

## PRESS RELEASE

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### AvMap unveils ISOBoost: the new ISOBUS frontier for soil preparation

#### The Made-in-Italy solution for agricultural implement manufacturers

October 2025 - AvMap, an Italian company with over 30 years of experience in satellite navigation and telematics, will launch at **Agritechnica 2025** the new electronic control unit **FARMNAVIGATOR IsoBoost – Depth Control**, specifically designed for **agricultural implement manufacturers**.

With ISOBoost, any mechanical implement becomes **ISOBUS-ready**, compatible with any tractor and monitor, ready for advanced soil preparation management.

IsoBoost is an **ISOBUS Electronic Control Unit (ECU)** for soil preparation implements, capable of reading analog sensors and controlling proportional or on/off valves. With ISOBoost, the working depth can be precisely and automatically managed according to soil conditions and operator settings.

The result? **Greater precision, uniformity, and optimized resource utilization**, with a significant improvement in seedbed quality.

ISOBoost provides the latest ISOBUS functions for centralized task control, from **Virtual Terminal 3.0** to **Task Controller for variable-rate prescription maps (ISOXML)**. It represents a **comprehensive solution for integrated soil preparation management**, simplifying operator tasks and increasing overall farm efficiency.

ISOBoost allows you to **monitor the instrument remotely**, thanks to the automatic **real-time transmission of telematics data** such as **position, working hours and total hectares** to a dedicated cloud portal, also providing support for maintenance, warranty and remote assistance services.

A **Made-in-Italy solution** that combines innovation, reliability, and **cybersecurity by design**, dedicated to manufacturers who want to deliver implements ready for the digital farming era.

#### Key Features of ISOBoost

- **OEM-ready solution** for integration on disc harrows, weeders, soil preparers, and plows.
- Automatic depth monitoring and control.
- **Virtual Terminal 3.0** and **ISOXML Task Controller** for centralized operation.
- Implement-to-office interconnection with automatic data transmission of telematics data to the cloud
- Built-in connectivity (1 years / 1000 hours) with **MyFarmnavigator** web portal.
- Wireless updates.

## Technical Specifications

ISOBoost integrates advanced position sensors (3-axis accelerometer + gyro), embedded GNSS GPS+GLONASS antenna, Bluetooth, 4G modem with embedded SIM and roaming. It features one serial RS232 connector and two CANBUS connectors, 4 analog and 2 digital inputs, 4 power PWM and 2 dry-contact outputs for flexible implement control. Communication with the tractor via ISO11783-2 ISOBUS standard cable.

**AvMap and the FARMNAVIGATOR brand invite you to discover ISOBoost in preview at Agritechnica 2025 – Hall 21, Stand A33.**

## AvMap: A Mission Dedicated to Innovation

AvMap, a **pioneer in GPS navigation since 1994**, has invested in precision agriculture for over 15 years, launching the **FARMNAVIGATOR brand**, now distributed in more than 30 countries. This comprehensive range of solutions includes displays for assisted driving, ISOBUS terminals, intelligent antennas, automatic guidance systems, telematics devices, and a cloud platform for synchronizing and analyzing collected data.

FARMNAVIGATOR products integrate cutting-edge technologies, often developed in other sectors in which the company operates. AvMap's mission is to improve safety and efficiency in every aspect of mobility through electronic design and the provision of innovative telematics services. With **over thirty years of experience** in the market, AvMap applies technological advances to **various sectors: aeronautics, military, automotive, recreational boating, precision agriculture, waste collection, and smart cities.**

Part of AvMap's business is also oriented towards **OEMs, for which it designs and manufactures in Italy** according to international quality standards and the latest cybersecurity certifications.

AvMap srl recently obtained **ISO/SAE 21434 – Cybersecurity for Road Vehicles certification from DNV**, an international standard developed to ensure cybersecurity in vehicle electronic systems, including agricultural machinery.

This certification marks a key milestone in AvMap's vision of a **digital, safe, and sustainable agriculture**, where technological innovation goes hand in hand with the protection of digital infrastructures and sensitive data.

## For more information:

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