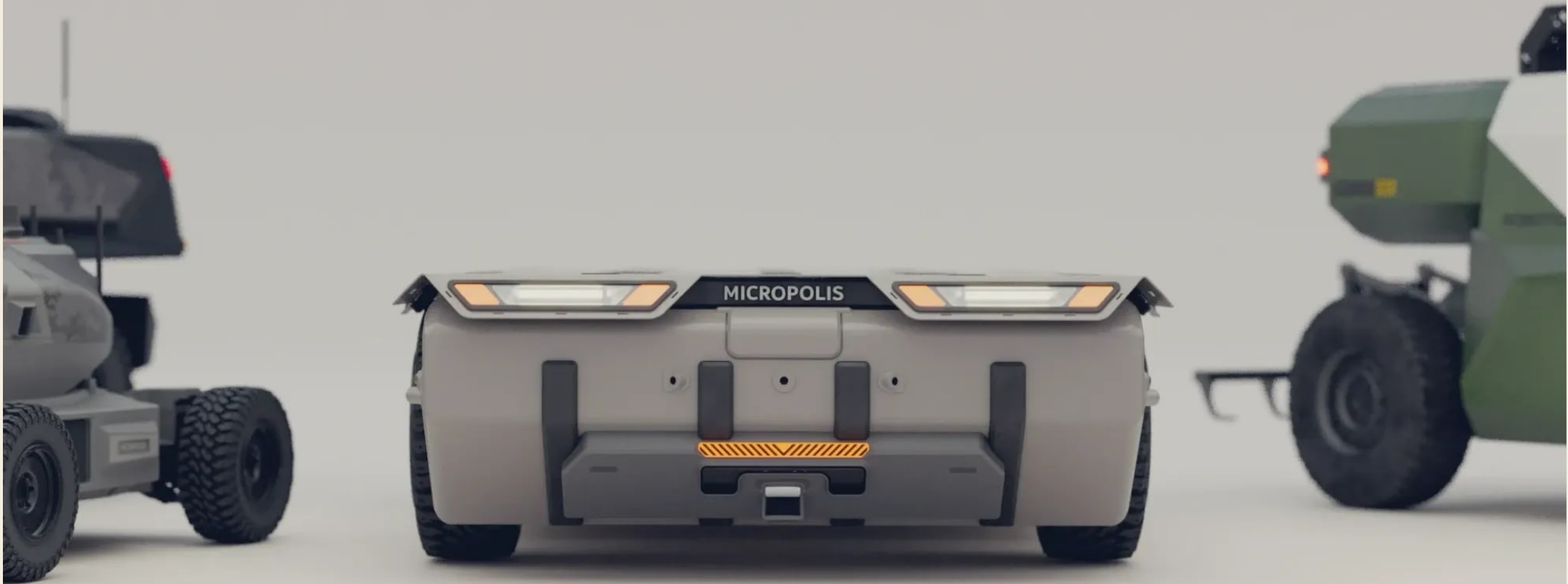


LOGX / MAX



AUTONOMOUS LOGISTICS PLATFORM
Heavy-duty autonomous logistics
between warehouses

 Logistics

 Cargo

 Warehouse

 Docks

PRODUCT CATALOGUE
2026

 Logistics

Inter-warehouse runs on a fixed schedule,
without a driver.

 Cargo

Five tonnes of cargo, equipment, parts and
supplies per trip.

 Warehouse

Docks to doors, threading yards and aisles at
80 km/h on the open road.

 Docks

Container and pallet moves across ports and
industrial estates.

