

# WOLF R1

Tactical Response Robot



SERVING HEROES. SINCE 1864

ООО «ТИ-СИСТЕМС» ИНЖИНИРИНГ И ПОСТАВКА ТЕХНОЛОГИЧЕСКОГО ОБОРУДОВАНИЯ

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 **MAGIRUS**

## A new approach to mission support

For firefighting and recovery operations as well as emergencies in the municipal or industrial sector, speed, safety, and flexibility are crucial. This is precisely where the Magirus Wolf R1 comes in. The tactical response robot allows emergency forces to remain outside the danger zone in conditions of hazardous material exploration, danger of collapse or intense heat development, while persevering on the spot with utmost precision. Specialised camera systems ensure that the operations command is always supplied with the latest live images and videos, while the fully electric drive moves the Wolf R1 purposefully and quietly on the most difficult surfaces and allows it to act flexibly, e.g. via robot arm.

## Powerful chassis

- **Weight** up to 900 kg (depending on equipment)
- **Dimensions (L x W x H)** approx. 1,500 x 1,200 x 1,300 mm
- **Engine** 2 drive motors á 7.5 kW with 1,050 Nm torque
- **Tractive force** up to 4 t
- **Battery**
  - 8.8 kWh lithium-ion battery
  - maximum operating time due to simple battery change without tools
  - batteries with self-managing temperature management system

## Modular equipment concept

- **Camera systems**
  - 4 static directional cameras
  - optional: 2 dynamic cameras for normal & thermal image transmission (0° to +/- 180° tiltable)
  - optional: 360° tower camera with normal/thermal image (0° to +/- 90° tiltable)
- **Spotlight**
  - 6 LED spotlights with 1,800 lumens each aligned in the direction of movement, optionally up to 12 pieces
  - powerful LED ambient lighting
- **Control** via remote control with a range up to 150 m and/or from a system carrier vehicle via Magirus TacticNet with a range up to 2,500 m (WLAN-based)
- **Water/foam monitor** up to 2,000 l/min at 10 bar (optionally expandable)  
throwing distances: approx. 65 m water, approx. 45 m foam
- **Cable winch** approx. 2.4 t tractive force; extendable claw support for a safe stand for winch operation in connection with large loads

## A wide range of options for every requirement

- optimal in conjunction with the Magirus TacticNet mobile tactical operations network
- drone escort with thermal image transmission for the best possible overview of the entire operational area
- remote manipulator, e.g. for work and sampling at a safe distance
- raman spectrometer for the detection of hazardous substances with remote-transmission capable evaluation
- circumferential, robust hollow frame with application nozzles for self-protection: approx. 50 l/min at 10 bar
- attachable large fan unit with a circulation capacity of 220,000 m<sup>3</sup>/h
- trailer coupler
- further equipment options upon request



The Wolf R1, in conjunction with the TacticNet mobile operations network, offers the optimum solution for complex situations.



Compact, manoeuvrable, and robust: the Wolf R1 is versatile and safe to use.



Thanks to its comprehensive equipment, the Wolf R1 is a real multi-tool.