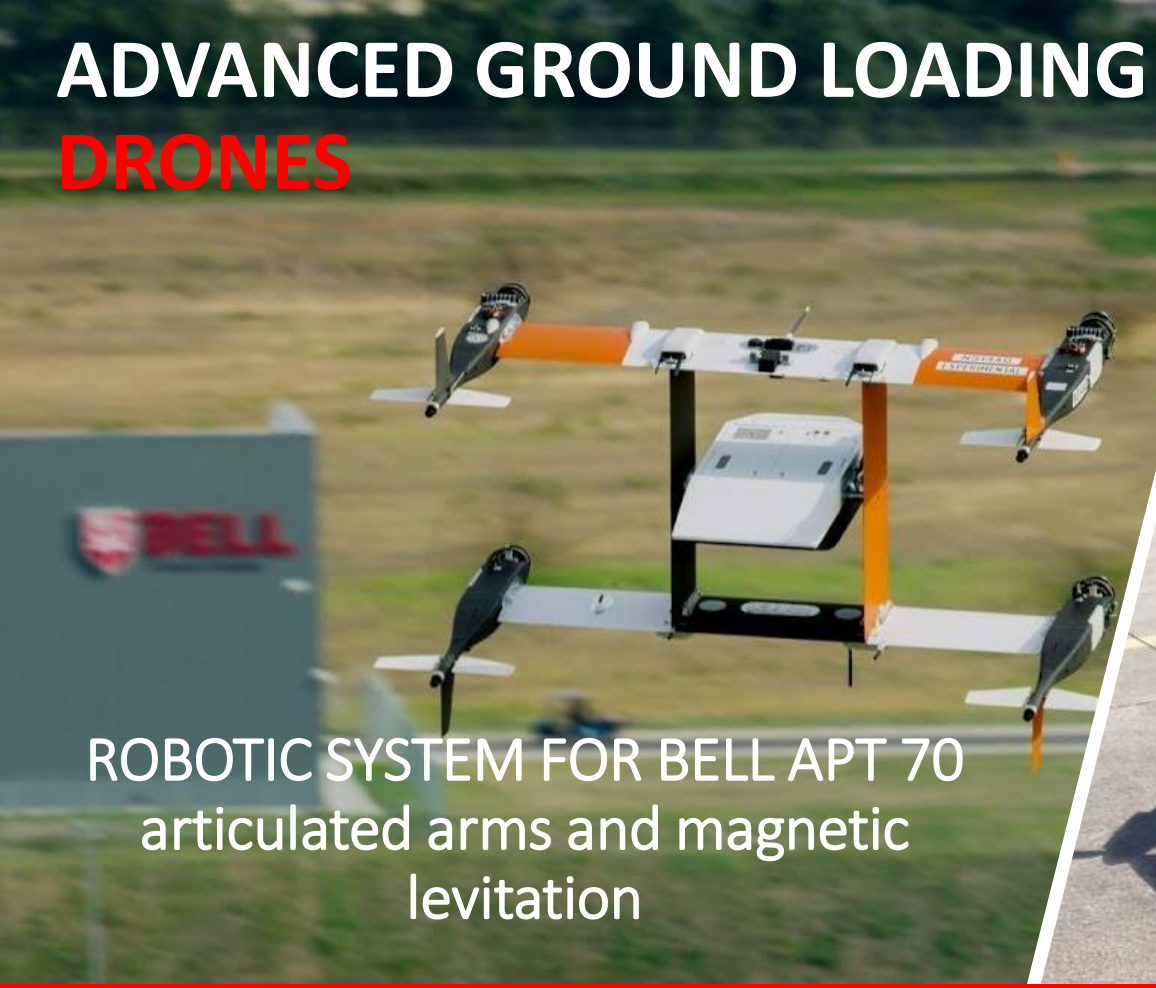
ACTIVE SHOCK ABSORBERS FOR STABILITY DURING FLIGHT

INTELLIGENT COMMUNICATION BETWEEN CONTAINER AND DRONE

TEMPERATURE CONTROL FOR SENSITIVE LOADS

