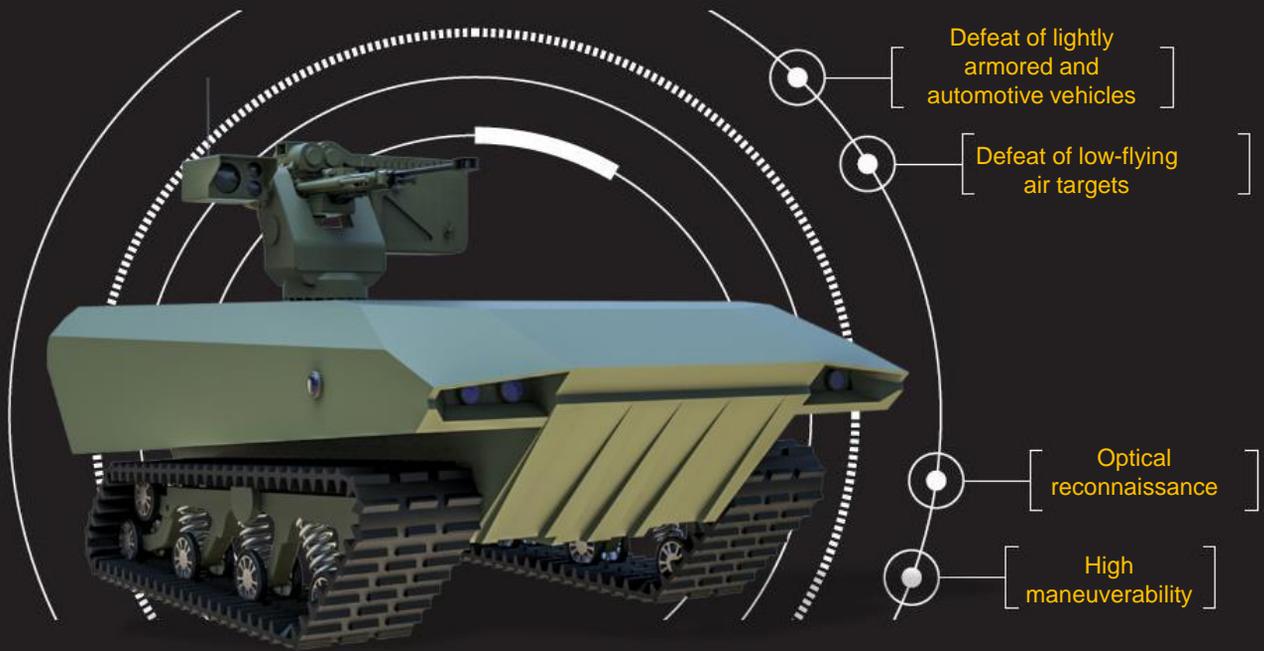


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# VALKYRIE

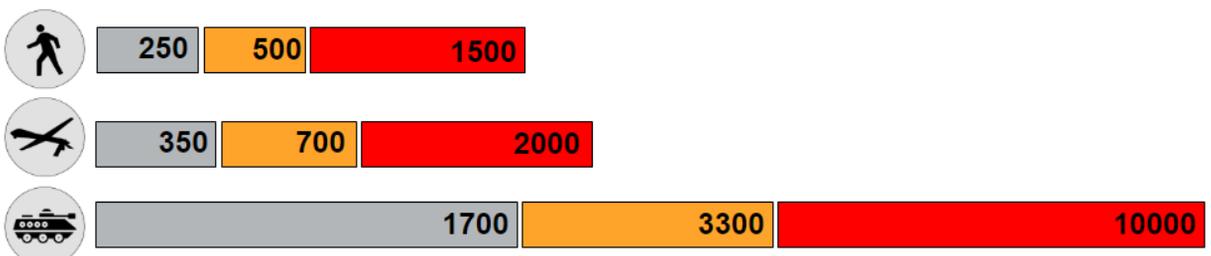
## COMBAT ROBOT

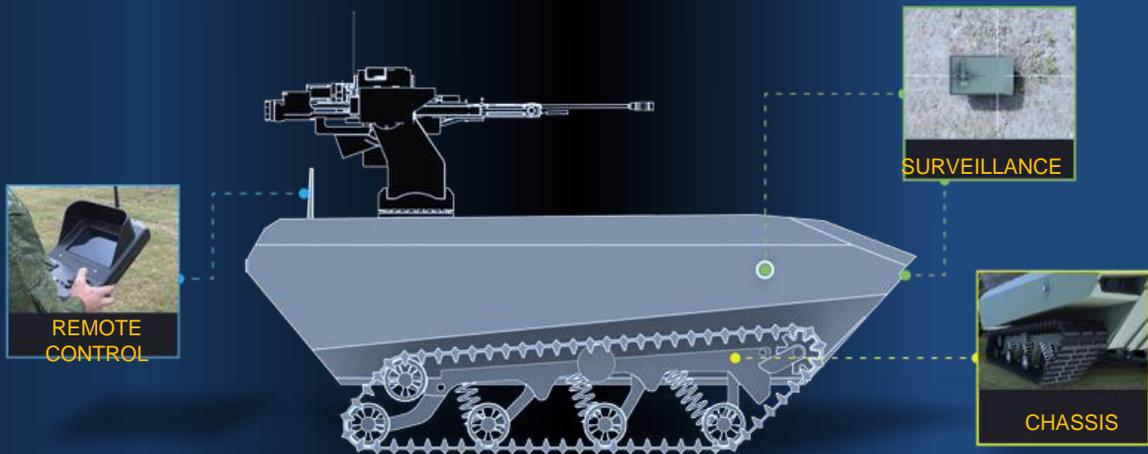
«VALKYRIE» combat robot performs optical reconnaissance, fire cover and defense of important stationary objects, fire support of ground assault groups.

