AEROMAPPER
SMARTER DRONES FOR BETTER DATA

AVEM

Long range surveying drone

AVEM
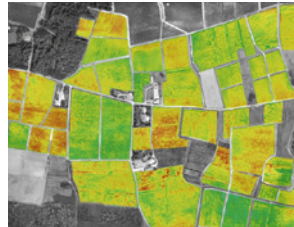
24,3
MEGAPIXELS

BLOS
LONG-RANGE

2hr
FLIGHT TIME

400
HA/HOUR

The resolution of the embedded imaging sensor, operating in the visible or near infrared spectrum.

The AVEM is approved for Beyond-Line-Of-Sight flights and covers very large areas.

This best in-class flight time available on the AVEM allows to effeciently cover hundreds of hectares.

The AVEM hourly productivity at 150 meters and with a GSD of 3 centimeters.
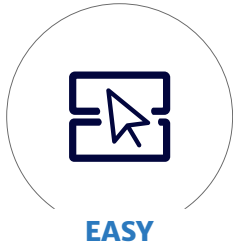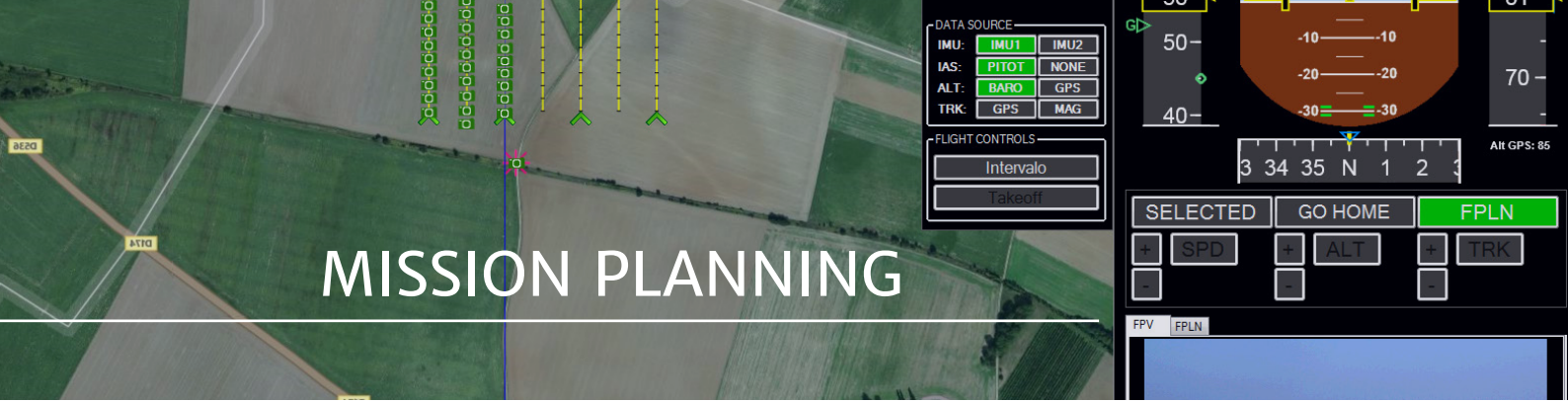
Sensor Specifications

Standard sensor	SONY α5100	Definition	24.3 MPx
Spectrum	R-V-B / PIR-V-B	Resolution	From 0.8 cm / Pixel
Focal length	19 mm or 30 mm	Accuracy after post-treatment	x, y, z : +/- 4 cm

Imaging characteristics

Focal length / Flight altitude	Picture size	Ground resolution
30 mm / 80 m	62 m x 42 m	1.0 cm
30 mm / 150 m	118 m x 79 m	2.0 cm
19 mm / 80 m	99 m x 66 m	1.6 cm
19 mm / 150 m	186 m x 124 m	3.0 cm

Use your own sensors

To cover your specific needs, Aeromapper can easily integrate your own sensors weighing up to **500g**

MISSION PLANNING

EASY

Forget mathematics
Aeroplanner plans your missions in a few clicks and integrates your specifications in a simple and intuitive way.

EFFICIENT

A few minutes are enough to integrate all the mission and field parameters, and efficiently prepare your flight plans.

POWERFUL

Aeroplanner integrates all the tools needed to complete your mission and comply with all the requirements of your customer.

