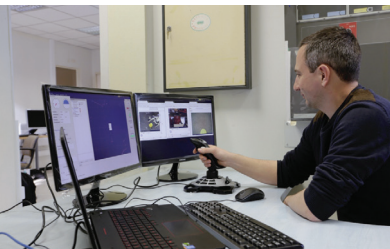
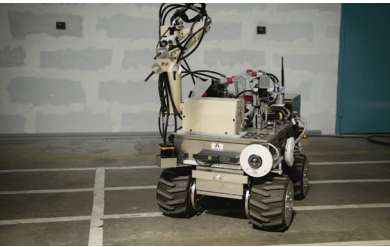
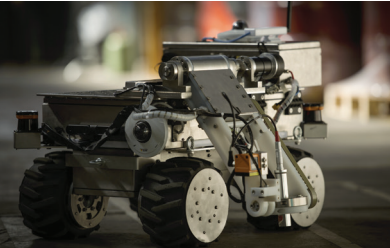


Remote physical and radiological investigation



Scope

Ground-level radiological mapping module which allows for the automatic positioning and manual adjustment of probes

- Measurement of dose rate, surface contamination and gamma spectrometry
- Rapidly interchangeable probes

Remotely controlled arm with 3 degrees of freedom which can be used to take solid samples and perform radiological mapping of walls and equipment

- Interchangeable grippers for moving objects and measuring probes
- Camera and lighting positioned at the end of the arm

Module for taking liquid and powdery samples

- Collection of 3 liquid or powdery samples (50 cm³ max.) and in situ dose rate measurement
- Visualization of the fill level of vessels and monitoring of the aspiration phase

Mapping module

- Real-time 2D map construction and accurate positioning of measurements
- Possibility of defining a safety perimeter making it possible to slow down then stop when approaching an obstacle

Advantages

- **SIMPLICITY**
Easy and intuitive to control, both indoors and outdoors, thanks to the control joystick
- **MODULARITY**
Quick to change measurement modules and take samples
- **ACCURACY**
Positioning in its environment and construction of an accurate 2D map of measurements and samples taken
- **TRACEABILITY**
Automatic recording of measurements which can be exported for use in post-processing
- **SAFETY / RADIATION PROTECTION**
Remote-controlled by the operator

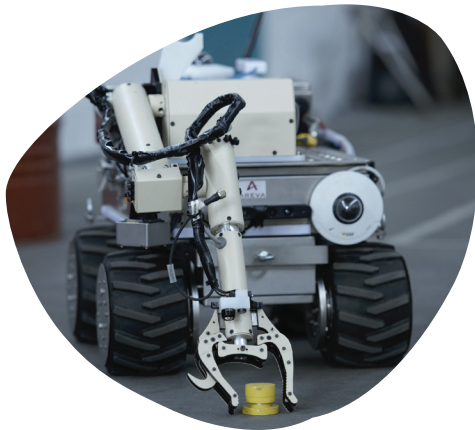
Key data

- **Dimensions :**
Length = 775 mm
Width = 540 mm
Height = 560 mm
- **Weight:** 65 kg
- **Load capacity:** 65 Kg
- **Maximum speed:** 3 m/s
- **Ingress Protection rating:** IP54 Autonomy > 2 hours
- **Clearance:** 120 mm

Modular and wireless mobile robot that can be used to carry investigation modules adapted to meet operational needs

Our services

- **Comprehensive service for the compilation of input data**
- **Inspections conducted on your premises by an experienced team in close collaboration with your own teams**
- **Provision of data** (radiological and physical readings/measurements), which remain **your property**



Robotics pack consisting of RIANA™ and DORICA™ selected as winner in 2016 WNE Awards (in the nuclear safety category)



Watch our presentation video for RIANA™

Our references

2015

- One set of equipment delivered to CEA Marcoule (as part of the intervention units pack)



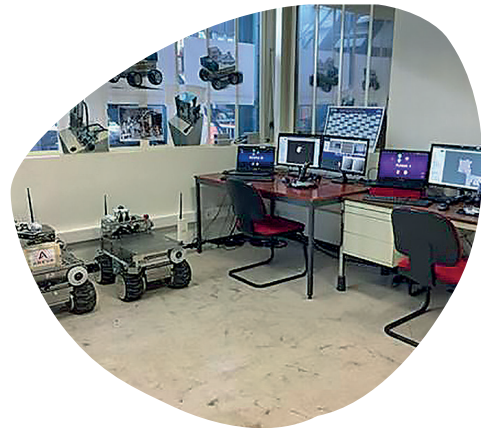
2016

- A second set of equipment, identical to the first one, delivered to CEA Marcoule for the purposes of providing a communications relay



2017

- A full set of equipment supplied to Orano's National Response Force FINA (Force d'Intervention Nationale)



Orano DS

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