



# CAPRA ROBOTICS<sup>®</sup>

[ONE ROBOT - MULTIPLE APPLICATIONS]



# BRIDGING THE GAP

BETWEEN INDOOR & OUTDOOR LOGISTICS



# CONTENTS

|                           |    |
|---------------------------|----|
| INTERLOGISTICS            | 3  |
| CAMPUS LOGISTICS          | 5  |
| FOOD PROCESSING LOGISTICS | 7  |
| KEY TECHNOLOGIES          | 9  |
| CAPRA200 & CAPRA500       | 10 |
| CAPRA SMARTFLEET          | 11 |
| VERSATILE PLATFORM        | 12 |
| SPECIFICATIONS            | 13 |

# CAPRA ROBOTICS®

REVOLUTIONIZING THE USE OF MOBILE ROBOTS

We design and manufacture AMRs built for real operations – indoors, outdoors, and across complex environments. Simple and robust by design, easy to integrate, and centered around industry-standard load carriers, our robots fit seamlessly into existing workflows.

We think in solutions, not tasks. By connecting movements, infrastructure, and environments, we enable uninterrupted logistics flow across entire facilities – without structural changes or disruption.

From system design to long-term operation, Capra Robotics delivers automation that scales with confidence and performs reliably over time. Our focus is impact: smarter operations, higher efficiency, and mobile robots ready for everyday use.

## EMPOWERING



## AWARDS & HONORS



# INTERLOGISTICS

BRIDGING THE GAP BETWEEN INDOOR & OUTDOOR LOGISTICS

## UNINTERRUPTED LOGISTICS FLOWS

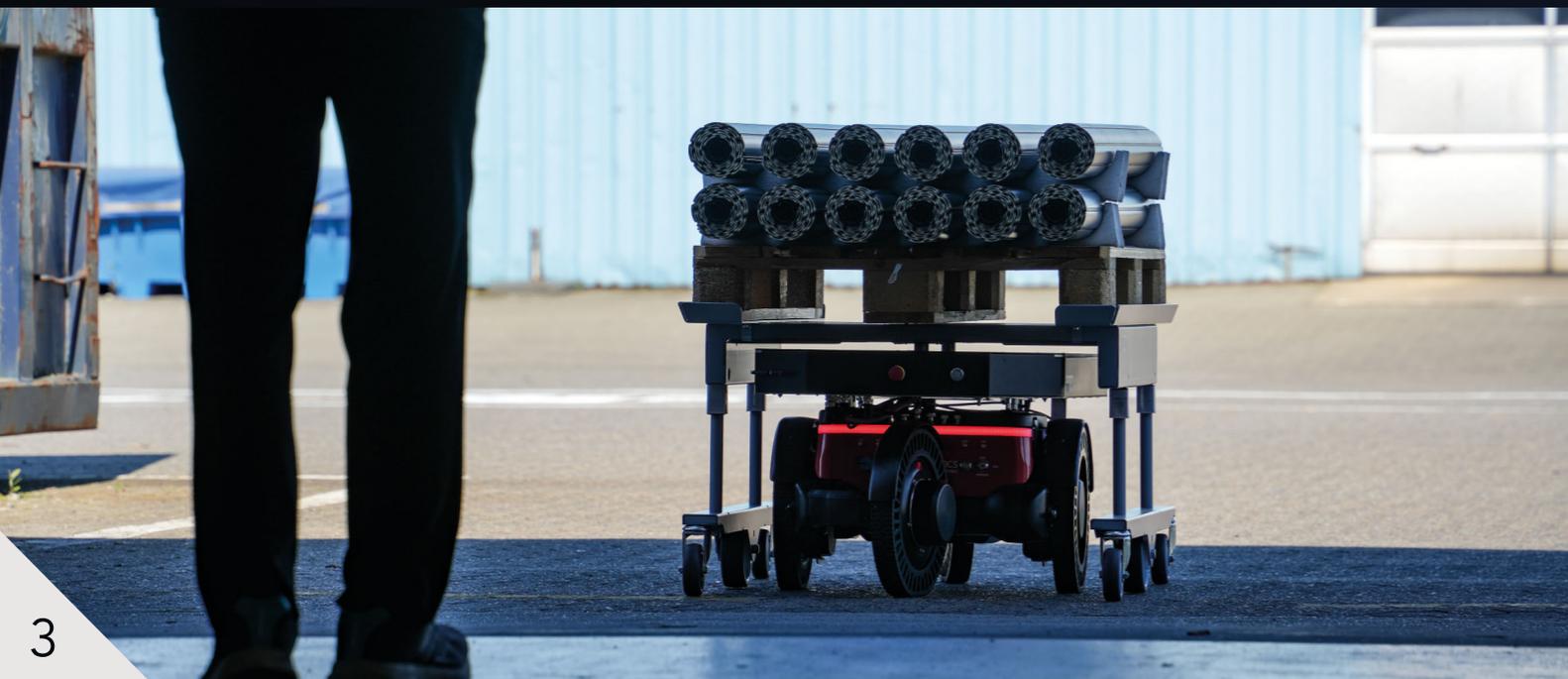
We automate pallet and SLC transport across entire facilities, turning manual handling into uninterrupted logistics flows.

