

NEW DRONE RESCUE SYSTEM

The all-new waterproof flight & float platform designed for multipurpose operation in any harsh environment with thermal camera and Inflatable life jacket belt pack included.

DRONE FEATURES:

- **IP67 Certification:** Sea-waterproof Aircraft
- **IP66 Certification:** Waterproof Remote Controller
- **Safe Flying** all weather
- **4K 3-axis** Waterproof Camera
- **5 km (3 miles)** Image Transmission
- **Up to 28 mins** flight time
- **Return to Pilot:** Dynamic GPS tracking
- **Payload Capacity:** 2 KG (4.4 lbs)
- 740Kv Motor
- Total control of the drone in any strong wind of up to **31 mph (60 km/h)**.
- **Rain & Snow-Proof**



PATENTED SYSTEM



Corrosion-free

The waterproof motors and internal electronics of the drone are coated with corrosion-resistant coating adding an extra layer of protection against the salt and moisture in sea air.

Floating Design

Pilots on a small-sized watercraft no longer need to hand-catch their drones. The drone can fly over water, land on the water, and take off again without the need of attaching external pontoons.



Air-vent

A specially-made waterproof membrane placed on top of the drone hatch lid facilitates ventilating, ensuring correct altitude holding and excellent heat dissipation.

LIFE JACKETS AND LIFEBELTS, FLAGS AND BANNERS, TECHNICAL ITEMS, PERSONAL PROTECTIVE EQUIPMENT AND SAFETY

GEAR FOR CIVILIAN AND MILITARY FIELDS

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**VELERIA
SAN GIORGIO®**

LIFEJACKET MANUFACTURER

NEW DRONE RESCUE SYSTEM

More than 500 releases carried out with life jackets and 280 hours of flights under stress.

The drone was used for take-offs and landings from bodies of water with medium-large waves (1.5/2 metres) and gusts of wind between 40 and 50 knots.

The Drone also flew in the rain or the hail of small-medium size.

Depending by weather conditions and any disturbances the drone's range of action varies from 3 to 5 kilometers (see the procedure in the air traffic rules of reference).

Even if the drone was born without rescue devices, it has already conquered the global market for other purposes and uses, demonstrating its large-scale reliability.

The Drone can be in the air in just 3 minutes from the alarm communication.

Visibility in 4/5 minutes per square kilometre during the day and at night (check weather conditions).

The optimal flight is between 50 and 90 meters of height above the surface and it let be the search much more effective considering the deck of the boat.

Accuracy of the thermal camera : +/- 6 degrees .

Work in progress: remotely driving and semi-autonomous and autonomous driving.

Our technical department is hardly working to let certify to RINA Notified Body this Patented VSG Rescue Drone but it's still in progress because there are no previous cases of this kind of product already certified.



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THERMAL CAMERA:

3Axis Thermal Gimbal Camera GC3-T

Waterproof: IP67

Axis: 3 axis(pitch,roll,yaw)

Pitching angle: -90°to 0°

Maximum control speed: Pitching 60°/s

Weight: Approx. 450g

Size: 110*100*115mm

Low Light Camera

Image Sensor: 1/2" 12M Starlight CMOS

Lens: FOV: 66°

Burst: Shut/3/5/10pcs

Interval Shut/1/3/5/10s

Video Resolution: FHD: 1920*1080 30/60p | HD: 1280*720 120/60p

Max Video Stream: 64Mbps

Picture Format: JPEG

Video Format: MP4 / MOV

Support Memory Card: Micro SD CARDS with a maximum capacity of 128GB, write speed ≥ 15 MB/s, and transmission speed of Class 10 or above or UHS-1 rating are supported

Working temperature: -10 to 40



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NEW DRONE RESCUE SYSTEM

INFLATABLE LIFEJACKET:

Inflatable life jacket belt pack, ISO 12402-3 certified, class 150, effective buoyancy 150 N, quick-release clasp closure system in acetal resin with integrated adjustment.

Designed for rescue at sea carried out in the open sea and/or under adverse weather conditions, with the possibility to safely await rescue even in rough waters. Provides maximum safety for any type of navigation.

It is easily worn under any circumstance and over every type of clothing, from swimsuits to jackets.

Produced and designed to be used on the drone.

CASING FEATURES

Tapes for additional gadget (radio, cyalume etc)

Velcro closure

Quick-release clasp with integrated adjustment

Rescue assistance loop

Lifting handle



FEATURES	
Type	Inflatable life jacket belt pack
Activators	UML MK5 - automatic Oral tube on all versions
Canister	33 g 1/2" GAS threading
Effective buoyancy	160 N
Class	150
Fastening mechanism	Quick-release clasp in acetal resin with integrated adjustment
Certifications	ISO 12402-3
Size	Adult
Weight supported	> 40 kg
Waist circumference	80 - 125 cm
Warranty	24 months
Inspection	Every 24 months
Veleria San Giorgio reserves the right to modify the technical specifications without prior notice	

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