



THE TAUROB INSPECTOR

THE WORLD'S MOST VERSATILE
DATA COLLECTING ROBOT

TAUROB INSPECTOR



ROBOTIZED INDUSTRIAL OPERATION, INSPECTION AND

Built for the extreme. To serve dutifully in harsh industrial environments, explosive atmospheres and adverse weather conditions. Thanks to its precision sensors, the Taurob 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



Take men out of harm's way & ensure the highest standards of HSEQ



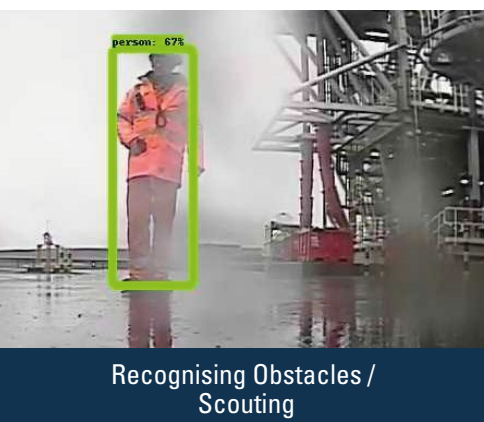
Optimize production costs & asset uptime



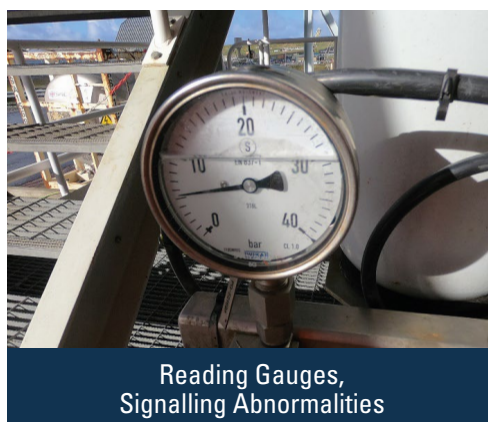
Reduce emissions to the environment



Inspect, maintain, manipulate and gather data 24/7



Recognising Obstacles / Scouting



Reading Gauges, Signalling Abnormalities



360°Images and Video / 3D LIDAR Scanner

What the Taurob Inspector can do



TASKS

- Routine inspection
- Gas leak detection
- Vibration monitoring
- Data gathering
- Location screening
- Signaling abnormalities
- Alarm / First responder
- Emergency support