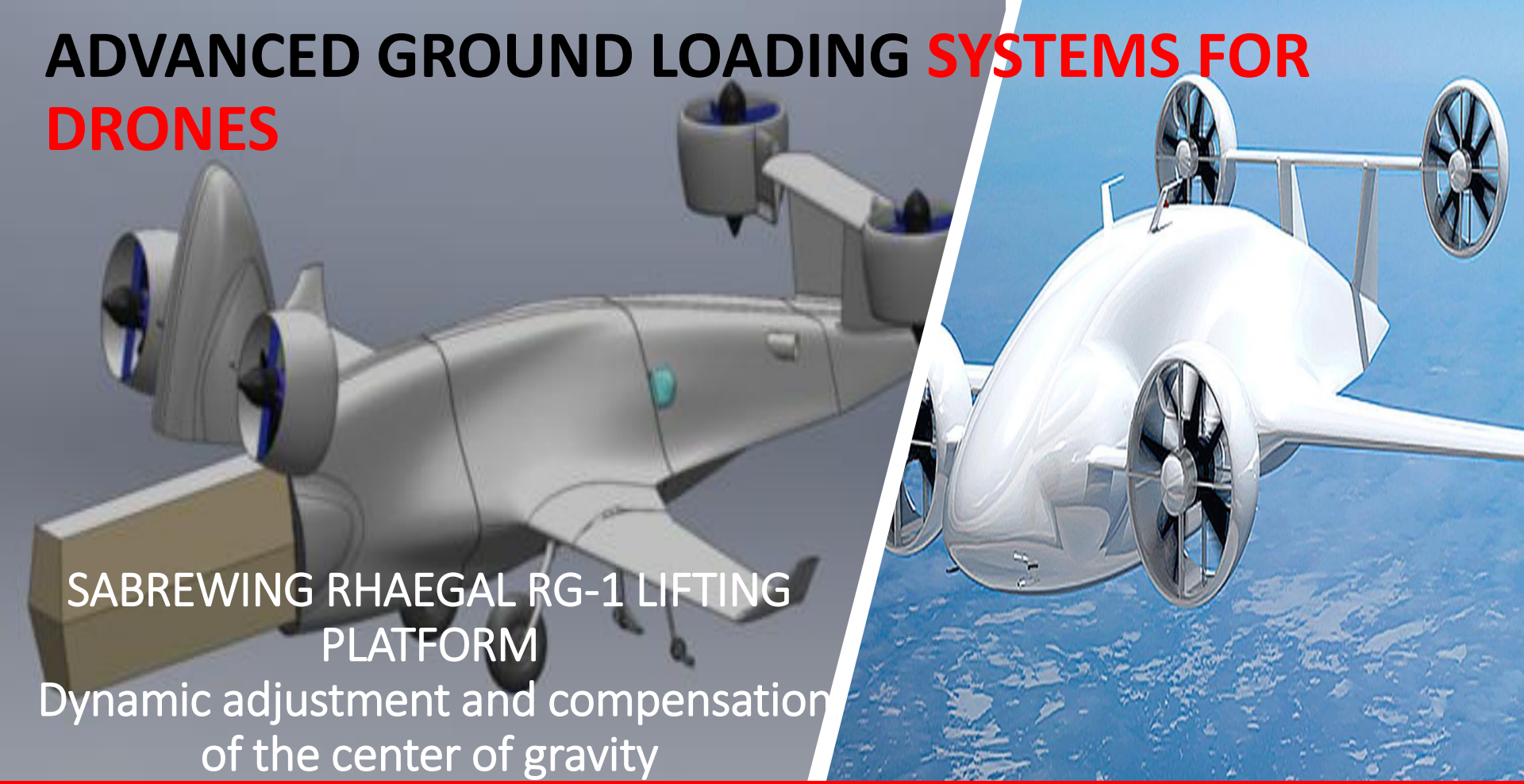
SPACE OPTIMIZATION AND LOAD BALANCING

ADVANCED GROUND LOADING SYSTEMS FOR DRONES



ROBOTIC SYSTEM FOR BELL APT 70
articulated arms and magnetic levitation

