BASTION TECH



ONAGER-01

UGV

Tracked

robotic

platform

+ Delivery of loads from 200 kg and casualty evacuation, controlled via satellite link

MOBILITY

DAY AND NIGHT

RANGE

+ **Payload from 200 kg**

+ **4 independent comms channels**

+ **Range up to 60 km, standby up to 48 hours**

Overview

ONAGER-01 is a tracked unmanned ground vehicle. It delivers loads from 200 kg and evacuates the wounded and fallen where it is dangerous for people and wheeled vehicles, and is remotely controlled over four independent communication channels.

The primary channel is satellite with no range limit; backups are LTE up to 5 km (20 km with a repeater), an 868-915 MHz radio link up to 4 km and a 2.4 GHz handheld controller for close-in work. Losing one channel does not stop the mission.

The electric drive with two brushless motors runs quietly and gives a range of up to 60 km on roads and 50 km off-road, with a 25 km tactical radius. On standby the platform stays ready for up to 48 hours. Front and rear infrared cameras allow day and night operation.

From loading to delivery

1. **Loading**
   A load from 200 kg or a casualty is placed on the platform.
2. **Route**
   The operator drives the platform over the satellite link; GPS, GLONASS, Galileo, BeiDou navigation with compass.
3. **Movement**
   Up to 12 km/h on roads and 10 km/h off-road: slopes, trenches, steps, fords.
4. **Observation**
   Front and rear 1080p IR cameras; via microphone and speaker the operator talks to people at the platform.
5. **Delivery**
   25 km radius; if a channel is lost, a backup takes over.

+ Loads and casualties are moved without risk to the crew



Functional description

ONAGER-01 UGV

Comms: 4 independent channels

- Satellite - primary, no range limit
- LTE - up to 5 km, 20 km with a repeater
- 868-915 MHz radio link - up to 4 km
- 2.4 GHz handheld controller - close-in work

Observation and navigation

- Front 1080p IR camera, 30 m illumination, microphone and speaker
- Rear 1080p IR camera
- GPS, GLONASS, Galileo, BeiDou navigation with compass

Drive and mobility

- Tracked electric drive, two brushless motors
- Slope 25°, roll 30°, step 200 mm, trench 0.25 m, ford 0.3 m
- Operates from -10 to +40 °C, wind up to 20 m/s, snow, rain, fog



ONAGER family and modules

Specifications of the wheeled variants and attachments are available on request.

- The BTEW-System X8 C-UAS EW system mounts on the platform - only the mounting changes
- Wheeled platform variants
- Trailer-towing variant
- Mine-clearance attachment

Customers

Ministries of defence	Other government agencies

Key advantages

01
Payload from 200 kg

Ammunition, equipment, water, medical supplies.

02
Evacuation

Removal of wounded and fallen without risk to the crew.

03
4 comms channels

Satellite, LTE, radio, handheld controller.

04
Day and night

Front and rear IR cameras, two-way voice.

05
Range

Up to 60 km on roads, standby up to 48 hours.

06
Modules

BTEW-System X8 EW, trailer, mine clearance.

Delivery set

- ONAGER-01 platform
- 2.4 GHz handheld controller

ONAGER-01 - delivery of loads and casualty evacuation under fire without risk to people, with four independent communication channels.

Contacts

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