

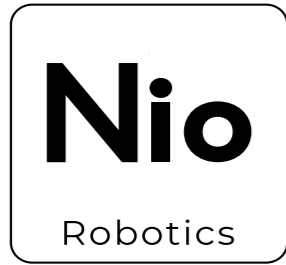
presents



« Industrial **inspection & maintenance** robot »

TARGET ECONOMIC SECTORS





« We give **meaning**  
to **robotics** »

### USE CASES



Inspection of the RIC circuit in a nuclear building while the reactor is in operation



Automated mission at a nuclear waste storage facility



Inspection and maintenance of metallic structures



Automated incident detection patrol



Radiation detection in the dismantling zone of nuclear buildings

### TECHNICAL INFORMATION

#### GENERAL INFORMATION

Dimensions (Rover mode)	70cmx70cmx70cm
Weight	75kg
Ingress protection	IP67
Telecommunication	Real-time transmission via Wi-Fi, 4G/5G, Mesh Radio
Battery	90 minutes on a full charge
Cybersecurity	CEI 62443
Security	Failsafe positions - Emergency stop

#### ADVANCED PAYLOADS

Video camera	1080p 60fps - 8MP - 4K @ 30 fps
Thermal camera	+2°C (-20 +550°C)
Mapping and navigation	Lidar 3D
Radiation detector	Alpha & Gamma & Beta
Acoustic detector	Sound or ultrasonic sensor
Gas detector	CO2, H2S, O2, C6H6, CH4, VOC, N2

### MOBILITY & POLYMORPHISM



SNAKE Mode



ROVER Mode

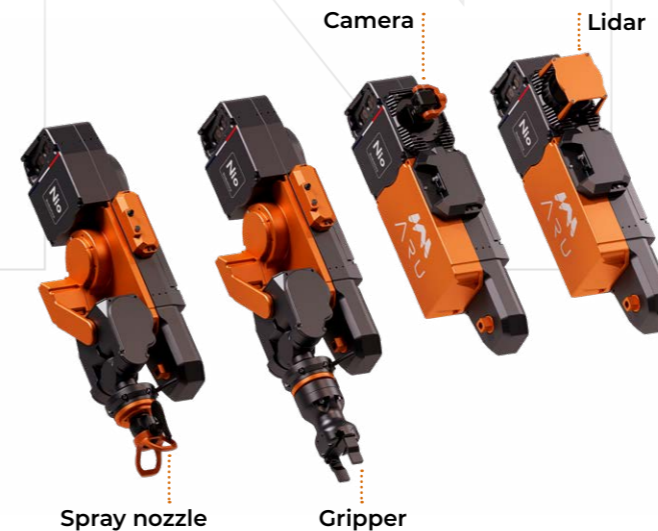


QUADRUPED Mode



TRIPOD Mode

### INTERCHANGEABLE PAYLOADS



#### LOCOMOTION

Step	25cm
Diamond	60cm
Snake	40cm (pipe)
Rover	1,5m/s
Slope	45°
Gap	30cm
Lift	10 kg at 1m60 height 15 kg at 80cm height
Carry	100 kg in Rover Mode



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your **missions** »



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our robot. Tested in your  
environment, Aru is  
specialized to meet your  
needs for a tailor-made  
solution.

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