MOVEMENTS

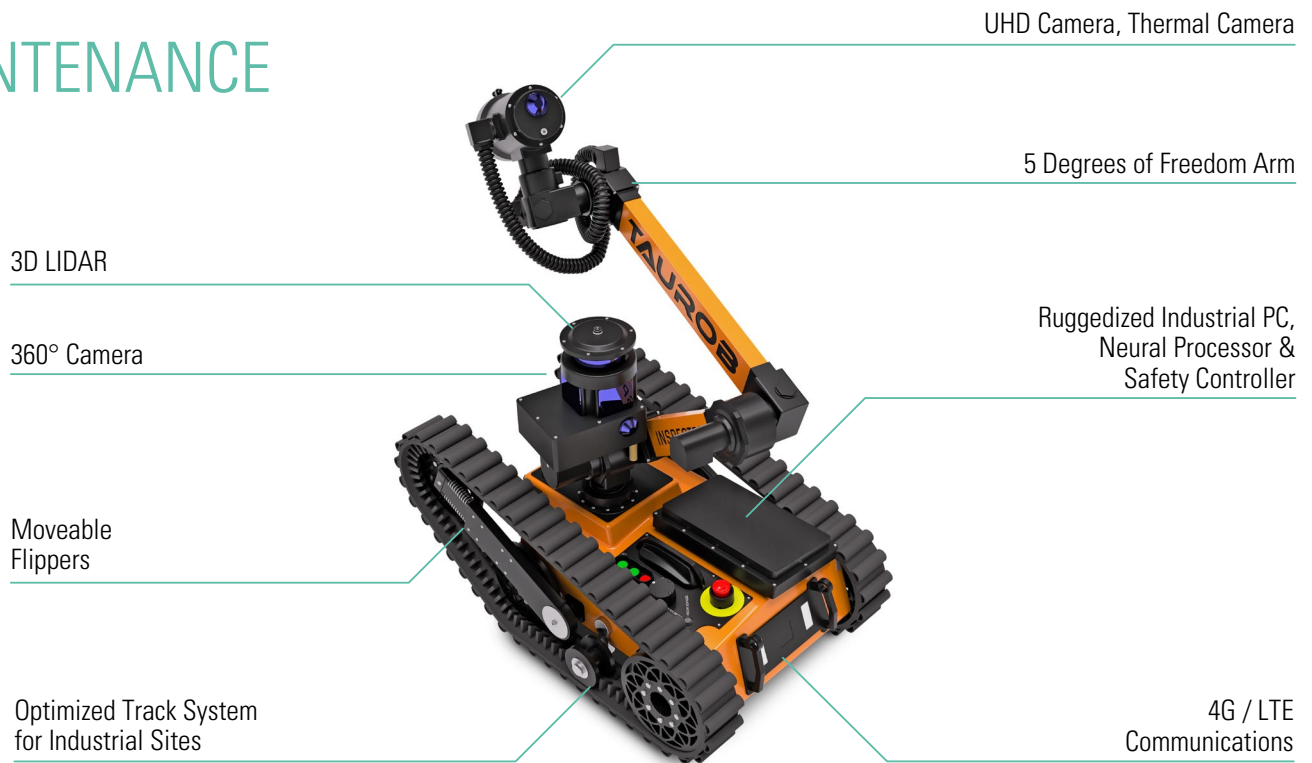
- Driving
- Patrolling
- Stair climbing
- 360 degree turning
- Moveable arm ('high-low')
- GPS / LIDAR controlled
- Patented caterpillar tracks



APPLICATIONS

- Unmanned presence
- Working 24/7
- Dangerous (ATEX) environments
- Delegation in complex activities
- Remote operations (autonomous or tele-operated)
- Enhance safety performance
- Repetitive / monotonous actions
- Predictive maintenance

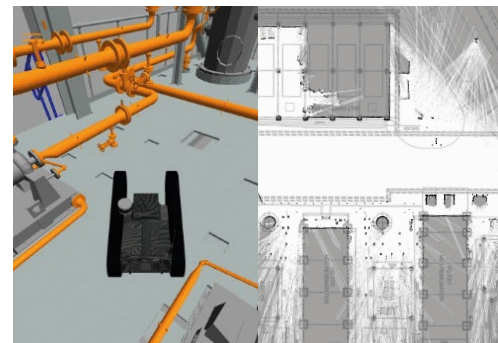
MAINTENANCE



Vibration Monitoring



Autonomous Missions /
Unmanned Platforms



2D and 3D Scanning
of Location, Modelling

SPECIFICATIONS

- Default dimensions 100 x 58 x 75 cm
- Weight 90 kg
- Speed 2.5 km/h
- Battery endurance 2 hours (battery swappable)
- Max. height from floor to camera lens: 177 cm
- IP67 water and dust proof rating
- ATEX certified
- CE label

CAPABILITIES

- All terrain capability: gravel, floor gratings, mud
- 4G / LTE or WiFi connectivity (5G coming soon)
- Real-time cloud connectivity
- Rated temperature -20°C to +60°C
- Intuitive user interface with integrated mission planning
- Autonomous navigation
- Advanced data analytics and API for 3rd party integration
- Automated detection algorithms
- Stair climbing up to 45°



PROOF OF CONCEPT

You can define a personalized Proof of Concept to see our robots perform in your own operational environment. This unique approach allows for basic validation of your use cases and for the integration of our solutions into your operational philosophy. This will provide new insights into the readiness and acceptance for the future robotization of your plant. To learn more, see our video at taurob.com/proof-of-concept



Scan to go straight
to video page



TAUROB
ROBOTIC INSPECTION

Taurob Technologies
Perfektastraße 57/7
1230 Vienna, Austria

T: +43 1 698 25 19
E: office@taurob.com

Taurob Services
Zone Industrielle
31260 Salies du Salat, France

www.taurob.com