01

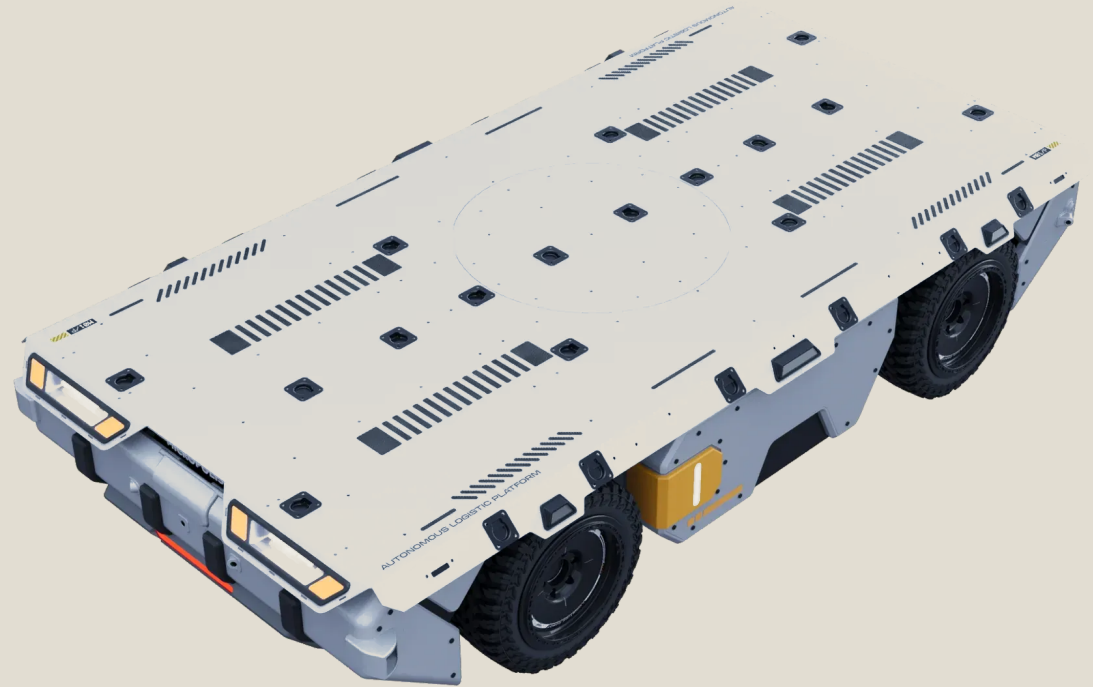
THE ROBOT

LOGX Max

Heavy-duty autonomous logistics between warehouses

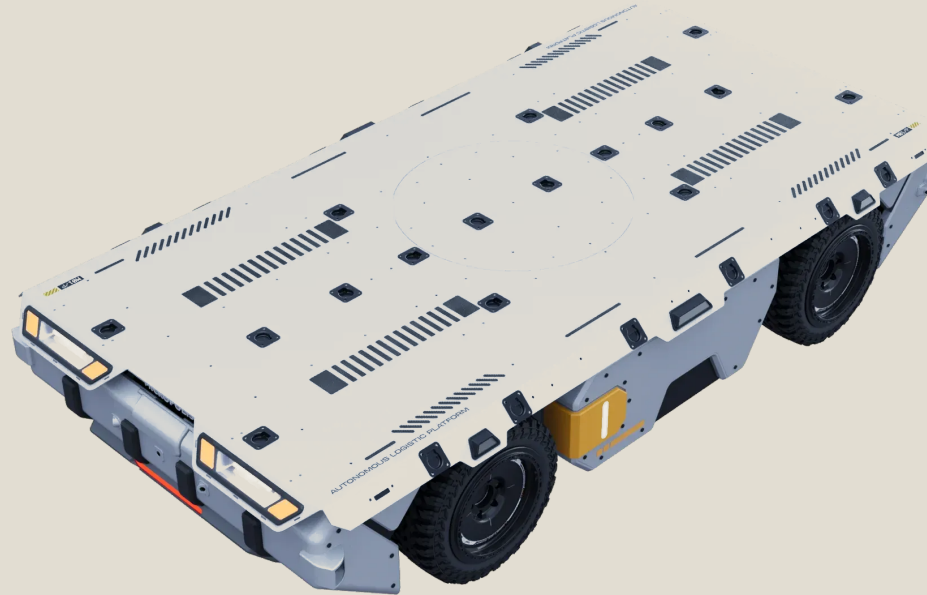
Supports **heavy-duty and inter-warehouse logistics operations**, moving cargo, equipment, parts, and supplies.

- 01 Overview** · Figures and applications
- 02 Main features** · The specification, card by card
- 03 Safety Lights** · Status communication
- 04 Five tonnes, every hour** · On duty



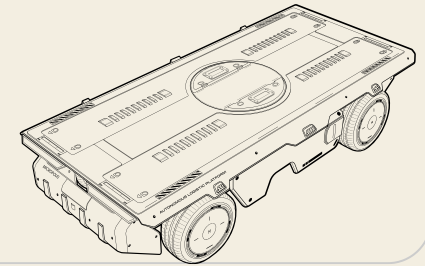


LOGX / MAX



Supports **heavy-duty and inter-warehouse logistics operations**, moving cargo, equipment, parts, and supplies.

W 2350 MM L 4400 MM H 1068 MM



Weight

2.4 TON

Max Speed

80 KM/H

NVIDIA-powered



10h Battery
1.5 h Fast Charging

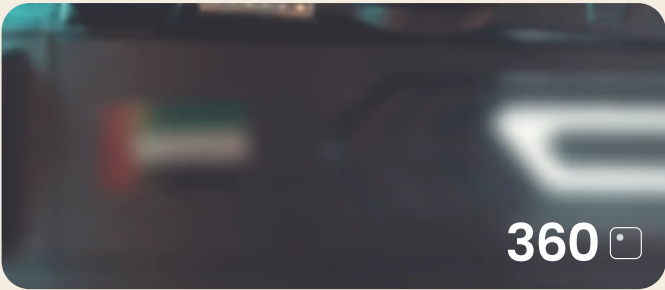
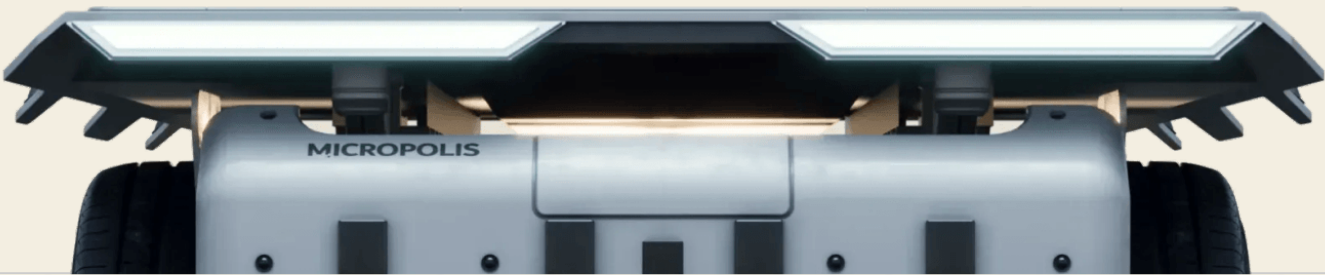


Built to carry, engineered to run all shift

Every figure on these pages is the production LOGX Max's — the same specification the website carries.