ADVANCED GROUND LOADING SYSTEMS FOR DRONES



SABREWING RHAEGAL RG-1 LIFTING PLATFORM

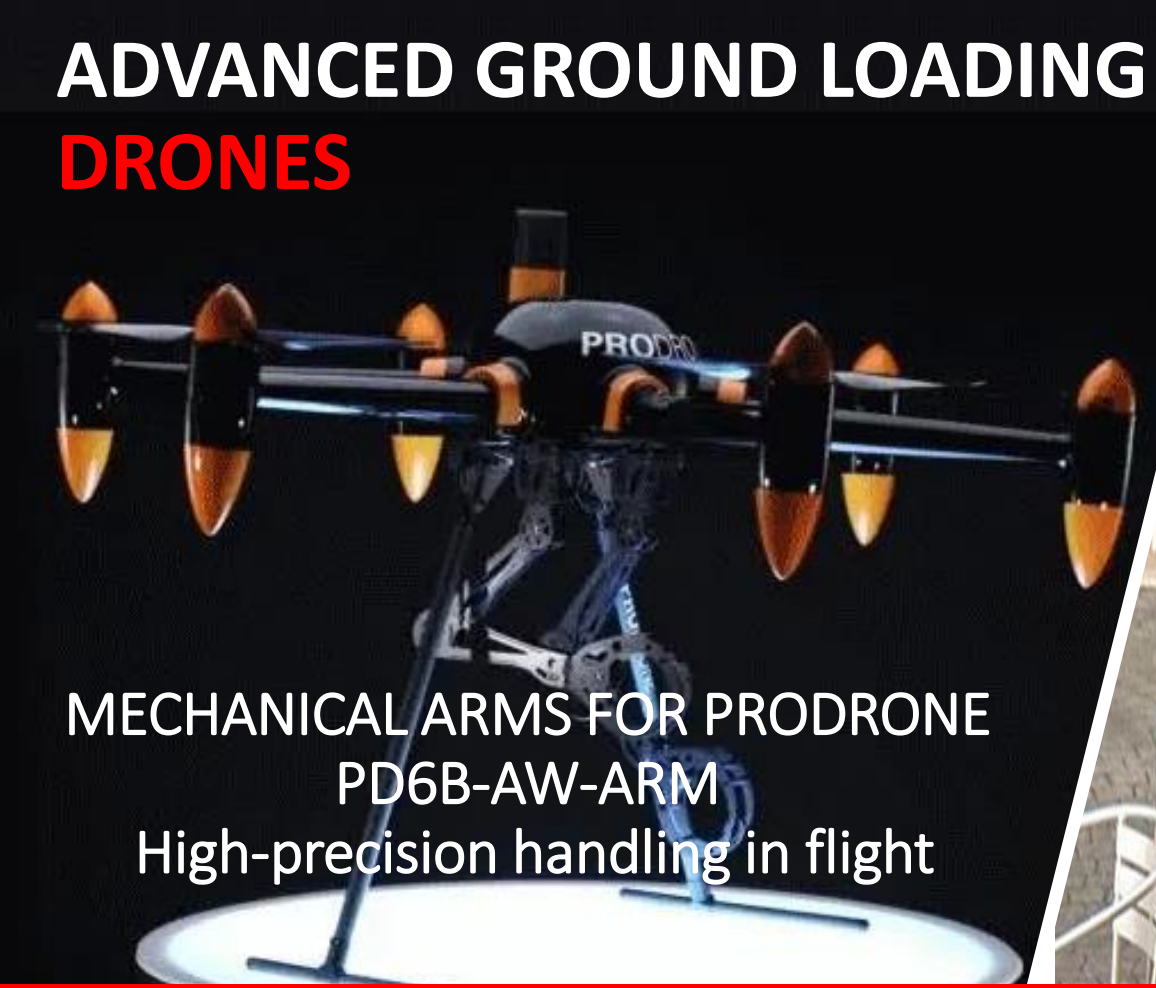
Dynamic adjustment and compensation of the center of gravity

