

Carretera do Vilar, 56-58 36214 Vigo, Pontevedra, Spain (+34) 986 120 430 | gradiant@gradiant.org www.gradiant.org













Captive drone system







Tethered drone solution

Silent UAV by Gradiant facilitates management and situational awareness tasks at control and command posts.

The tethered drone architecture has **two main segments:** ground and air, interconnected by the tether [or umbilical], which provides power from the ground segment to the air segment, offering a two-way communication and power interfaces between the control centre and the drone.

- Ground module: the base and operations centre of Silent UAV by
 Gradiant, which can be deployed anywhere that has electrical power.
- Air module: formed by the UAV platform and additional devices to perform all observation, tracking and localisation operations.

The UAV can carry a payload of up to 2kg.

The system is controlled locally or remotelly from a Graphical User Interface running in a computer or laptop connected to the Ground module.

With Silent UAV by Gradiant the authorities have a much clearer picture of the conflicts that are occurring, allowing them to act earlier to ensure the prevention and safety of people.

Silent UAV can be complemented with Video Analytics by Gradiant allowing to detect and identify targets in an automatic way.





Unlimited hours of use, thanks to the power supply through the tether



Does not transmit RF signal so it is undetectable from the RF point of view



Data transmission more reliable and secure