L4 Autonomy

for gated communities and areas



Obstacle Detection



8x Automotive cameras

Payload

Up to



5 TON

4x In-Wheel Motors



Double

Steering



Crab

Steering



Supported Connection



4G/5G

WIFI

RADIO

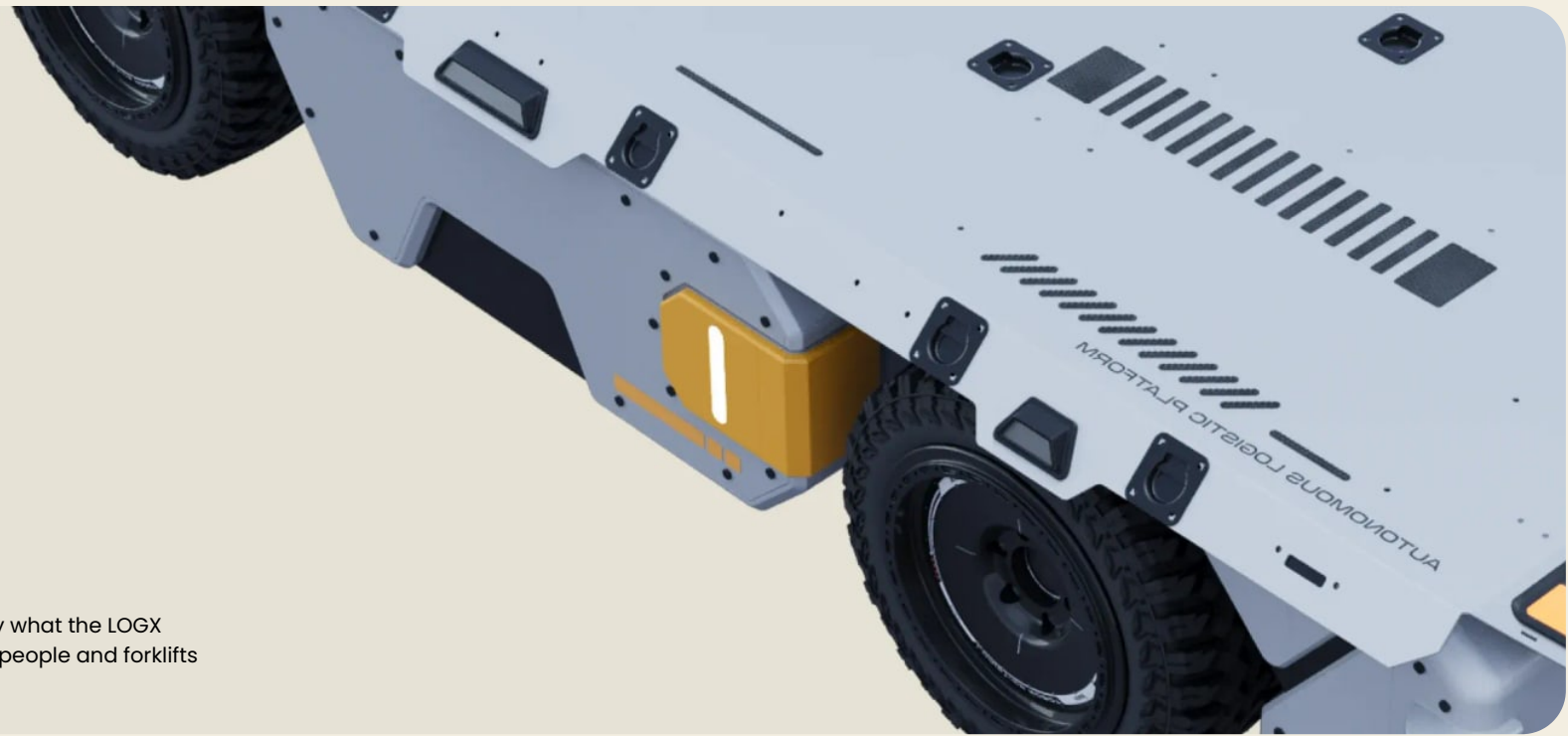
Operating Temperature



-10 ~ 70^c

Safety Lights

Status communication



A light bar around the platform tells everyone nearby what the LOGX Max is about to do — stopping, turning, loading — so people and forklifts share the yard with it safely.

 LOGX MAX

Five tonnes, every hour

A 2.4-tonne platform carrying up to five tonnes for a ten-hour shift, back on the road after a 1.5-hour fast charge — the LOGX Max keeps cargo moving between warehouses around the clock.



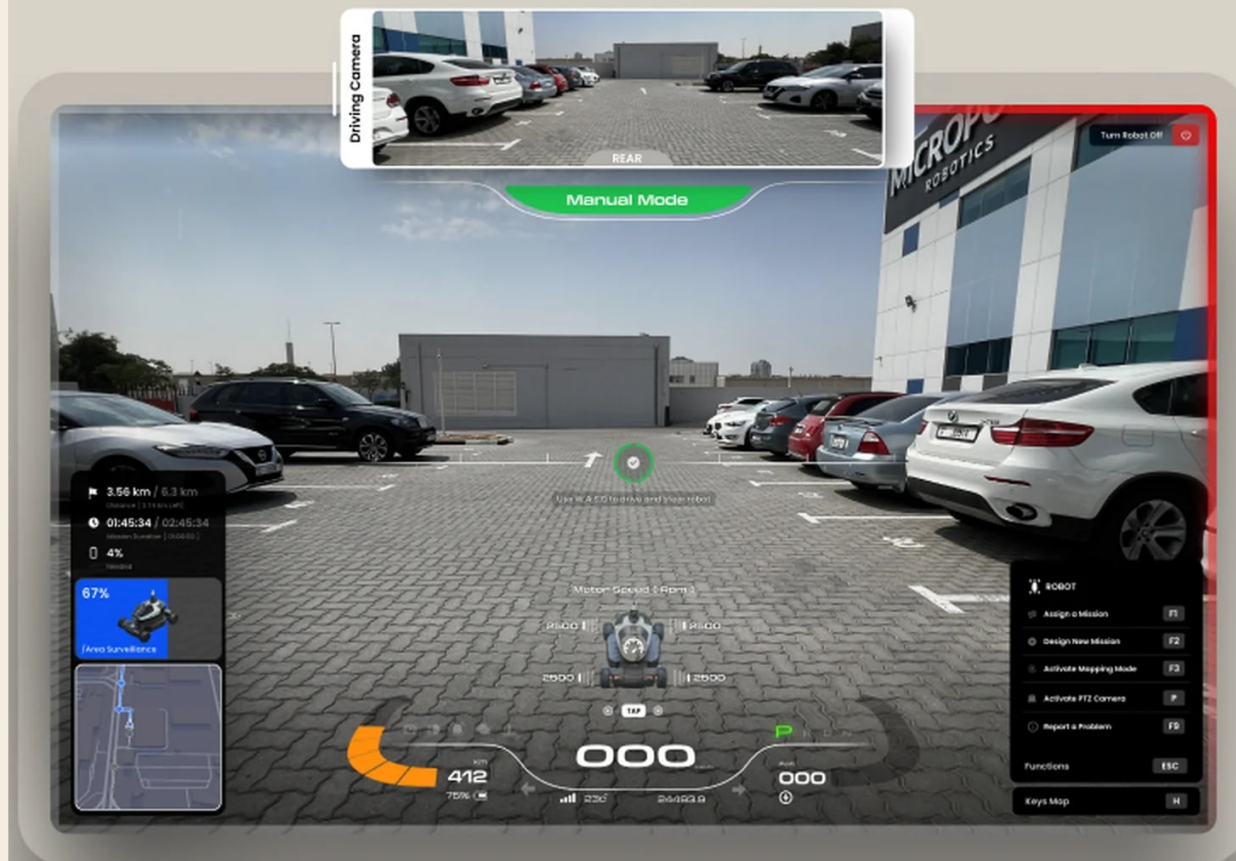
02

 CORE TECHNOLOGIES

The ecosystem behind each solution

Five platforms, one autonomy stack — developed end to end in house and shared by every Micropolis robot.