ADVANCED GROUND LOADING SYSTEMS FOR DRONES

CONVEYOR BELTS FOR MIGHTYFLY PYCA

Real-time cargo analysis and organization

ADVANCED GROUND LOADING SYSTEMS FOR DRONES



MECHANICAL ARMS FOR PRODRONE
PD6B-AW-ARM
High-precision handling in flight

INNOVATIVE FEATURES OF CHARGING SYSTEMS

LIDAR SENSORS FOR REAL-TIME 3D MAPPING

ELECTROMAGNETIC FIELDS FOR CONTACTLESS OPERATION

PLATFORMS WITH DYNAMIC ROTATION AND TILT

BELTS WITH MICRO-ROTATORS FOR SPACE OPTIMIZATION

ROBOTIC ARMS WITH 5 DEGREES OF FREEDOM AND ADVANCED SENSORS

INTERCONNECTED ECOSYSTEM FOR GLOBAL OPTIMIZATION

ADVANCED DRONE UNLOADING SYSTEMS

WINGCOPTER 198

Intelligent parachute discharge with GPS guidance

ADVANCED DRONE UNLOADING SYSTEMS

KAMAN K-MAX

Cable system with winch and gyroscopic stabilization

ADVANCED DRONE UNLOADING SYSTEMS

SINGULAR AIRCRAFT FLYOX I

Cable system with winch and gyroscopic stabilization

ADVANCED DRONE UNLOADING SYSTEMS

