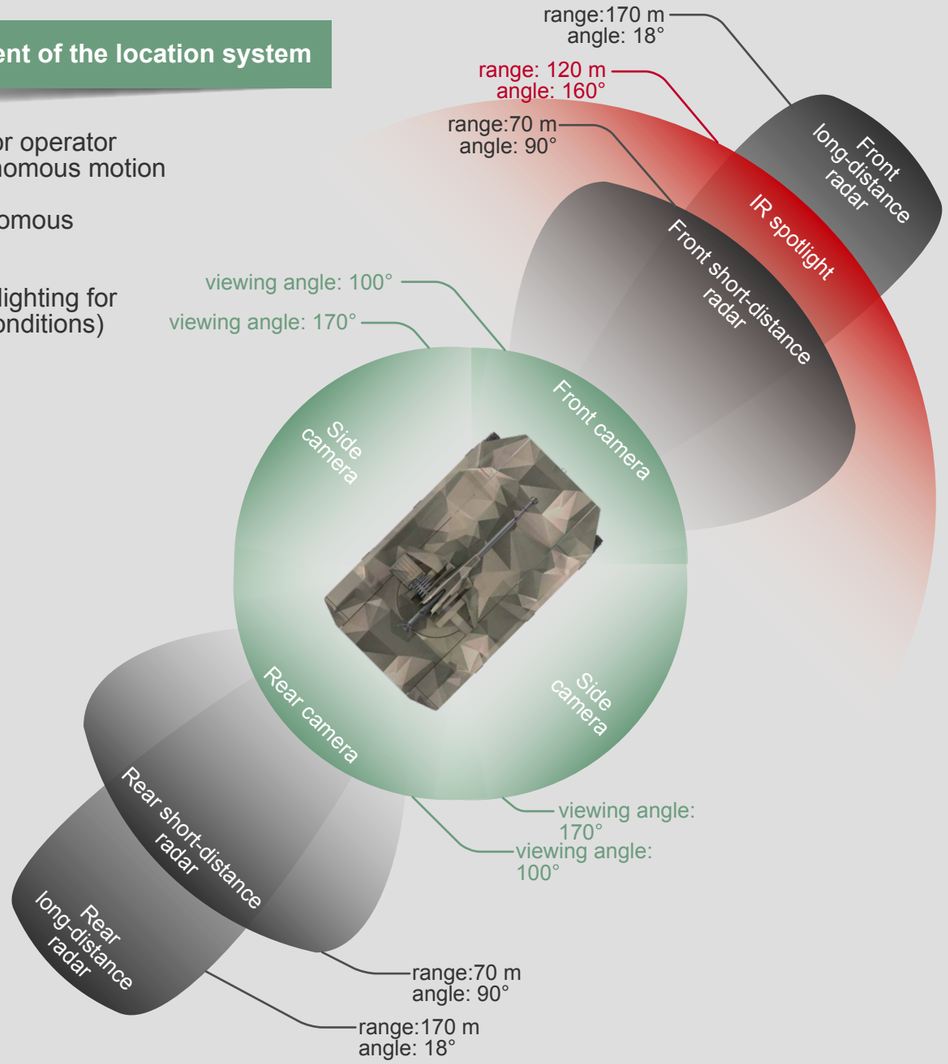
TECHNICAL CHARACTERISTICS OF THE PLATFORM	
Nonimation	Values
Chassis	2 x 6
Power unit, kW	2 * 5
Unit capacity, hp	20
Power supply voltage, V	48
Drive	electric + RANGE EXTENDER (diesel generator)
Battery capacity for power supply, A / h	2 * 60
Actual control range, km	up to 5 km
Communication channel,	WiFi 5 GHz, Private LTE (optional)
Operating temperature, C°	from -25 to +60
Degree of protection	IP65
Weapon caliber, mm	12,7
Platform body material	steel, 2 mm
Overall dimensions of the platform (W x H x D), mm	1400x1600x80
Clearance, mm	140
Platform weight, kg (without weapons and ammunition)	370

Equipment of the location system

Video cameras for operator control and autonomous motion

Radars for autonomous motion

IR spotlight (highlighting for moving in dark conditions)



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UNMANNED GROUND VEHICLE

UNMANNED ROBOTIC PLATFORM – ROBOT CARRIER SCORPIO 3

TEMERLAND
military solutions

UNMANNED ROBOTIC PLATFORM – ROBOT CARRIER SCORPIO 3

The new unmanned elaboration Scorpio 3 is a multifunctional robotic platform with the following functionality:

- robot carrier for 2 robots-satellites (gnomes)
- drone thrower - base point for aircraft (drones)
- a platform for installation of an automatic turret
- tractor for cultivation of agricultural lands

One of the main functions of the mobile ground platform Scorpio 3 - a robot carrier for robots-satellites

Scorpio is equipped with elevators for two robots - satellites. The satellites perform monitoring and repeater functions to increase the communication range between the operator and the parent unmanned robotic platform.

The elevators are mounted on the back of the platform and perform the function of lifting / lowering and transporting satellites. Elevators are controlled remotely from a portable control panel.