## BUILT FOR THE REAL WORLD

Ramps, outdoor conditions, and mixed traffic are part of everyday operations. Our AMRs are engineered for continuous operation across these environments, maintaining predictable performance where traditional AMRs reach their limits.

## HIGHLIGHTS

- Payloads:** Pallets, SLCs, racks, and kit carts
- Capacity:** Up to 500 kg /1100 lbs
- Environment:** Indoor and outdoor
- Key value:** Automated logistics flow facility wide



## PART OF YOUR OPERATIONS

Capra SmartFleet coordinates gates, conveyors, signaling equipment, and industrial IoT to automate material handling across warehouses, yards, and production areas – keeping facility-wide logistics moving predictably without infrastructure changes.

VIDEO DEMO



# CAMPUS LOGISTICS

AUTOMATED ON-SITE DELIVERY

## AUTOMATED POINT-TO-POINT DELIVERY

We automate light goods transport across large sites, moving packages, tools, samples, and SLCs between buildings in predictable on-demand logistics flows.

## SKILLED TIME, WELL SPENT

Across large campuses, lightweight deliveries are often handled by highly qualified employees leaving their workstations. We automate point-to-point transports, enabling skilled personnel to focus on value-adding work, thereby increasing company efficiency.

## HIGHLIGHTS

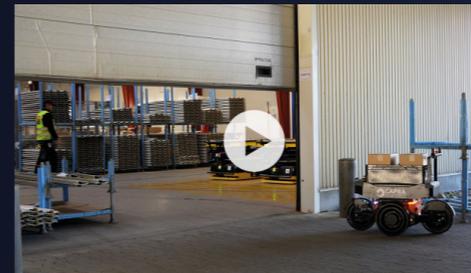
- Payloads:** SLCs and custom boxes
- Capacity:** Up to 100 kg /220 lbs
- Environment:** Semi-closed outdoor areas and courtyards
- Key value:** Lets experts focus on creating value



## PART OF YOUR DAILY FLOW

Capra SmartFleet coordinates gates, signaling equipment, and industrial IoT to manage autonomous deliveries across your campus – keeping goods moving while teams stay focused on their work.

VIDEO DEMO



# FOOD PROCESSING LOGISTICS

REVOLUTIONIZING INTRALOGISTICS IN FOOD PROCESSING

## AUTOMATED CART TRANSPORT

Capra Robotics automates the movement of standardized Eurobins (DIN9797) across food processing facilities, keeping product flowing between processing areas, cold rooms, and packing lines.

## MADE FOR THE FOOD INDUSTRY

Washdowns, humidity, temperature variation, and slippery floors are not edge cases; they are the norm. Our solutions are designed to operate as part of daily production, maintaining consistent transport performance where conventional automation quickly reaches its limits.