MATTERNET M2

Direct ground discharge with tray system

APPLICATIONS AND ADVANTAGES OF UNLOADING SYSTEMS

DELIVERY IN HARD-TO-REACH OR DANGEROUS AREAS

OPERATIONS ON OFFSHORE PLATFORMS AND MOVING SHIPS

OCEANOGRAPHIC RESEARCH AND ENVIRONMENTAL MONITORING MISSIONS

EFFICIENT URBAN DELIVERIES IN TIGHT SPACES

VERSATILITY FOR HUMANITARIAN AID OPERATIONS

COMBINATION OF SYSTEMS FOR COMPLEX MISSIONS

LOADING AND UNLOADING SYSTEMS IN PASSENGER DRONES

EHANG 216

Direct access with side doors, compact design for two passengers

LOADING AND UNLOADING SYSTEMS IN PASSENGER DRONES

VOLOCOPTER VOLOCITY

Direct access with side doors, compact design for two passengers

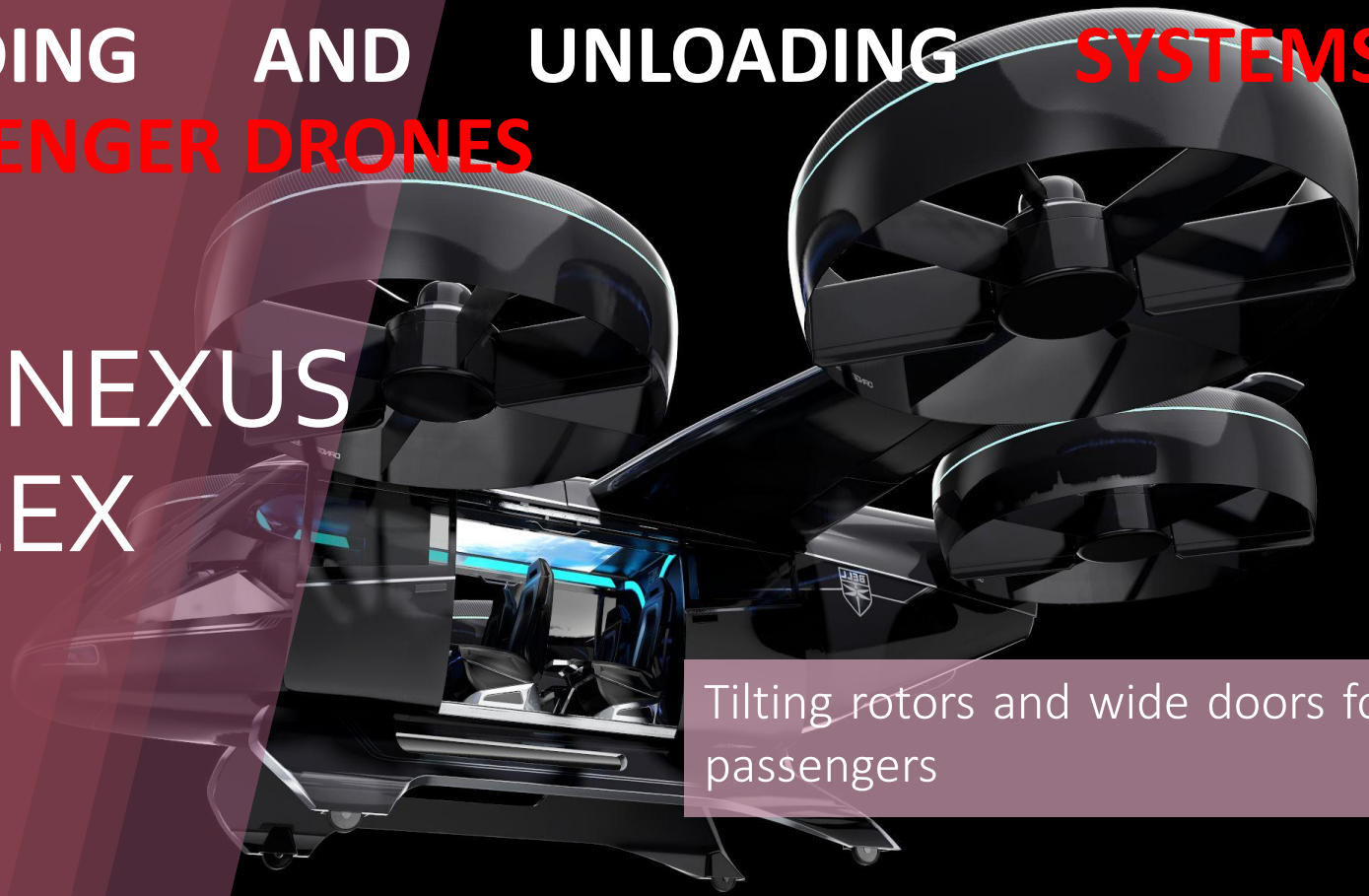
LOADING AND UNLOADING SYSTEMS IN PASSENGER DRONES

LILIUM JET

Extensible gateway, integration with existing infrastructure

LOADING AND UNLOADING SYSTEMS IN PASSENGER DRONES

BELL NEXUS 4EX



