8×8 AGV

A self-designed 8×8 AGV. Each wheel has an independent traction and direction, these features make the vehicle capable of move in almost any environment.It is controlled by a Pixhawk(Px4) autopilot.His design is thought out to can hold a variety of payload, for example a lidar or a terabee laser sensor. Up to 6kg can be carried.

Key Features

- Speed: 30km/h
- Endurance: 30 minutes
- Weight: 10kg
- Autopilot: Pixhawk
- Payload: +6kg

Possible Applications

- Autonomous path following and creation
- Mapping of zones
- Exploration of difficult access terrain
- Transport of tools and aerial robots

Access information

Corresponding infrastructure	Universidad de Sevilla Robotics, Vision and Control Group
Location	Camino de los Descubrimientos, 41092 Sevilla, Spain
Unit of access	Working day

Technical specifications

Payload	6kg
Embedded sensor	Lidar
Power supply	4S LiPo
Weight	10kg
Autopilot	Pixhawk
Endurance	30 minutes
Speed	30km/h