



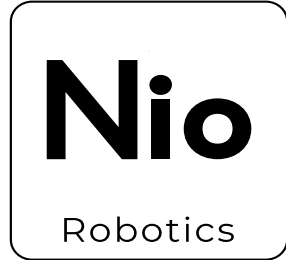
presents



« 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



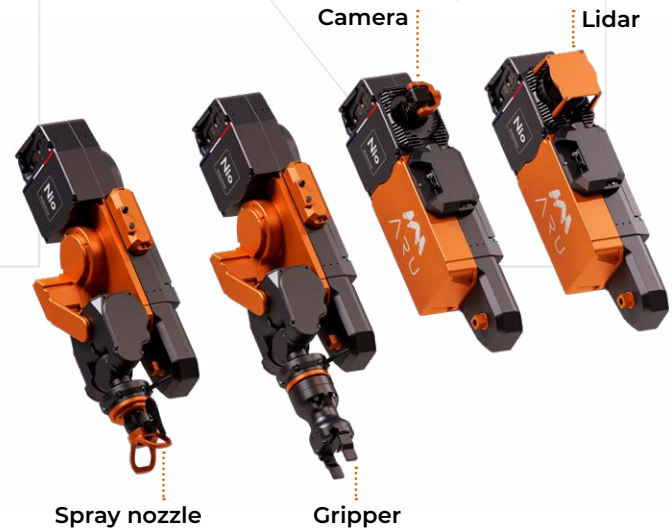
ROVER Mode



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



« **Partner** in
your **missions** »



**Join the Early Adopter
Program and
co-develop Aru !**

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

Join us now !



First robot sold to EDF

YOUR MISSION PARTNER



AGENCE
INNOVATION
DÉFENSE



NAVAL
GROUP



i-Lab

nio-robotics.com