Due to the highest precision of guidance and automatic tracking of targets, the robot quickly and effectively defeat unmanned aerial vehicles at slant distances of up to 1000m, as well as lightly armored vehicles, fire emplacements and enemy manpower at ranges of up to 2000m.

Weapon: **12.7x108**  
 Rate of fire: **650 RPM**  
 Travel speed: **30 km/h**  
 Endurance distance: **300 km**  
 LOS control distance: **5000 m**  
 Type of control: **Radio channel**  
 Operating time in passive mode: **24 h**  
 Operating temperature: **-35°C...+55°C**

Weight: 1500 Kg  
 Length: 2850 mm  
 Width: 1700 mm  
 Height: 1600 mm





**SURVEILLANCE SYSTEM:** For direction finding in movement there is a surveillance system for the driver on a combat robot (2 television and 2 thermal vision front cameras) and the circular vision system (4 television cameras: behind, in front, on the right and on the left).



**CHASSIS:** Autonomous lever-spring type suspension has several advantages:

- reduction of weight
- prevention of synchronized oscillations
- reduction of roll
- reduction of the risk of side skidding.



**REMOTE CONTROL:** Remote control is carried out through the use of remote or stationary panel at distances up to 5 km with the display of the exact position of the robot, speed and its direction, as well as monitoring the status of all modules and systems included in its composition.

The chassis ensures maneuverability of the robotic platform and quickly adapts when moving from a dirt road to the marshland or water. Autonomous control of caterpillar bands ensures on-site turning, reducing the turning radius to zero. The possibility of various configurations of the caterpillar bands allows for increased maneuverability in specific climatic conditions, and high ground clearance - maneuverability in difficult terrain, including in urban environments.

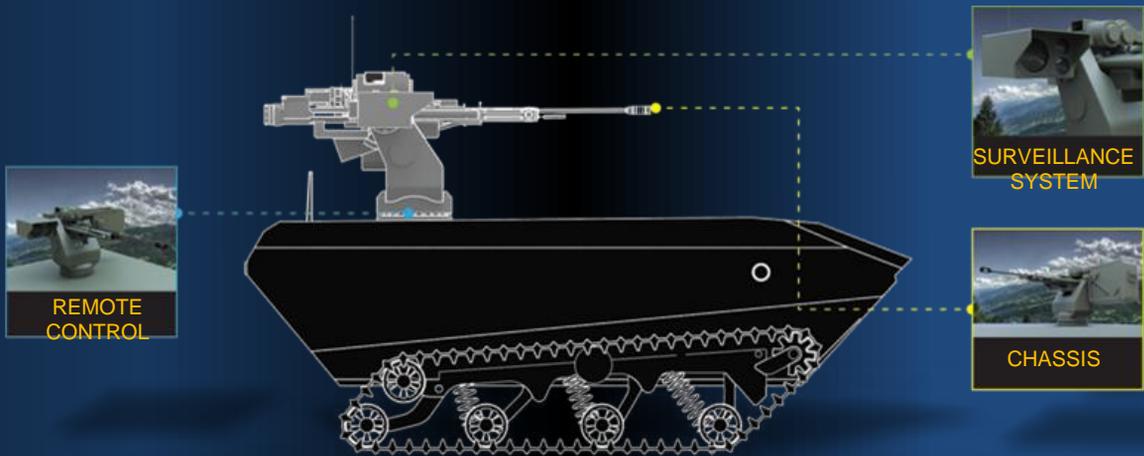
The remote control is carried out at a distance of up to 5000 m, that makes it possible to safely control the robot in reconnaissance and combat operations.

- Travel speed: **up to 30 km/h**
- Afloat speed: **up to 4 km/h**
- Clearance: **300 mm**
- Endurance distance on gasoline generator: **300 km**

Operating time in stand-by mode:

- battery: **24h**
- gasoline generator: **72h**





**GUIDANCE SYSTEM:** Optical guidance system allows around the clock in a passive mode to detect air and ground targets in a wide field of view. Advanced software automatically lock-on the target and calculates its parameters for accurate destruction.



### THE KORD HEAVY MACHINE GUN

The heavy machine gun provides:

- defeat of low-flying UAVs and helicopters
- defeat of lightly armored and automotive vehicles
- defeat of manpower, both open and closed in shelters of light type
- fire support under the action of ground assault groups



**ROTATING PLATFORM:** The rotating platform with a circular rotational range of 360 ° and elevation from -20 ° to 60 ° provides a high speed of guidance and the possibility of firing in motion. The turret of the robot is an independent combat unit and can be used autonomously as a stationary fire emplacement.

### Description

Rotating platform in combination with a high damaging ability of weapons and built-in ballistic calculator ensure reliable opposition to the enemy.

A modern optical system installed on a combat robot as a guidance device allows to detect air and ground targets around the clock in a passive mode in a wide field of view. Advanced software automatically lock-on a target, identifies it by target type and gives all coordinates to the control panel.

Receiver resolution TV channel: **1600x1200**

Receiver resolution IR channel: **640x480**

Narrow field of view: **12°x9°**

Wide field of view: **36°x27°**

Frame rate: **30 Hz**

Battery/Power: **12V**

Power consumption: **120W**

