

# EV003-S800

ENAC Certificate Ref. N°5333

## INDUSTRIAL APPLICATIONS

- Aerial Photogrammetry
- Industrial plants and pipelines monitoring
- Photovoltaic systems monitoring
- EMC monitoring

## ECO & BUILDINGS

- Energy dissipation and losses monitoring
- Digital models reconstructions
- Facilities monitoring

## ENVIRONMENTAL APPLICATIONS

- Air quality monitoring
- Thermographic landfills surveys
- Asbestos surfaces classification
- Polluting spills identification

## AGRICULTURE

- Multispectral surveys
- **Controlled distribution (bugs, seeds etc.)**

## SAFETY

- Critical infrastructures supervision
- Emergency management

## RESEARCH & DEVELOPMENT

- Research institutes
- Universities

## PAYLOAD OPTIONS

- Photo/Video cameras
- Thermal camera
- Radiometric thermal camera
- Multispectral
- Hyper spectral
- Air quality

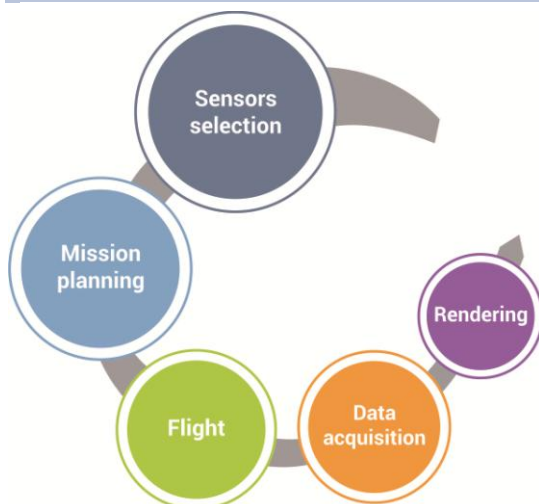


## TECHNICAL SPECIFICATIONS

- |                               |                  |
|-------------------------------|------------------|
| ▪ Type                        | ▪ Multicopter    |
| ▪ Rotor distance              | ▪ 850 mm         |
| ▪ Maximum take-off weight     | ▪ 8,550 Kg       |
| ▪ Maximum payload             | ▪ 2,430 Kg       |
| ▪ Motor type                  | ▪ Brushless      |
| ▪ On-board batteries          | ▪ LiPo battery   |
| ▪ Structure                   | ▪ Polymers shell |
| ▪ Maximum speed (75% limited) | ▪ 9 m/s          |
| ▪ Endurance                   | ▪ Up to 25 min   |

## TECHNICAL BENEFITS

- |  |                                     |
|--|-------------------------------------|
| ▪ Good in-flight efficiency reducing mission execution times | ▪ Stabilized and controlled flight. |
| ▪ High payload capacities                                    | ▪ Flying space control.             |
| ▪ High precision during mission's execution.                 | ▪ Retractable gear.                 |
|  | ▪ Automatic take-off and landing.   |



**S800** is a Remotely Piloted Aerial Vehicle (RPAS) with VTOL characteristics (Vertical Take-Off and Landing); with 6 electrical motors. Can load up to 2,430Kg with a maximum take-off weight (payload included) of 8,550Kg.

**S800** can flies automatically following a planned route on both vertical and horizontal planes and, it can be manually controlled via a remote controller.

**S800** is designed to comply with all regulations of civil aviation authorities of several countries. **S800** can be used for critical specialized operations.