- 01 Tele Operator** · Remote Control
- 02 Micro Pilot** · Autonomous
- 03 Mission Planner** · Business
- 04 Fleet Manager** · Large Operation
- 05 Micro OS** · Integrated HW



Tele Operator Remote Control

Command and control center that provides the operator with real-time access to the robot

TELE OPERATOR Live drive screen



Real-time telemetry



Onboard systems

Control



System Health



Live surround view



Safety warnings



Driving modes



Real-time streaming

Low latency

5G RADIO

~250ms

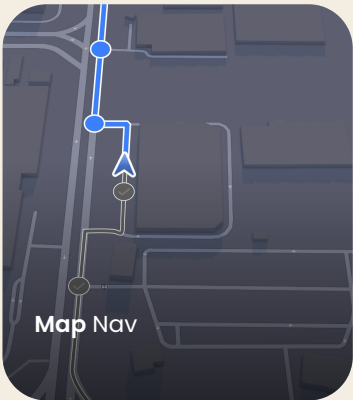
PTZ Camera control



Multi-support RC inputs

- Keyboard
- Joystick
- Customized Station

Map Nav



Diagnostics



Micro Pilot Autonomous driving

The **autonomy system** behind our robots, developed end to end in house. Sensing, localization, perception, prediction, planning and control

- 01 Sensing
- 02 Localization
- 03 Perception
- 04 Prediction
- 05 Planning
- 06 Control



Gated Stack

Autonomous

Where the constraint isn't speed, it's people. Few traffic rules apply and nobody is obliged to follow a lane. The vehicle keeps continuous close-range awareness in every direction, holds onto objects through the moments they're obscured, and treats everyone nearby as free to change direction at any time. The result is a vehicle that moves smoothly through shared space rather than hesitating at every pedestrian.



Urban Stack

Autonomous

The stack reasons about intent, predicting how road users will move and how that meets its own plan. A road understanding layer establishes the rules in force at any moment, lane structure and right of way, by checking prior map knowledge against live observation rather than trusting either alone. Planning then works within those rules the way an attentive driver does, negotiating traffic instead of merely avoiding it.



Off-road Stack

Autonomous

Off-road there are no lanes, no boundaries and no map, so the vehicle reasons about the terrain instead. It continuously judges the ground ahead: what the surface is, whether it will hold the vehicle, and what else is moving across it. Routes are chosen on that basis rather than on road structure. The result is a vehicle that works in dust, over broken ground, and across terrain nobody has surveyed.

Operations, designed and scaled

Missions are designed once, run across the fleet, and every robot boots the same in-house operating system.

MISSION PLANNER Operations, designed

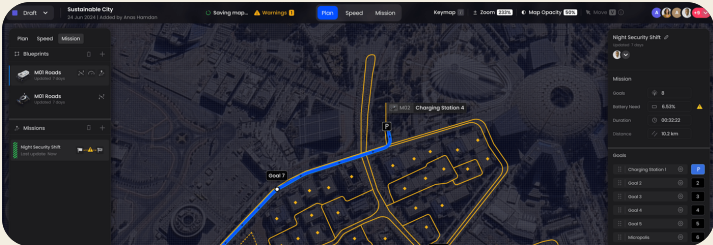
Enables operators to **design, schedule, and manage** autonomous vehicle missions

FLEET MANAGER Scale up with fleets

Centralized **visibility** and **operational oversight** across the entire robotic fleet

MICRO OS Orchestration behind the scene

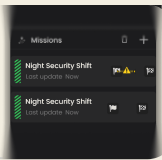
One operating system powers everything above. Our own robotics OS, shaped end to end, from the kernel to over-the-air updates



Route design



Mission schedule



Add-ons

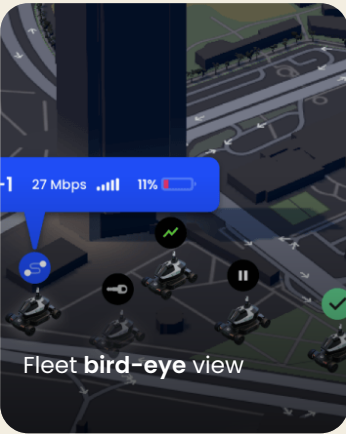
- Supports for different maps
- Multi-user route edit
- Customized rules per goal

Rule-base goals

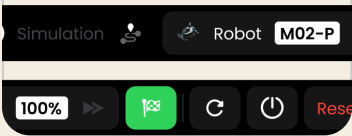


Custom Integrations

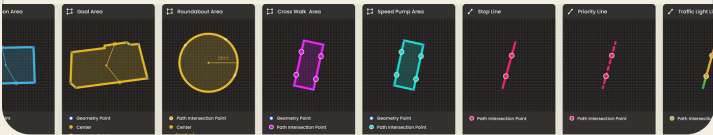
- ERP systems
- Assets management
- Fleet management



Mission simulation



Custom traffic rules



Seamless robot onboarding



Maintenance Schedule



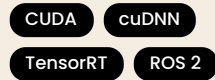
Purpose-built

Linux distribution

- One image per robot, built for its role
- Only what the application needs

Robotics at the edge

GPU accelerated



Every interface native

Kernel-level drivers

- CAN bus
- Serial & USB
- Ethernet

Fail-safe updates

Over the air



Built for developers

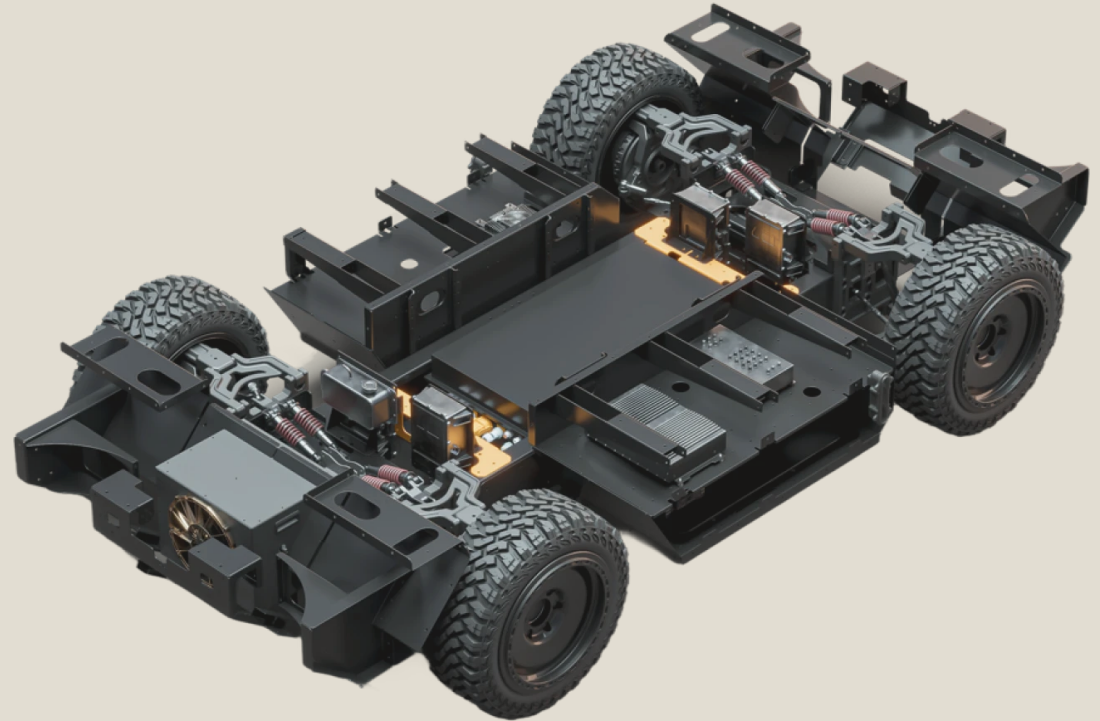
- SDK cross-compiled per robot
- Develop and test with no hardware in hand