## HIGHLIGHTS

- Payloads:** Industry standard carts
- Capacity:** Up to 500 kg /1100 lbs
- Environment:** Cold rooms, slippery floors, and drainage systems
- Key value:** Automated cart transport



## PART OF YOUR PRODUCTION LINE

Capra SmartFleet orchestrates gates, conveyor systems, and industrial IoT to coordinate automated cart transfers between processing stages – supporting stable production flow without infrastructure changes.



VIDEO DEMO



# KEY TECHNOLOGIES

THE CAPRA ROBOTICS EDGE



## VISION SYSTEM

AI-Powered localization and navigation enable robust indoor and outdoor navigation in dynamic environments without infrastructure.



## SAFETY SYSTEM

Dual PLd-certified radars prevent collision and enable safe operation – built for mixed indoor–outdoor environments with dynamic traffic.



## SITUATIONAL AWARENESS

Our situational awareness system provides reliable obstacle detection and avoidance in any environment.



## IIOT AND INFRASTRUCTURE INTEGRATION

Direct communication with gates, conveyors, lights, and industrial IoT devices through easy-to-set-up IO modules enables fully automated transitions and connected value chains.



## AUTOMATED CHARGING

Opportunity charging keeps robots ready without manual intervention – IP65-rated for indoor and outdoor usage.

# CAPRA200 & CAPRA500

DIFFERENT BUILD – SAME FORM FACTOR

## CAPRA200

*Built for range & agility*

Up to 50 kg payload

Up to 200 kg towing

Optimized for long routes and frequent missions

**Typical use:** campus deliveries, light logistics, agile transport

## CAPRA500

*Built for strength & stability*

Up to 100 kg payload

Up to 500 kg towing

Optimized for heavier loads and demanding workflows

**Typical use:** pallets, carts, trailers, heavy logistics



Mix Capra200 and Capra500 in the same operation using the same tools, workflows, and infrastructure.

# CAPRA SMARTFLEET

ORCHESTRATED LOGISTICS

## COMPLETE COORDINATION

Capra SmartFleet brings every robot from Capra Robotics into one coordinated system. Missions are dispatched automatically, movements are synchronized, and logistics flows remain stable across defined zones and operations.

