

ALWAYS EVOLVING.

Robotized Inspection and Maintenance.

Thanks to its precision sensors, the Inspector gathers data with unprecedented versatility and objectivity, exceeding a human operator in many ways. It takes ultra-high-definition photos and videos, records sounds, detects gas leaks through thermography and oversees its environment with a 3D LIDAR scanner.

Advantages of Deploying Robots.

Taking men out of harm's way & ensuring the highest standards of HSE



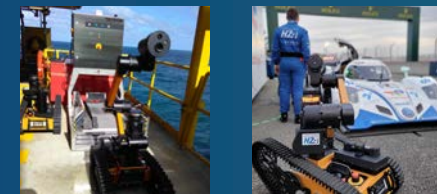
Optimizing production costs & asset uptime



Reducing emissions to the environment



Inspecting, gathering and analyzing data 24/7



Combined knowledge in collaboration with



Specifications.

General Dimensions 1000 x 594 x 766 mm Weight 80,0 kg Speed 0,45 m/sec Long Arm 4 DOF 1640 mm height	Sensors Camera 4x 2K for 360° view 1x 4K in arm Navigation 3D LIDAR Audio Microphone Optional Thermal Camera Multi Gas Sensor Zoom Camera	Safety ATEX Zone 1 Rating SIL2, PL-d On-board Safety Controller Signaling Safety light on the top of the sensor tower
Environment Climate -20° C to +60° C IP67 Surface Grated Floors Concrete, Grass Gravel, Sand Ramps Stairs (up to 45°)	Battery Running 150 min. Charging 20-80% in 45 min. 100% in 80 min. (Charging in ATEX Zone 1)	Site Requirements Connection 4G or WiFi Power 100 - 240 VAC 50/60 Hz max 6 A Purging Gas Nitrogen



Our other robots.

operator

The world's strongest manipulation and inspection robot for the energy industry.



gasfinder

Reliable, specialized and fast to identify even the smallest methane leaks.



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TAUROB
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NEW EDITION

inspector

Advancing robotics. Saving lives.

THE WORLD'S TOUGHEST DATA GATHERING ROBOT.

Safety above all.

Thanks to its PL-D certified safety controller, the Inspector conforms with ATEX and safety of machinery standards for minimizing the risk of personal, plant and environmental damages.



Everywhere. Every condition.

Built for the extreme, the Inspector serves dutifully in harsh industrial environments, explosive atmospheres, adverse weather conditions and all sorts of terrain.



Automated analytics.

The Inspector is able to interpret data in real-time using cloud or on-premise servers and its flexible API seamlessly connects directly to the client's digital twin, 3rd party analytics tools or fleet management solutions.



High reliability & availability.



Inspection & maintenance expertise.



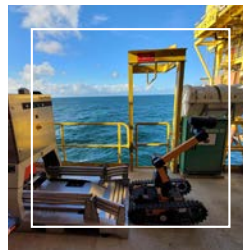
Ready and certified for explosive environment.



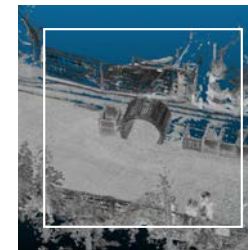
New polyurethane tracks with increased durability.



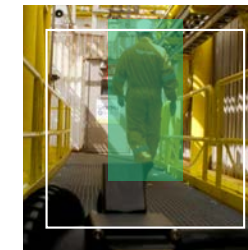
Operations on unmanned installations.



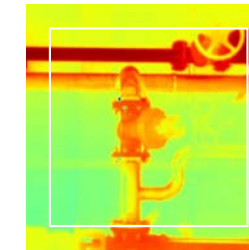
2D and 3D scanning, data cloud.



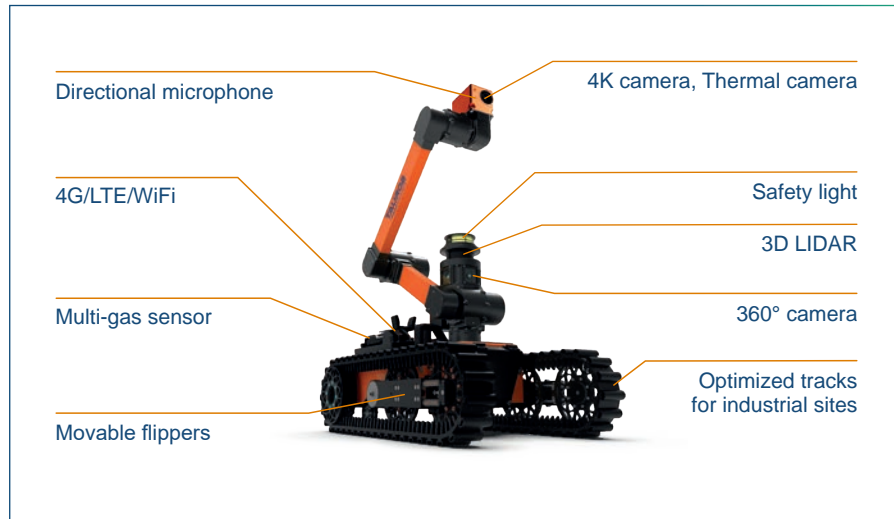
Obstacle avoidance.



Gas leak, liquid and temperature detection.

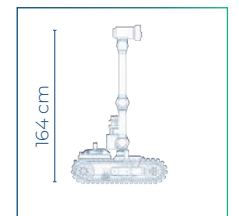
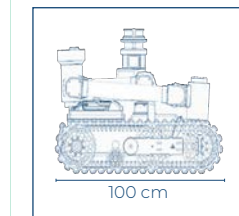
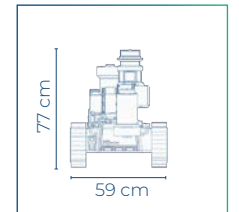
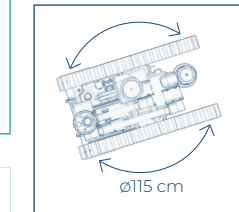


Seamless 3rd party software integration.



Docking in ATEX zone.
Autonomous robot docking, re-pressurizing and charging in ATEX zone.

EasyDrive EasyMission.
Remote mission settings via app over WiFi or 4G connection.



3rd party integration.

Human-like perspective.

4 joint long arm to inspect Points of Interest designed for a human perspective.

High mission endurance.

2,5 hour mission time and 20-80% recharge in 45 minutes in ATEX zone.

Tackling multiple floors.

Climbing and descending industrial stairs of up to 45° inclination.

High and low temperatures.

Carrying out missions in up to +60°C and -20°C temperatures.

Beyond any obstacle.

- All directions (360°)
- Stairs (up to 45°)
- Step (25 cm)
- Slope (up to 45°)
- Gap (25 cm)
- Obstacle avoidance
- Uneven terrain

Take a 360° tour

Skillful inspection.

Teleoperation	Autonomous Inspection	Data Acquisition	Data Processing
First eyes on scene	Mapping and teach-in of POIs	4K Photos / Videos	In Cloud or on Edge
Fast incident response	Data gathering missions	3D LIDAR scans	API for client system integration
Manual inspection	Anomaly detection	Audio clips	3rd party apps: Dial Gauges, etc.
Spill monitoring	Obstacle avoidance	Thermography	360° Photos / Videos
Site surveying	Stair climbing	Point clouds	Gas sensor data