03

RELATED HARDWARE PLATFORM

The platform beneath every robot

Every Micropolis robot **starts with a proven foundation** — a modular chassis engineered for its environment, payload and mission.



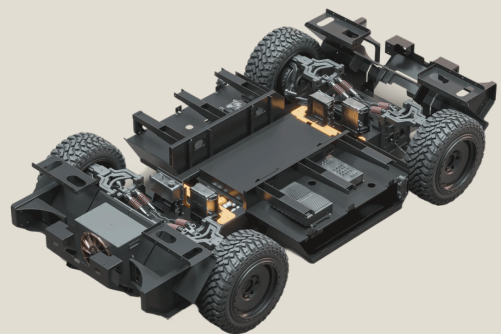
- 01 **M-Platform™** · Mega Size Urban
- 02 **Mechanics** · Drive · Steer · Brake
- 03 **Electronics** · Vehicle control units
- 04 **Energy** · Battery architectures

M-Platform™ Mobility specific platforms

Every Micropolis robot **starts with a proven foundation** — a modular chassis engineered for its environment, payload and mission

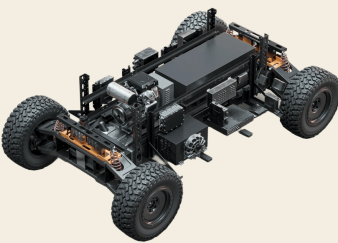
MEGA SIZE URBAN

Under the LOGX Max



Maximum payload and duty cycle. A heavy-frame architecture engineered for industrial-scale loads, continuous operation, and demanding duty cycles.

FULL SIZE OFF-ROAD



Off-road and expedition-grade. A high-clearance chassis built for the harshest terrain, engineered for extended autonomous operation in unstructured environments.

FULL SIZE URBAN



The all-terrain workhorse. The flagship platform — balanced payload, range and agility for logistics, inspection, and security across mixed environments.

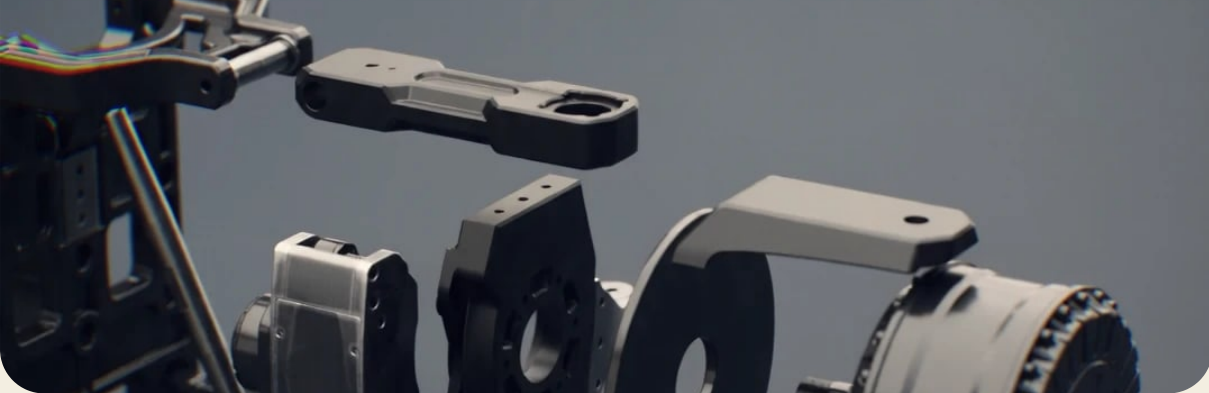
COMPACT OFF-ROAD



Speed and precision. A lower-profile chassis built for fast deployment and tight maneuvering — ideal for urban autonomy and rapid-response missions.

One chassis, your mission

Configured for your payload · Supported end to end



Drive

4x in-wheel

Payload

up to 5 t

Fast charge

1.5 h

Max speed

80 km/h

Mechanics Drive, steering & braking

Proprietary **electric drive, steering and braking** — one vertically integrated mobility architecture, designed and validated in house

In-wheel drive

Hub motors · 4 to 22 kW

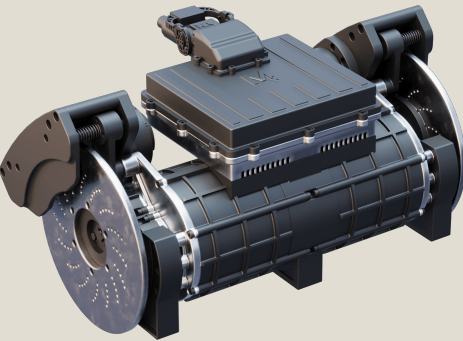
- Independent wheel control
- Torque vectoring
- Compact packaging



Mid-drive

High-torque units · 10 to 35 kW

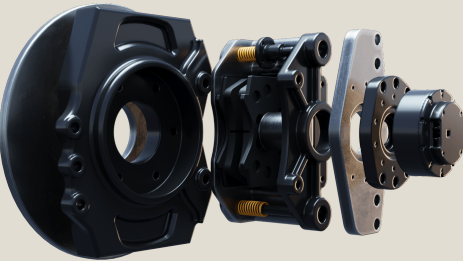
- High torque delivery
- Continuous-duty rating
- Industrial & off-road use