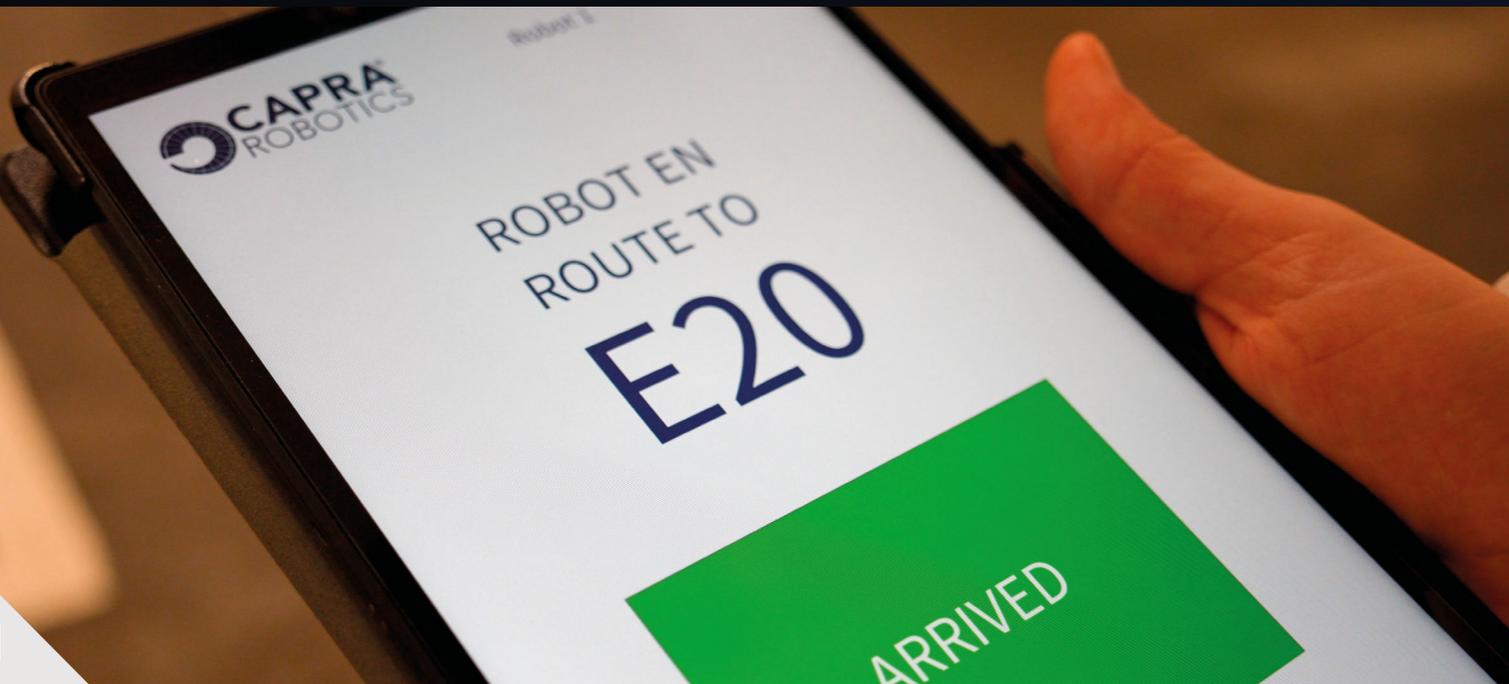
## DESIGNED FOR SCALABILITY

Scale effortlessly from a single robot to a large multi-site operation, with the same simple interface and robust performance at every stage. Add new robots, new tasks, or new sites without disruption.



## INSIGHT YOU CAN ACT ON

SmartFleet provides a clear overview of missions, robot status, and charging behavior. By integrating with gates, conveyors, lights, and industrial IoT devices, it turns individual robots into one coherent, predictable operation.



# VERSATILE PLATFORM

ONE ROBOT – MULTIPLE APPLICATIONS



## CART SOLUTIONS

UP TO 500 KG/1100 LBS

Automated transport of industry standard pallets and SLCs, enabling automated pickup, movement, and drop-off across facility-wide logistics flows.

**Designed for:** High-paced manufacturing flows.



## TOP SOLUTIONS

UP TO 100 KG/220 LBS

A standardized top interface for mounting application-specific tools or payloads, combining easy integration with high agility and precision.

**Designed for:** Light goods transport and custom applications.



## TRAILER SOLUTIONS

UP TO 500 KG/1100 LBS

Extended transport capacity by towing standardized carts or application tools for efficient movement of heavier loads over longer distances.

**Designed for:** Long-distance and high-capacity transport.

# CAPRA200

## SPECIFICATIONS

| DIMENSIONS & WEIGHT         |                          |
|-----------------------------|--------------------------|
| External Dimensions (LxWxH) | 1125x600x373 mm          |
| Wheel Diameter              | 326 mm                   |
| Clearance Height            | 126 mm                   |
| Weight                      | 50 kg (with 2 batteries) |

| ENVIRONMENT                   |                             |
|-------------------------------|-----------------------------|
| Operational Temperature Range | -20°C to +40°C <sup>1</sup> |
| IP Rating                     | IP65                        |
| Relative Humidity             | 100%                        |
| Usage                         | Indoor & Outdoor            |

| SPEED & PERFORMANCE |                               |
|---------------------|-------------------------------|
| Maximal Speed       | 6 km/h                        |
| Turning Radius      | 465 mm                        |
| Chassis             | 4-wheel robot frame           |
| Motor Type          | 4 pcs. Hub motor of 250W each |
| Capacity            | Up to 200 kg                  |

