

Platform for autonomous, assisted and remote driving of agricultural equipment

NAVIGATION SYSTEMS

Integrated on the vehicle:

- LTE and Wi-Fi redundant communication modules
- Navigation systems to control the stability and direction of the vehicle
- High-precision rtk GPS systems (up to 30 cm) with protection from electromagnetic fields induced by the motor vehicle and any exogenous disturbances in order to better manage magnetic orientation.

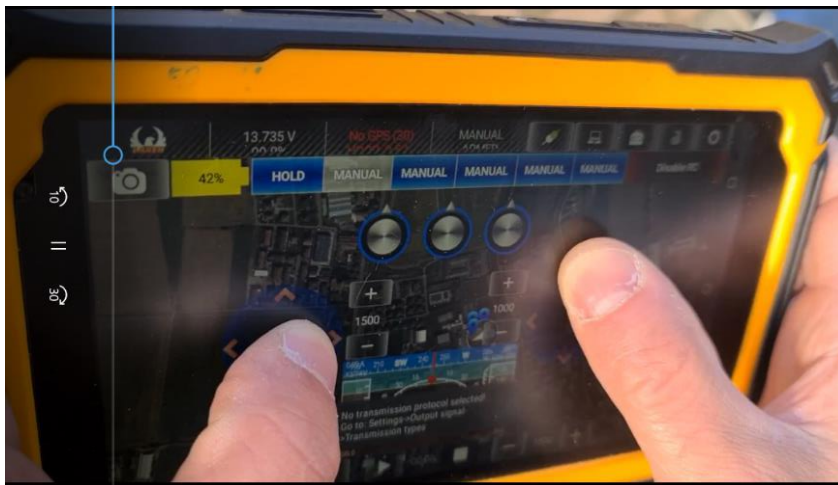


MANAGEMENT/CONTROL SYSTEMS

The technology platform is supported by - PCs - tablets - 3D viewers

for:

- The scheduling of vehicle activities in the work areas
- Geolocation control in real-time
- Remote semi-automatic driving interventions and operation
- Real-time control of the parameters of the vehicle and equipment in use.



SCALABLE ARCHITECTURE

The technology platform consists of the integration of different modules and technologies that can be customized according to the specific needs of the vehicle to be managed.

It consists of two main 'cores' that allow for step-by-step augmentation of more complex navigation functions:

1 - NAVIGATION MODULE.

KIT for remote tele-assisted driving, activity tracking, anti-theft system, anti-collision/security system.

2 - ARTIFICIAL INTELLIGENCE MODULE

KIT for automatic navigation with integration of geo-referenced work programs that can be customized according to the type of activity. Modules can be provided on annual renewal license.