Brake-by-wire

Electric braking

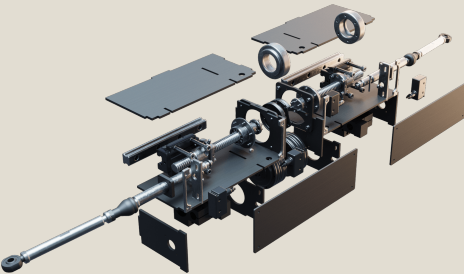
- Independent brake control
- Regenerative braking
- Fail-safe by design



Steer-by-wire

Multi-mode steering modules

- Independent wheel steering
- Multi-directional movement
- Autonomous trajectory control



Peak torque

Mid-drive, at the wheel

780_{N·m}

System voltages

Matched to each platform

96 V 400 V 500 V

One architecture

Full control of driving dynamics

UGV AMR OFF-ROAD

In-house, end to end

Designed, engineered, validated

DRIVE STEER BRAKE

Electronics Modularity is the architecture

Beneath every platform sits a **vertically integrated electronics stack** — power, control and compute on one deterministic CAN backbone

Master control
MCU-1.1.0®

- Real-time control algorithms
- Multi-protocol communication
- Full sensor acquisition



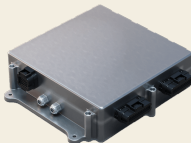
Auxiliary control
RCU-0.1®

- Lights, locks & actuators
- H-bridge motor control
- Isolated I/O & CAN diagnostics



Power management
PMU-2.1®

- 24–48 V wide input
- Multi-rail regulation
- Sequencing & diagnostics



Power distribution
PDU 1.0®

- One source, every circuit
- Integrated circuit protection
- Ruggedized connectors



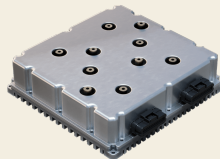
HV distribution
HV-PDU 1.0®

- 400–800 V DC routing
- Overcurrent protection
- Automotive-grade connectors



Motor drive
MDU 1.0®

- BLDC commutation
- Controlled three-phase output
- CAN-commanded torque



Energy Purpose-built power

Purpose-built battery architectures — LiFePO₄ chemistry, smart BMS and liquid cooling, engineered for mission-critical reliability

The battery platform
LiFePO₄ · Liquid-cooled · CAN



M2 pack
96 V system

16 kWh

M1.5 pack
96 V system

53 kWh

M01 pack
400 V high-voltage system

38.5 kWh

Inside every pack

- Smart BMS — monitor & balance
- Liquid-cooling loop
- CAN telemetry
- Multi-layer protection

Fail-safe protection
Multi-layer

OVER-CHARGE

OVER-CURRENT

SHORT-CIRCUIT

Fast charge
Maximum charging current

280 A

Range extender
EU5 & EPA certified V-twin

60 L TANK

REMOTE START

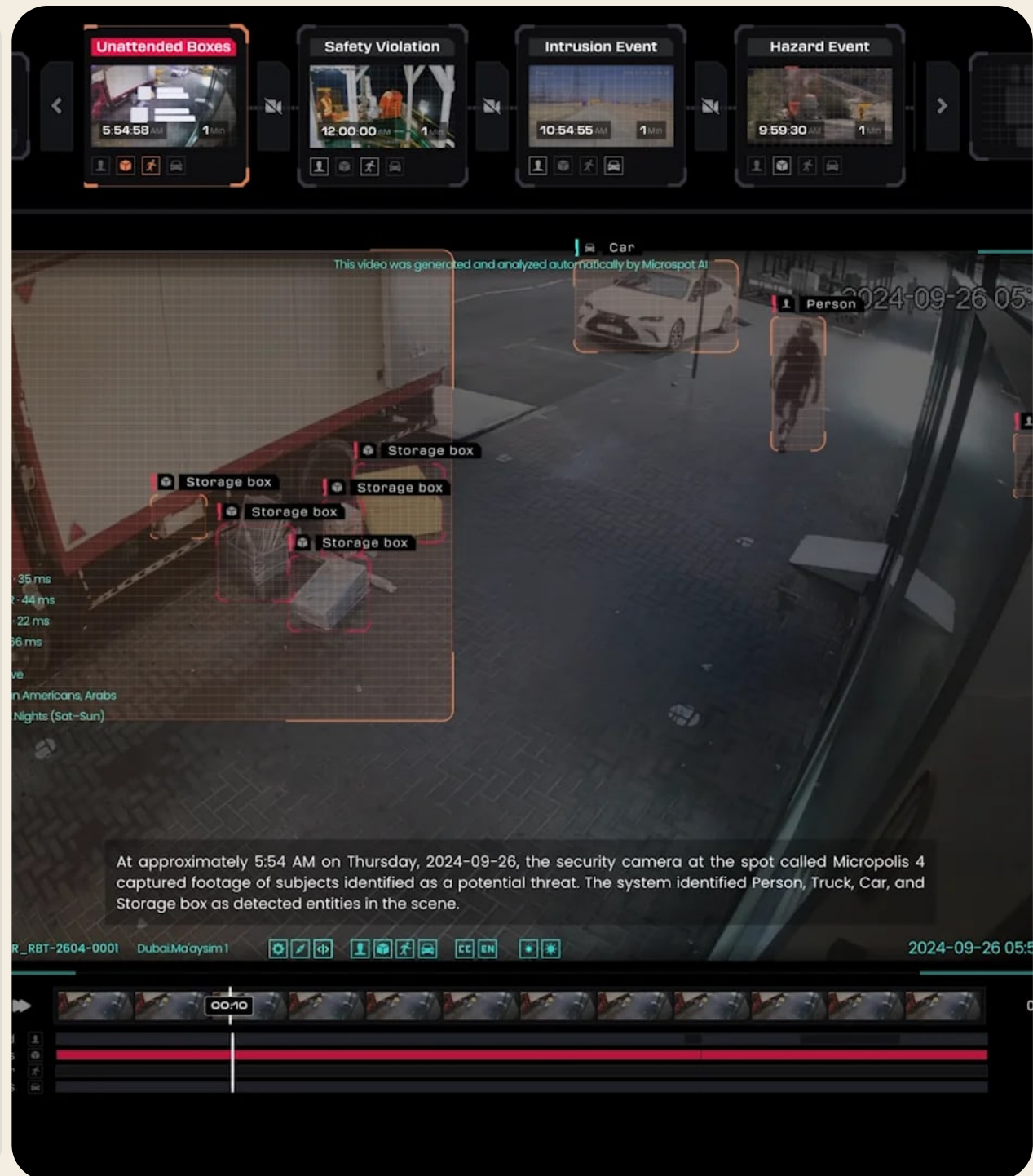
O4

INTELLIGENT SPOT

A customized AI suite for the robot's missions

AI perception and reasoning system that converts continuous video into a small number of structured, verified, and explainable events.