Scorpio 3 – drone thrower

Designed as a ground platform for aircraft bases and is an installation, a kind of base and thrower of aircraft - drones, bionic birds - robots SmartBird.

After launching from the ground platform, the drone performs its functions - connection, reconnaissance or strike. Recharging of such drones when performing tasks is carried out on power lines.

The drone thrower is mounted on the upper part of the platform and has a 360 degrees rotation function. The drone thrower is controlled remotely from a portable command control panel.

Scorpio 3 is equipped with an automatic turret

A multifunctional tool of fire support and reconnaissance military company level - a battalion for the protection of perimeters and borders.

- provides fire maneuver
- used to reinforce a platoon (unit) with a machine gun / grenade launcher on a mobile platform
- builds a more effective line of fire with active defense of the company in the presence of three or more units of this equipment

Using of Scorpio 3 in peacetime

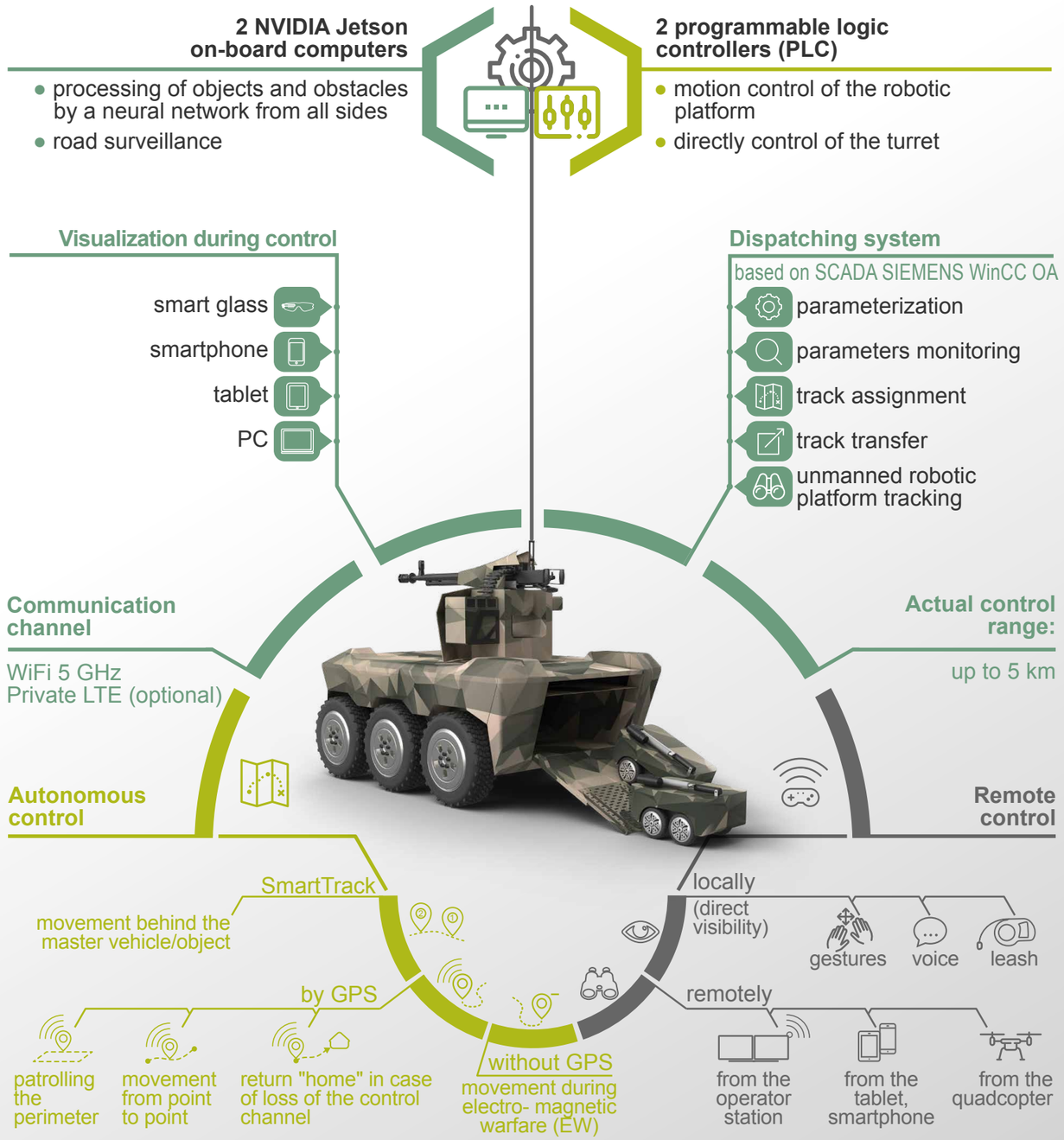
It is a "tractor" of a plow for cultivation of agricultural lands. Due to its maneuverability and small size it will be irreplaceable for processing small fields and hard-to-reach areas.

The using of electric traction instead of fuel will contribute to the economically rational use of this platform by farms.

Scorpio robotic platform control system 3

2 NVIDIA Jetson on-board computers

- processing of objects and obstacles by a neural network from all sides
- road surveillance

2 programmable logic controllers (PLC)

- motion control of the robotic platform
- directly control of the turret