Tilting rotors and wide doors for multiple passengers

LOADING AND UNLOADING SYSTEMS IN PASSENGER DRONES

JOBY S4

Wide doors and raised rotors for easy access

FEATURES AND BENEFITS OF BOARDING SYSTEMS

OPTIMIZED DESIGNS FOR SMALL URBAN SPACES

INTEGRATION WITH VERTIPORTS AND ELEVATED PLATFORMS

ADVANCED SAFETY SYSTEMS FOR GUIDANCE AND LANDING

VERSATILE CONFIGURATIONS FOR DIFFERENT PASSENGER CAPACITIES

EASE OF ACCESS AND EFFICIENCY IN EMBARKATION/DISEMBARKATION

ADAPTABILITY TO VARIOUS URBAN AND SUBURBAN INFRASTRUCTURES

FEATURES AND BENEFITS OF BOARDING SYSTEMS

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WORKHORSE HORSEFLY

Weight and balance sensors for optimal distribution

FEATURES AND BENEFITS OF BOARDING SYSTEMS

VOLANSI VOLY C10

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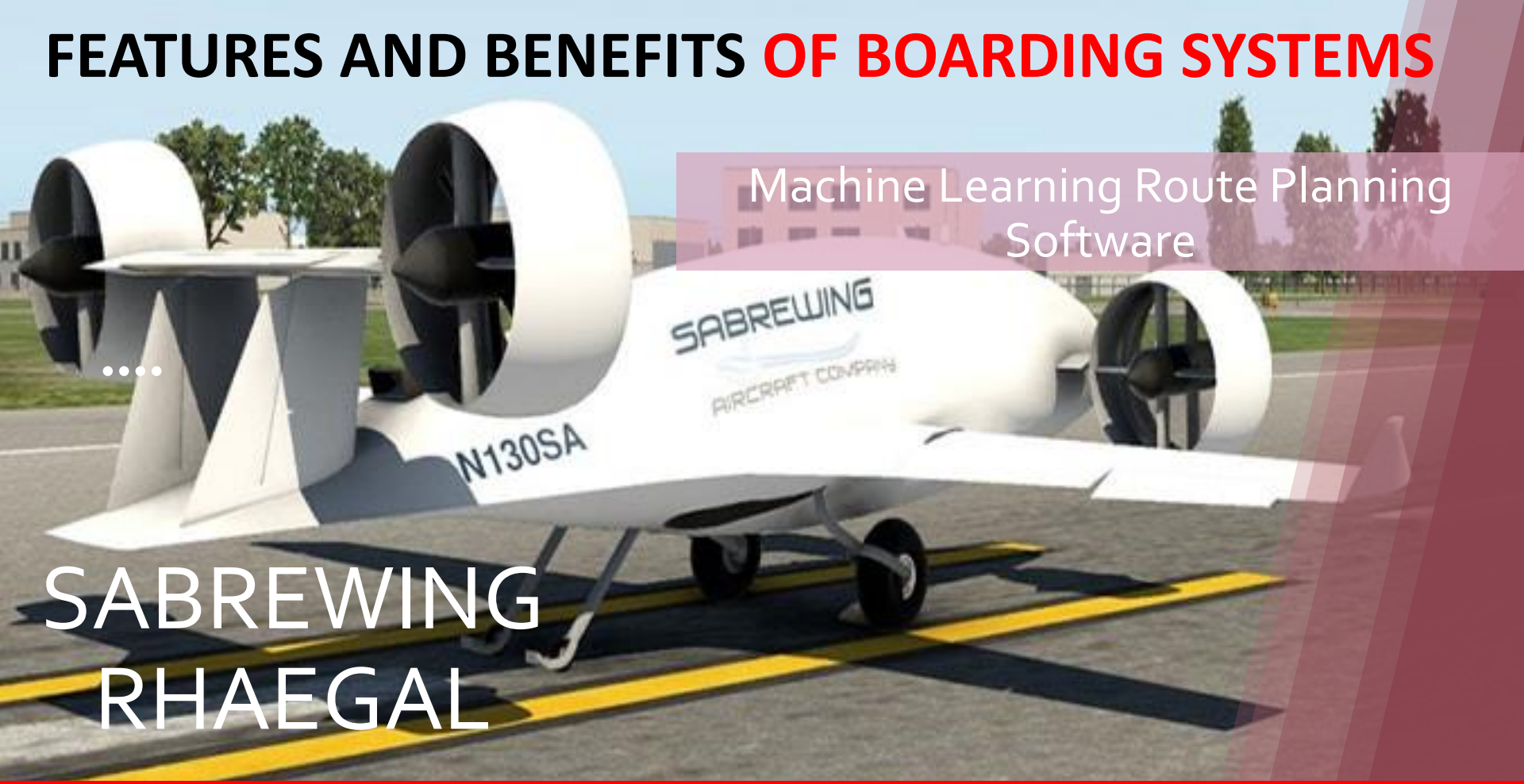
Electromagnetic anchoring system with automatic checks

