

PRESS RELEASE

Big news at EIMA 2021 for Farmnavigator, AvMap's brand dedicated to agriculture

- **4G Agri and MyFarmnavigator: the Italian solution for connected Agriculture**
- **G7 Dataseed: the innovation for biologic weeding comes from the GPS pioneers**

October, 21st 2021- EIMA 2021, Bologna PAD36 A31: AvMap, the Italian company pioneer of GPS navigation, is attending EIMA 2021 with its Farmnavigator brand dedicated to agriculture and three major innovations:

- **Farmnavigator 4G Agri:** the first Telematics hotspot designed for smart farming enabling telemetry, geolocation and interconnection between agricultural vehicles and the office;
- **MyFarmnavigator:** the cloud platform for Farmnavigator products, which allows you to locate your agricultural vehicles and monitor their performance and consumption.
- **Farmnavigator G7 Dataseed:** an innovative system to drive automated inter-row weeders, based on satellite technology without the use of cameras or infrared.

Farmnavigator 4G Agri: the potential of the connected tractor

With **great experience in automotive telematics**, AvMap has transferred its know-how to the agricultural sector, studying a solution dedicated to agricultural vehicles.

"With Farmnavigator 4G Agri we want to equip the tractor with a professional telematics box capable of guaranteeing high quality, reliable telematic services and WiFi connectivity inside the tractor" declares Simone Lazzarini, CEO of AvMap.

4G Agri is a 4G hotspot providing connectivity for the tractor, its tools and accessories; for example, it provides connectivity for RTK receiver corrections or any 4.0 application.

4G Agri is also a powerful telematics box that integrates a complete inertial platform with a triaxial accelerometer and gyroscope, GPS and CANbus connection.

4G Agri includes 1 YEAR of MyFarmnavigator Cloud service to locate agricultural vehicles and monitor their telemetry, performance and consumption (CANbus data) from the office or any mobile device.

4G Agri will be available from 1 December 2021

MyFarmnavigator: the cloud service for smart farming

MyFarmnavigator, a preview at EIMA2021, is the cloud service for agriculture that includes basic localization and telemetry services to connect your farm and switch to Smart Farming.

With MyFarmnavigator (enabled by 4G Agri or by 1Minute RTK receiver) you can:

- **Locate connected vehicles on the map**
- **Monitor the tracks** performed by the vehicles, with their telematics data
- Analyze the **inclinometer data** and receive the **rollover alarm** when a safety threshold is exceeded.
- Analyze the Telemetry with the **CANbus data** of the vehicles.

“With 4G Agri and 1Minute RTK, we are offering one year of MyFarmnavigator cloud service to invite all our customers to experience firsthand the potential of the tractor-office connection. MyFarmnavigator will continue to evolve and will be enriched with more and more services, such as the possibility of sending operating instructions on board the tractor ” declares Simone Lazzarini, CEO di AvMap.

MyFarmnavigator will be accessible from December 1st, 2021

Farmnavigator G7 Dataseed: the innovative system for automated inter-row weeding

G7 Dataseed is a 'Universal' guiding system for automated weeders because it is based on Dataseed technology, without the use of cameras or infrared and this allows to **overcome a series of limitations of the systems based on image recognition:**

The field-tested G7 Dataseed system has proven to be more effective in several situations:

- G7 Dataseed is **effective in any soil condition, from the earliest stages of germination**, but also in cases of **abundant weeds** where camera systems fail because they cannot distinguish between weeds and crops.
- G7 Dataseed is **effective in any weather and visibility conditions**, without problems of humidity, wind and dust that put the cameras in difficulty
- Finally, G7 Dataseed makes automated biological weeding **accessible to everybody, at a fraction of the cost** of image recognition systems. Biological weed control is environmentally sustainable and economically sustainable too!

Developed in Italy by AvMap, in collaboration with the German SatconSystem, the Dataseed technology is based on the faithful reproduction of the seeding track performed by the seeding drill, recorded with a high density of points.

The complete system consists of:

- G7 Dataseed: the powerful onboard computer with a 7" display that records the sowing tracks.
- ECU Dataseed, the controller that moves the mechanical weeder by acting directly on the hydraulic solenoid valves.
- 1Minute RTK: the connected GNSS receiver, with inclinometer and accuracy +/- 2cm

G7 Dataseed will be available from January 1, 2022

GNSS receivers for precision agriculture even on hilly and sloping terrain

Farmnavigator also presents the new **GNSS receivers equipped with an inclinometer** to correct errors due to the slope of the terrain:

- **Turtle Pro2**, with an accuracy of +/- 15 cm,
- **Turtle RTK** with RTK corrections that bring the accuracy to +/- 2 cm,
- **1Minute RTK**, the top of the range, the connected RTK receiver, which offers the complete service.

1Minute RTK installs in one minute and is ready to use because it already includes the connectivity service and **one year of MyFarmnavigator cloud service**. 1Minute RTK not only offers great accuracy for high-precision works, but also allows you to enter the world of smart farming: all vehicles equipped with 1Minute RTK can be located and monitored from the MyFarmnavigator cloud.

Turtle receivers and 1 Minute RTK are ready for delivery.

The evolution of the Farmnavigator range

Farmnavigator is an Italian brand, mainly marketed in Europe, Russia, Brazil, and Australia. G6 Farmnavigator, launched in 2009, was one of the first portable displays for parallel guidance. Over the years, the Farmnavigator family has been enriched with accessories and today includes an auto-steering system, a complete range of GNSS receivers for different precision requirements, and connected devices and services for smart farming.

www.farmnavigator.com

AvMap

AvMap has been the Italian manufacturer of **intelligent electronics since 1994**. In 30 years of activity, AvMap has led the development of GPS technology in every sector of mobility. AvMap was founded in 1994 in Carrara, Tuscany, within the TWS group, which at the time also included the company C-MAP, the world leader in electronic cartography technology. AvMap debuts in the professional aviation market with the EKP, a successful flight navigation system sold worldwide. Soon after, AvMap transfers its experience in electronic cartography from the aeronautical sector to the terrestrial one, becoming a pioneer of satellite navigation solutions and fleet location systems. AvMap's activities then extend to **precision agriculture, automotive electronics, telematics and IoT** in any environment.

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