- 01 The platform** · What it connects and computes
- 02 Five layers** · Sixteen intelligences
- 03 In action** · Cases, and the LOGX Max's missions



AI perception and reasoning system that converts continuous video into a small number of structured, verified, and explainable events.

Observes
Identifies
Interprets
Correlates
Documents

Connect

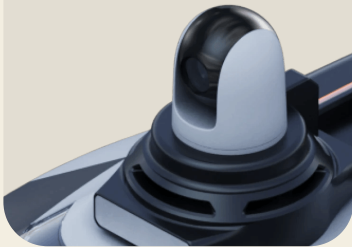


CCTV

Connect

IoT SENSORS

Micropolis Robots PTZ
Fully integrated



Command Support



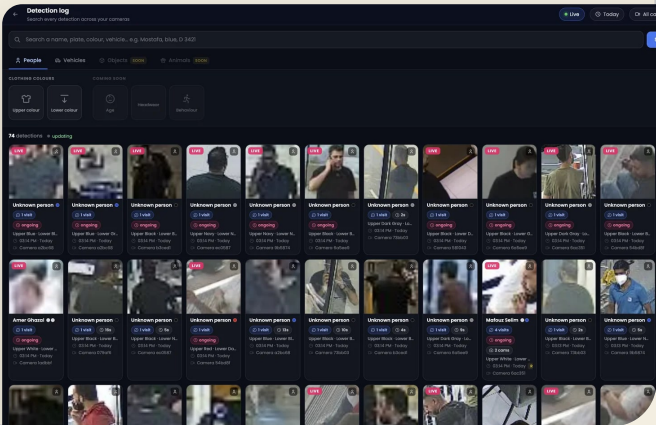
NVIDIA-powered
EDGE Computing



EDGE Processing



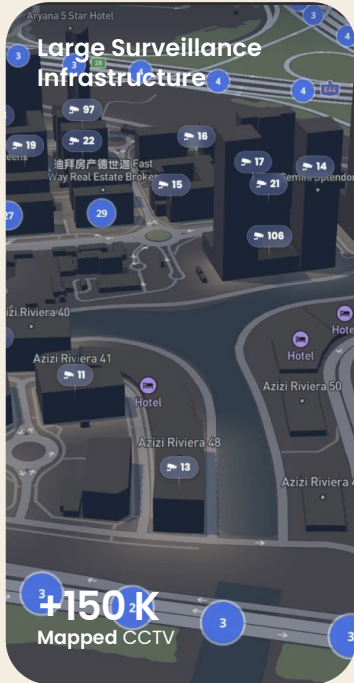
Intelligent search
Historical detection logs



Area tree
Folder organizer



Large Surveillance
Infrastructure



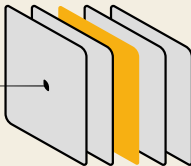
Add-ons

+ Customized event detection

+ Smart incident reporting app

+ SOP workflow builder

5 AI layers
One platform



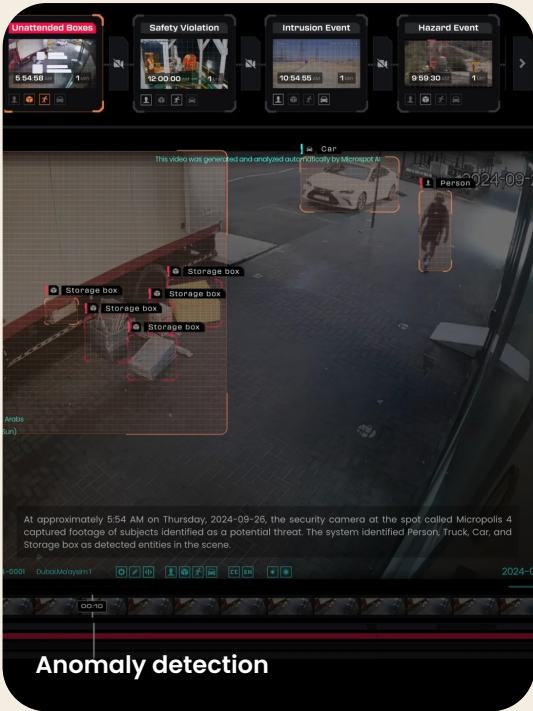
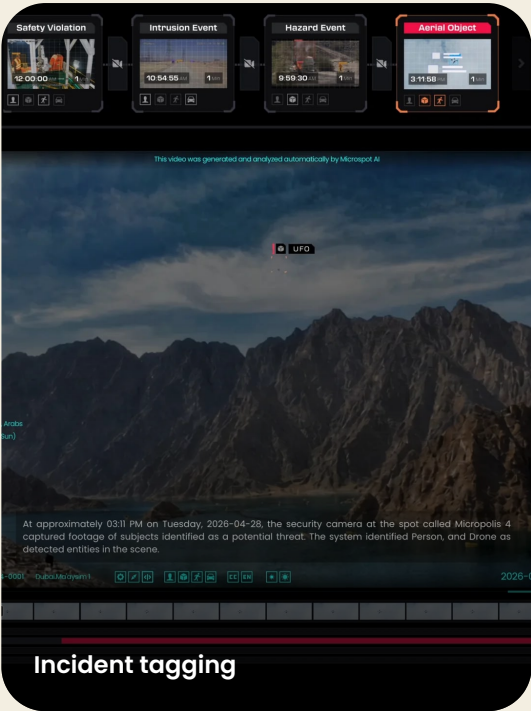
The intelligence behind the scene

Layered technology, performance focused



Intelligence in action

Some of many behavior and detection cases. Below, the layers tuned to the LOGX Max's own missions.



 TUNED TO THE LOGX MAX'S MISSIONS

Mission
Yard safety

- Behavioral Intelligence™
- Crowd & Density Intelligence™

People and forklifts read as they move, distances measured in metres.

Mission
Cargo custody

- AI Evidence Builder™
- Scene Intelligence™

Every pickup and drop documented to evidentiary standard.

Mission
Site access

- Vehicle & Access Intelligence™
- Policy-Aware Sensitivity™

Every vehicle recognised; site policy as configuration.

