



BELUGA

Italian designed high performance drone

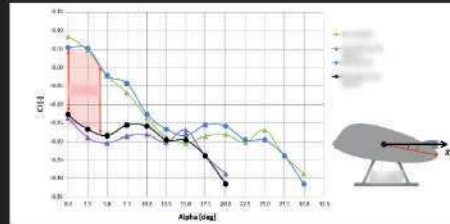


David Proffand

BELUGA

Beluga is the new state of the art drone designed by the Italian company Eurolink Systems, leader in high technology solutions for mission critical applications since 1993, with a long history of satisfied private and public customers, among which the most important Italian State Institutions and the Italian Army. Mixing this technical experience, with mother nature shapes and some Italian design, we are proud to reveal Beluga.

Three years of development, aerodynamics and optimization of performance studies carried together with an important Italian university, resulted in a new, state of the art mini drone, capable of performing a wide variety of tasks, by switching the payload (from EO/IR gimbal to medicine containers).



Beluga has Artificial Intelligence onboard, allowing swarm operations, plus a transponder, a radio catcher, satellite communication, and can reach a maximum speed of 100 Km/h with a 1,5 Kg payload attached.

Further developments of Beluga include a modular platform, capable of transforming from a flying to an underwater, or tilt-rotor drone, using the same frame.

// ITALIAN DESIGN

The shape of the drone is a resemblance of the work of mother nature, perfected by the art of men, and fine tuned through university lab studies.



// READY TO FLY IN 2 MINUTES

The drone is transported into a plastic case. No mechanical parts have to be mounted. Unfold the arms, power on, wait for the GPS signal, and fly.



// LANDING AND TAKEOFF FROM WATER / RECOVERY LANDING SYSTEM

Beluga's frame is made to resist to unfavourable ambient conditions like rain, landing on water, snow, sand, etc. It is protected under IP67 standard.



// HIGH ENDURANCE: 1 HOUR OF FLIGHT WITH 1,5 KG PAYLOAD

The propulsive system and the batteries are state of the art components, so Beluga can travel for a distance of 40 km in line of sight. The tethered version, in addition, can stay in flight for unlimited time.



// LOW NOISE PROPELLERS

Lower noise signature is achieved thanks to an innovative blade profile, optimized specifically for Beluga.



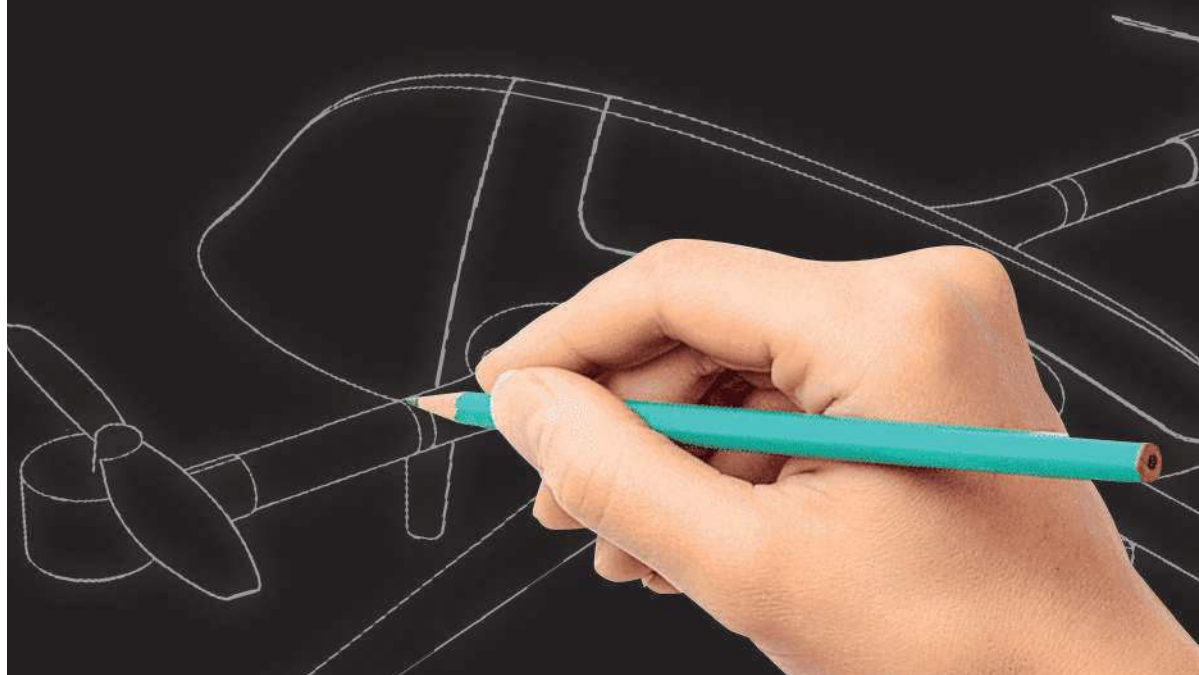
// ULTRA FAST

Beluga's aerodynamics were studied using Finite Elements Analysis, which determines the air behavior on the frame, resulting in a drone that can reach a speed of over 100 Km/h.



// ARTIFICIAL INTELLIGENCE ALGORITHMS

High tech electronics inside Beluga allow for automatic event analysis, target tracking, swarm operations and further future developments.



Beluga Typical Applications in the Luxury Yacht market

GOODS TRANSPORTATION

Attaching different types of containers under its frame, Beluga can become a life saver, carrying defibrillators, blood for transfusions or other medicines, or it can become a butler capable of bringing food or beverages from the land.



SURVEILLANCE / SAFETY

An eye from above can be very helpful in difficult situations. It can help to spot other ships, find people in need of help, or check for dangers in the surroundings.



DOCKING BAY INSPECTION

When looking for the best spot to go docking the boat, sending Beluga in advance to check if the coast is safe, or if the beach is beautiful, could save a lot of time and money.



WHALE WATCHING - SIGHTSEING

A drone flying above water can be a terrific film director: the aerial footage made during a tourist trip will be unforgettable.



UNLIMITED MISSION PROFILES

Beluga can integrate a wide range of sensors (EO/IR, Multispectral, Lidar, GPR, Laser designator, RF catcher, CBNR and more), carriers, making its uses virtually unlimited.





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