GROUND STATION AND FLIGHT MONITORING
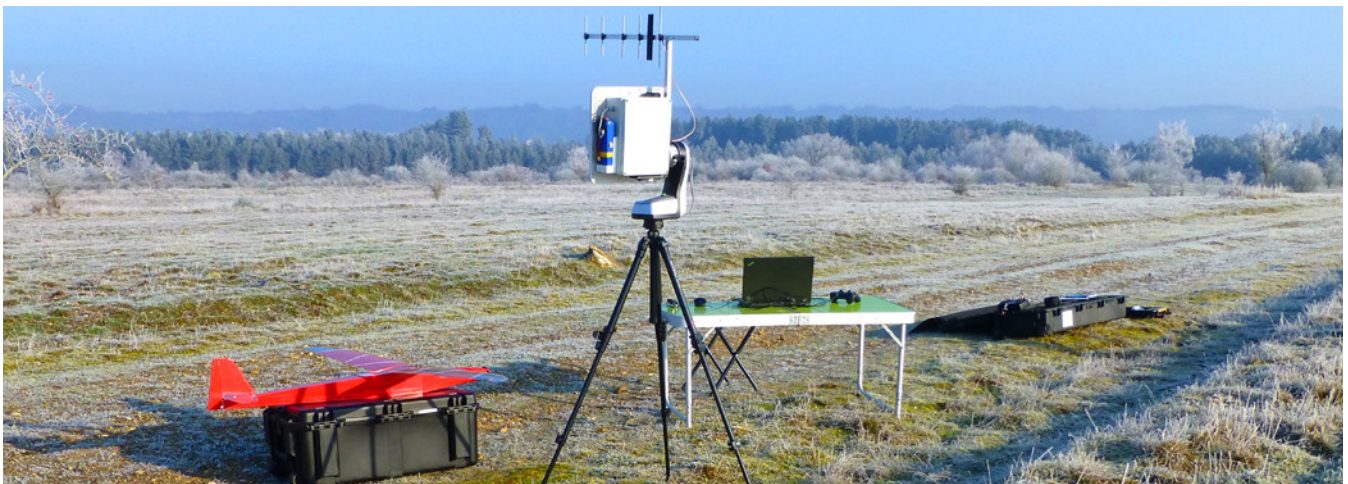
With a carry case, you can safely and easily move your ground station around the world.

Running on rechargeable batteries, the ground station is designed to be very easy to use.

The control interface has been developped following aeronautical codes and guarantees absolute safety.

After a short training, the pilot will be comfortable with the interface, ready to operate the AVEM in all conditions.

TECHNICAL SPECIFICATIONS

Approvals	BLOS Certified	Wind resistance	40 km/h
Autonomy	2h	Radio range	15 km
Wingspan	2.13 m	Maximum altitude	3000 m
Maximum weight	2000 g	Installation Time	< 10 mn
Payload	500 g	On-axis precision	+/- 2 m and +/- 2°
Take-off	Launched by hand	Distance travelled	120 km/flight
Guidance	Automatic	Covered area 150 m	400 ha/hr
Cruising speed	60 km/h	landing surface	Min 5x20 m

TRAINING & SUPPORT

A true partner
Aeromapper is by your side to support, advise and assist in your operations. Our team has extensive experience in the field.

BY YOUR SIDE

Autonomy in operations
Aeromapper emphasizes on high quality training, key factor for mission success.
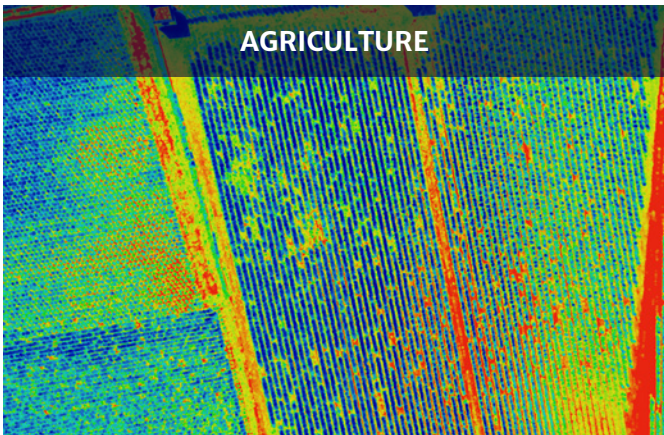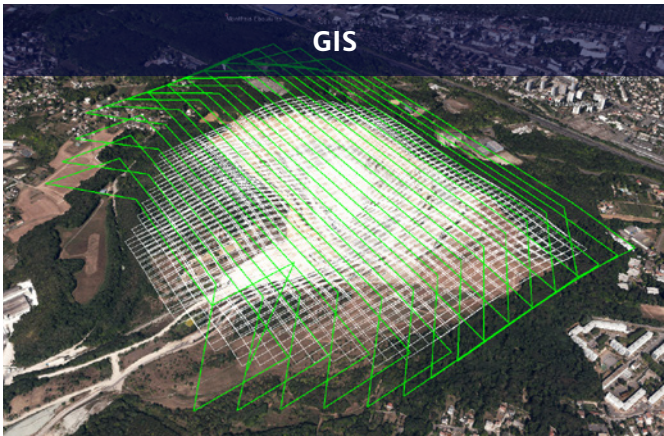
TRAINING

