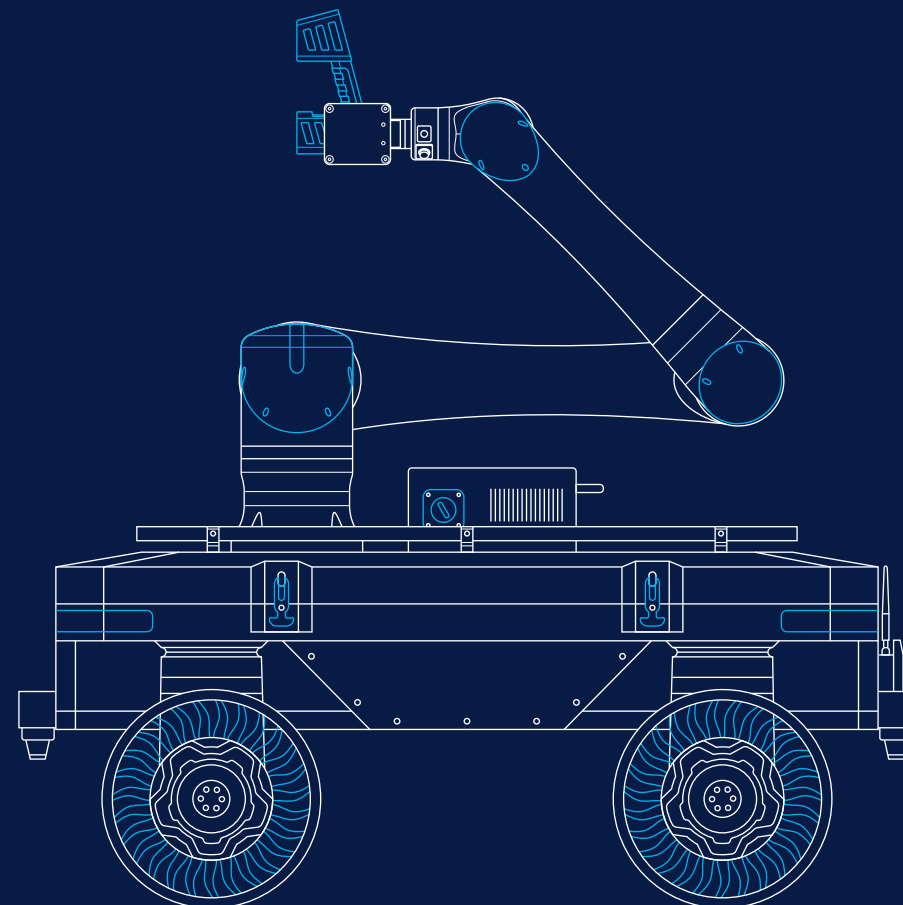




ROVER

MULTI-PURPOSE AUTONOMOUS
MOBILE ROBOT



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In collaborazione con:

FANUC

CAEN
Tools for Discovery



SIGMAINGEGNERIA

ROVER

DESCRIPTION

The Rover by Sigma Ingegneria is an **AMR** (Autonomous Mobile Robot) with **autonomous navigation** capability, efficient and safe. The system is capable of performing advanced tasks and being used in complex scenarios, both **indoors** and **outdoors**, allowing the integration of sensors and multi-purpose work tools.

discover more
ROVER DATASHEET



CORE FEATURES

TECHNICAL INFORMATIONS

- 4 wheel drive - 4 wheel steering
- 18" Michelin airless tires (high durability and maintainability)
- Safety sensors on-board
- Compliant with CE Machinery Directive
- High efficiency Lithium-Iron-Phosphate battery with dedicated charging station (optional wireless)
- Remote control system with Wi-Fi/4G connectivity
- Teleoperation with portable control station
- Autonomous driving system based on maps or with exploratory navigation

Field of application:

- Risk Management (nuclear, chemical, civil protection)
- Logistics 4.0
- Industrial monitoring
- Extreme environments
- Robotic construction
- Autonomous driving system based on maps or with exploratory navigation

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RADIATION MEASUREMENT SENSOR

The demonstrator presented at the **World Nuclear Exhibition**, created in collaboration with **CAEN** and **FANUC**, integrates a six-axis anthropomorphic robotic arm equipped with a **RadHAND** Spectroscopic Radiation measurement sensor.

The collaborative system finds its application in the field of nuclear decommissioning and **monitoring of radioactive waste**.

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RADHAND 600