Mission
Fleet oversight

- Real-Time Situational Awareness™
- Enterprise Edge AI™

Operators see what every platform sees, on your own infrastructure.

Connects

- CCTV** **IoT sensors** **Micropolis robots**

[Inquire about your cases](#)

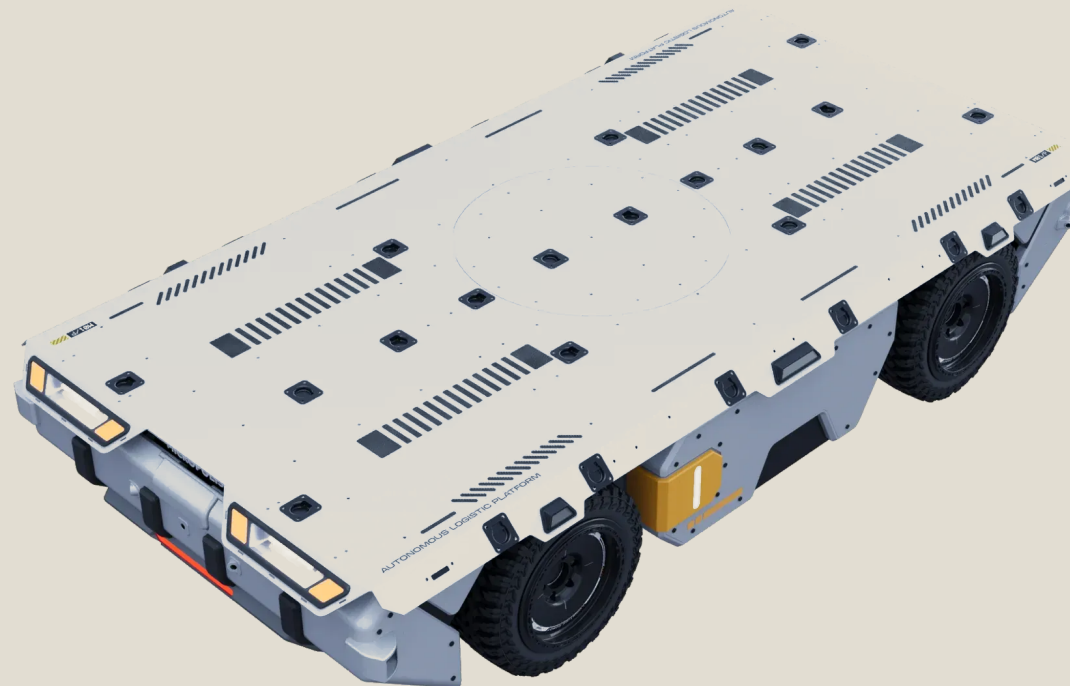
Turn live video, sensor data, and robotic patrol inputs into actionable operational awareness.

05

 SPECIFICATIONS

Every figure, on one page

The full specification of the LOGX Max, and how to reach us.



01 Specifications · At a glance

02 Talk to us · Contact

LOGX Max at a glance

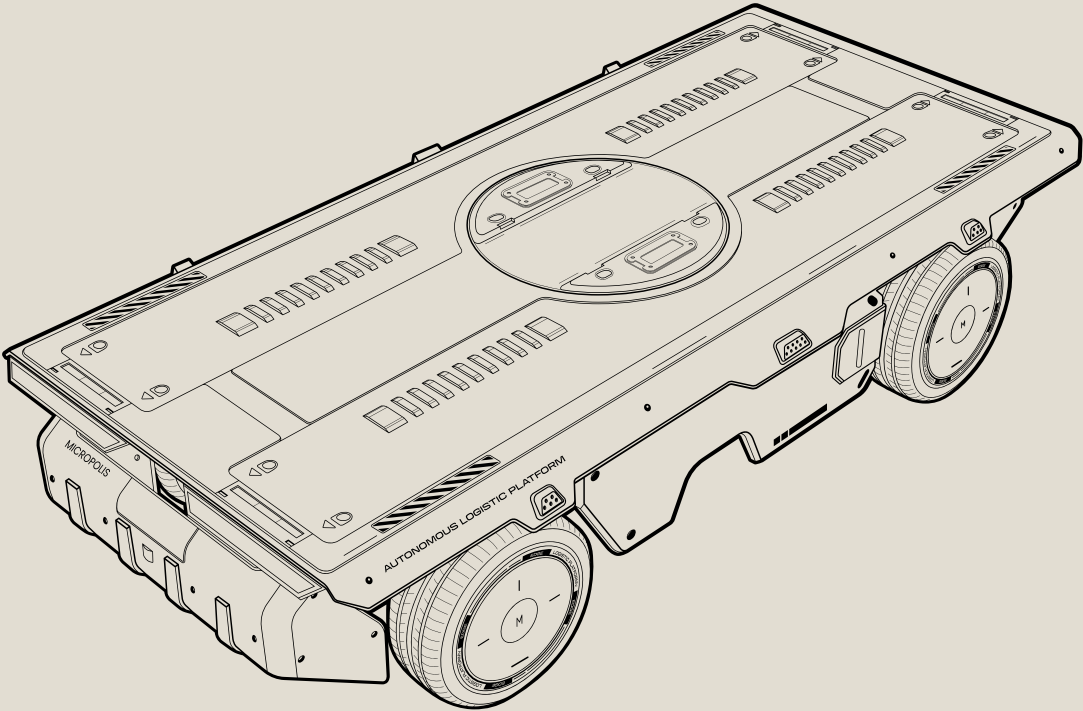
Specifications are subject to change without notice. Figures marked “software limited” are configurable per deployment.

Dimensions (W × L × H)	2350 × 4400 × 1068 mm
Weight	2.4 ton
Max Speed	80 km/h
Compute	NVIDIA-powered
Battery	10h runtime · 1.5 h Fast Charging

Steering	Double & Crab steering
Obstacle Detection	360° · 8x Automotive cameras
Payload	5 ton
Drive	4x In-Wheel Motors
Supported Connection	4G/5G · WIFI · RADIO

Operating Temperature	-10 ~ 70 c
Braking	Brake-by-wire, regenerative
Autonomy	L4 · Micro Pilot
Hardware platform	M-Platform™ Mega Size Urban
Remote control	Tele Operator · 5G / radio, ~250 ms

LOGX / MAX



W **2350** MM L **4400** MM H **1068** MM



LOGX / MAX 

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NYSE American: MCRP

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