FEATURES AND BENEFITS OF BOARDING SYSTEMS

Real-time monitoring of critical systems and passenger well-being

FEATURES AND BENEFITS OF BOARDING SYSTEMS



Machine Learning Route Planning Software

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SABREWING RHAEGAL

FEATURES AND BENEFITS OF BOARDING SYSTEMS

Military-grade encrypted communication system

KEY FEATURES OF SECURITY SYSTEMS

HIGH-PRECISION SENSORS FOR REAL-TIME ANOMALY DETECTION

INTELLIGENT ANCHORING SYSTEMS TO SECURE CARGO DURING FLIGHT

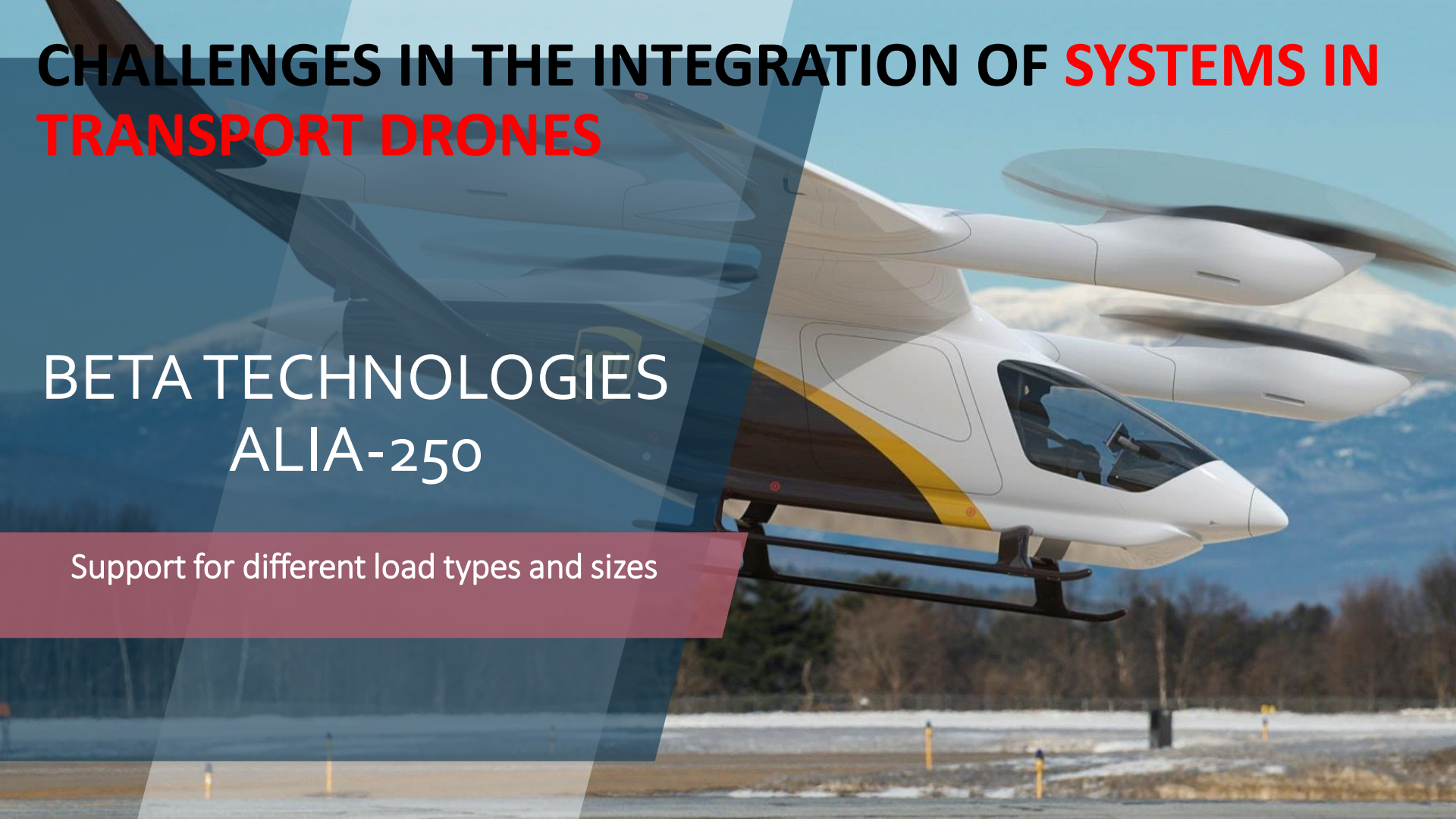
ADVANCED MONITORING OF PASSENGER STATUS AND CRITICAL SYSTEMS

MACHINE LEARNING ALGORITHMS FOR ROUTE OPTIMIZATION AND RISK MANAGEMENT

CYBERSECURITY PROTOCOLS FOR PROTECTION AGAINST UNAUTHORIZED INTERFERENCE

INTEGRATION OF MULTIPLE LAYERS OF SECURITY FOR RELIABLE AIR TRANSPORT

CHALLENGES IN THE INTEGRATION OF SYSTEMS IN TRANSPORT DRONES



BETA TECHNOLOGIES ALIA-250