Around the world
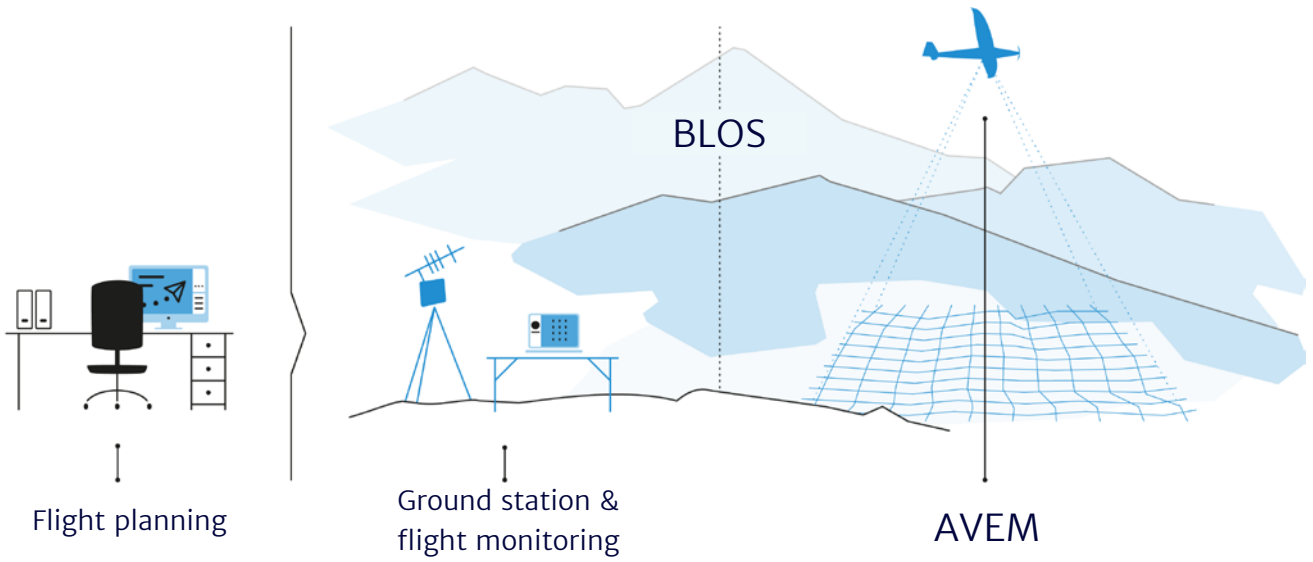Contact us wherever you are. We will be happy to offer support and assist you in making every operation a success.

SUPPORT

APPLICATIONS

BLOS

AVEM

Flight planning

Ground station &
flight monitoring

GIS

TOPOGRAPHY

AGRICULTURE

LINEAR INFRASTRUCTURE

COMBINING OUTSTANDING PERFORMANCE AND DATA QUALITY

Having the best sensor alone is not enough to provide good quality imagery. Aeromapper has also developed numerous technologies to offer its UAV exceptional flight behavior. The AVEM will impress its user with precision of acquired data and with flight performance.

MAINTAINING AN OPERATIONAL PERSPECTIVE

Aeromapper's main concern is streamlining operations. On this basis, we are always listening to our customer's experience and feedback to always keep improving the system.

SECURITY

Considering flight safety as its top priority, Aeromapper has invested heavily in the design of many systems to make operations as safe as possible.