1 Lower than -10°C requires additional heating element  
 2 Depending on surface, incline, and payload  
 3 From 20% to 80% with wireless charger

| INTERFACE & COMMUNICATION |   |
|---------------------------|---|
| External Communication    | WiFi 5. Dual-Band 2.4 GHz and 5 GHz   5G Dual SIM and e-SIM                                       |
| I/O                       | Emergency Stop, Safety PLC interface, Gigabit Ethernet, User Power 24V 10A E-stop, 10A Continuous |
| Manual Steering           | Remote Control  |

| EFFECT           |                                    |
|------------------|------------------------------------|
| Battery Type     | Li-NMC                             |
| Battery Capacity | Up to 4 units of 25.9V, 20 Ah each |
| Operating Time   | Up to 20 hours <sup>2</sup>        |
| Driving Range    | Up to 105 km                       |
| Charging Time    | 60 minutes <sup>3</sup>            |

| SAFETY          |                          |
|-----------------|--------------------------|
| Safety Standard | ISO3691-4 & RIA R15.08-1 |

| SITUATIONAL AWARENESS |  |
|-----------------------|--|
| Obstacle Detection    | Sensor suite   |
| Obstacle Avoidance    | <ul style="list-style-type: none"> <li>• 2D LiDAR</li> <li>• 3D LiDAR</li> <li>• Depth camera</li> </ul> |

# CAPRA500

## SPECIFICATIONS

| DIMENSIONS & WEIGHT         |                 |
|-----------------------------|-----------------|
| External Dimensions (LxWxH) | 1145x635x356 mm |
| Wheel Diameter              | 326 mm          |
| Clearance Height            | 126 mm          |
| Weight                      | 73,5 kg         |

| ENVIRONMENT                   |                             |
|-------------------------------|-----------------------------|
| Operational Temperature Range | -20°C to +40°C <sup>1</sup> |
| IP Rating                     | IP65                        |
| Relative Humidity             | 100%                        |
| Usage                         | Indoor & Outdoor            |

| SPEED & PERFORMANCE |                               |
|---------------------|-------------------------------|
| Maximal Speed       | 6 km/h                        |
| Turning Radius      | 480 mm                        |
| Chassis             | 4-wheel robot frame           |
| Motor Type          | 4 pcs. Hub motor of 576W each |
| Capacity            | Up to 500 kg                  |

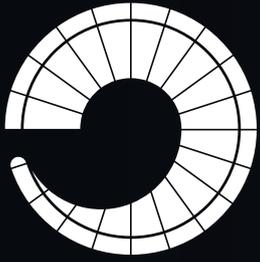
1 Lower than -10°C requires additional heating element  
 2 Depending on surface, incline, and payload  
 3 From 20% to 80% with wireless charger

| INTERFACE & COMMUNICATION |   |
|---------------------------|---|
| External Communication    | WiFi 5. Dual-Band 2.4 GHz and 5 GHz   5G Dual SIM and e-SIM                                       |
| I/O                       | Emergency Stop, Safety PLC interface, Gigabit Ethernet, User Power 48V 10A E-stop, 10A Continuous |
| Manual Steering           | Remote Control  |

| EFFECT           |                              |
|------------------|------------------------------|
| Battery Type     | Lithium Iron Phosphate (LFP) |
| Battery Capacity | 1 unit of 48V, 40 Ah         |
| Operating Time   | Up to 15 hours <sup>2</sup>  |
| Driving Range    | Up to 75 km                  |
| Charging Time    | 60 minutes <sup>3</sup>      |

| SAFETY          |                          |
|-----------------|--------------------------|
| Safety Standard | ISO3691-4 & RIA R15.08-1 |

| SITUATIONAL AWARENESS |  |
|-----------------------|--|
| Obstacle Detection    | Sensor suite   |
| Obstacle Avoidance    | <ul style="list-style-type: none"> <li>• 2D LiDAR</li> <li>• 3D LiDAR</li> <li>• Depth camera</li> </ul> |



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SEE MORE



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