Support for different load types and sizes

CHALLENGES IN THE INTEGRATION OF SYSTEMS IN TRANSPORT DRONES

NATILUS N3.8T

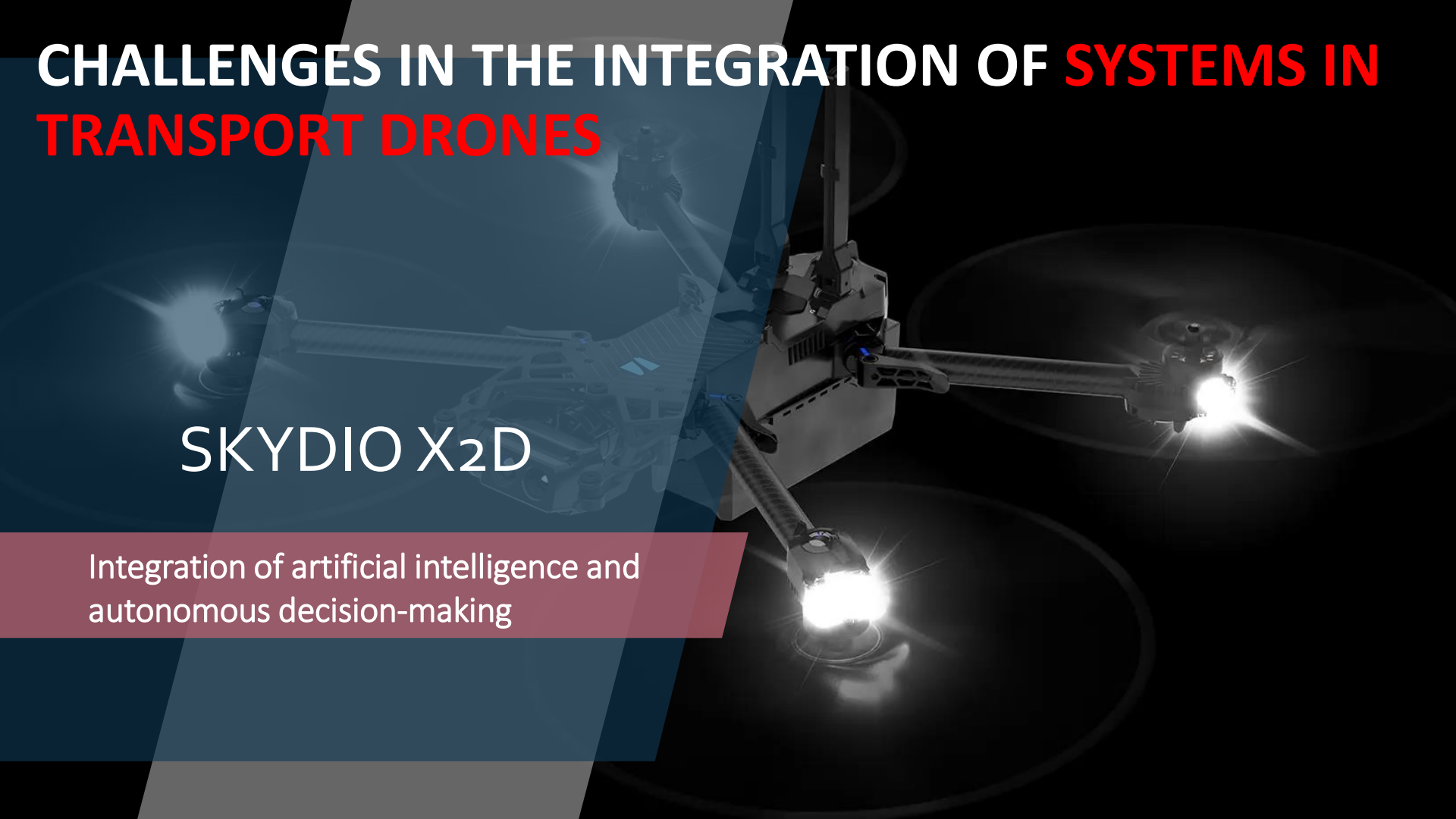
Adaptation to various climatic and terrain conditions

CHALLENGES IN THE INTEGRATION OF SYSTEMS IN TRANSPORT DRONES

DRAGANFLY COMMANDER 3 XL

Optimisation of energy consumption

CHALLENGES IN THE INTEGRATION OF SYSTEMS IN TRANSPORT DRONES



SKYDIO X2D

Integration of artificial intelligence and autonomous decision-making

SPECIFIC CHALLENGES AND DEVELOPMENT CONSIDERATIONS

BALANCE BETWEEN VERSATILITY AND AERODYNAMIC EFFICIENCY

ADAPTATION TO EXTREME CONDITIONS (HEAT, COLD, CHANGES IN AIR DENSITY)

EXTENSION OF FLIGHT TIME WITHOUT COMPROMISING CARGO CAPACITY

DEVELOPMENT OF AI ALGORITHMS FOR NAVIGATION IN COMPLEX ENVIRONMENTS

ETHICAL CONSIDERATIONS IN THE PROGRAMMING OF AUTONOMOUS DECISIONS

INTEGRATION OF NEW TECHNOLOGIES

DRONESVIP

QUESTION TIME!