



ARCEUX

AUTONOMOUS MOBILE ROBOTS

BY THEDUSH ROBOTICS · AGV / AMR

Driving the future of industrial automation.

Autonomous mobility robots and the Arceux Control software — a complete hardware-and-software platform for the modern factory floor.

DIFFERENTIAL

OMNI-DIRECTIONAL

ARCEUX CONTROL



P-DIFF 300
300 KG



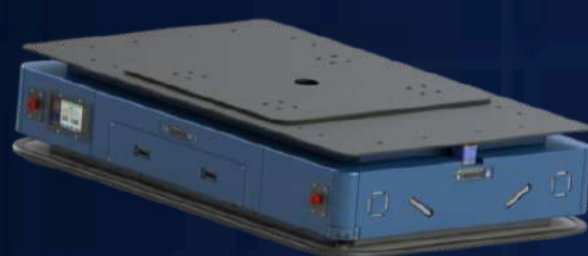
P-DIFF 1000
1,000 KG



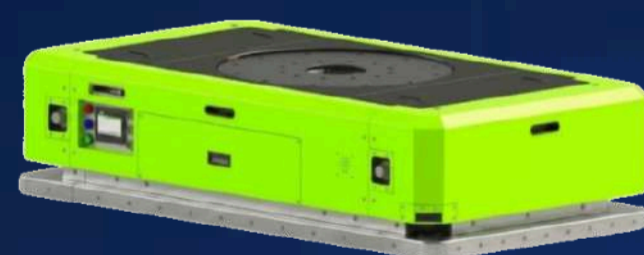
P-DIFF 1500
1,500 KG



P-DIFF 3000
3,000 KG



P-DIFF 5000
5,000 KG



P-OMNI 2000
2,000 KG



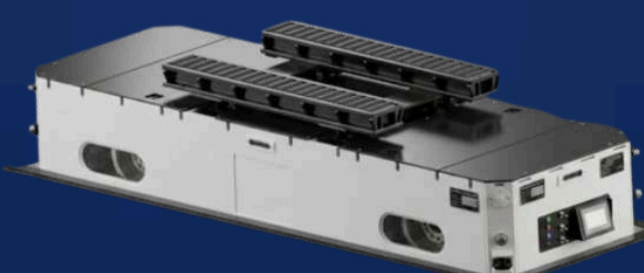
P-OMNI 3000
3,000 KG



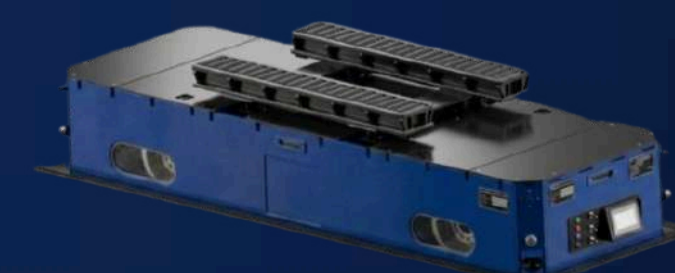
P-OMNI 5000
5,000 KG



P-OMNI 15000
15,000 KG



P-OMNI 25000
25,000 KG



P-OMNI 40000
40,000 KG

WHO WE ARE

An engineering company building the autonomous factory floor.

Arceux is the robotics brand of Thedush Robotics — an AGV & AMR manufacturer designing autonomous mobility hardware and the Arceux Control software for smart factories across automotive, electronics, pharma, aerospace and 3PL logistics.

11 +

ROBOT VARIANTS

40 T

TOP PAYLOAD

5

NAV TECHNOLOGIES



HARDWARE

In-house chassis, drives & sensing across two drive architectures.

SOFTWARE

Arceux Control — the single-robot control & monitoring app.

INTEGRATION

WMS / MES / ERP bridges, commissioning & 24/7 service.

TWO SERIES · ONE PLATFORM

Pick a drive architecture. Inherit the same stack.

Both series share one control app, one navigation suite and one safety architecture — so a deployment scales without re-platforming.



SERIES A · P-DIFF

Differential Drive

Compact, efficient transport for aisle logistics & line-side feed. Twin differential drives on a long, low chassis.

300 / 1000 / 1500 / 3000 / 5000 KG



SERIES B · P-OMNI

Omni-Directional

360° lateral motion for precision placement & heavy industry. Four independently steered & driven wheels.

2T / 3T / 5T / 15T / 25T / 40T

11⁺

VARIANTS

2

DRIVE TYPES

300^{kg}

ENTRY PAYLOAD

40^T

TOP PAYLOAD

SERIES A • P-DIFF

Differential Drive.

The workhorse of in-aisle logistics — a long, low chassis with twin differential drives for efficient point-to-point transport from 300 kg to 5 tons.



300 KG
P-Diff 300
Trolley assistant

1,000 KG
P-Diff 1000
Line-side feed

1,500 KG
P-Diff 1500
Heavy line feed

3,000 KG
P-Diff 3000
Heavy pallets

5,000 KG
P-Diff 5000
Mother-AGV class



Built for continuous duty.

PAYLOAD	1,000 kg
FOOTPRINT	1,000 × 720 mm
HEIGHT	350 mm
MAX SPEED	2.0 m/s
NAVIGATION	SLAM • QR • Marker
BATTERY	LiFePO₄ • auto-charge

SERIES B • P-OMNI

Omni-Directional.

Four independently steered & driven wheels unlock true 360° motion — strafe, crab, rotate-in-place — for precision handover and ultra-heavy transport up to 40 tons.



2,000 KG
P-Omni 2000
Compact handler



3,000 KG
P-Omni 3000
Pallet shuttler



5,000 KG
P-Omni 5000
Flagship rotary



15,000 KG
P-Omni 15000
Heavy modular



25,000 KG
P-Omni 25000
Battery & turbine



40,000 KG
P-Omni 40000
Heavy-haul flagship

Zero turning radius.

PAYLOAD	5,000 kg
FOOTPRINT	1,750 × 1,000 mm
DRIVE	4× independent steer
MOTION	Fwd · Lateral · Diag · Rot
TOP TIER	40,000 kg



THE SOFTWARE · SINGLE-ROBOT CONTROL

Arceux Control.

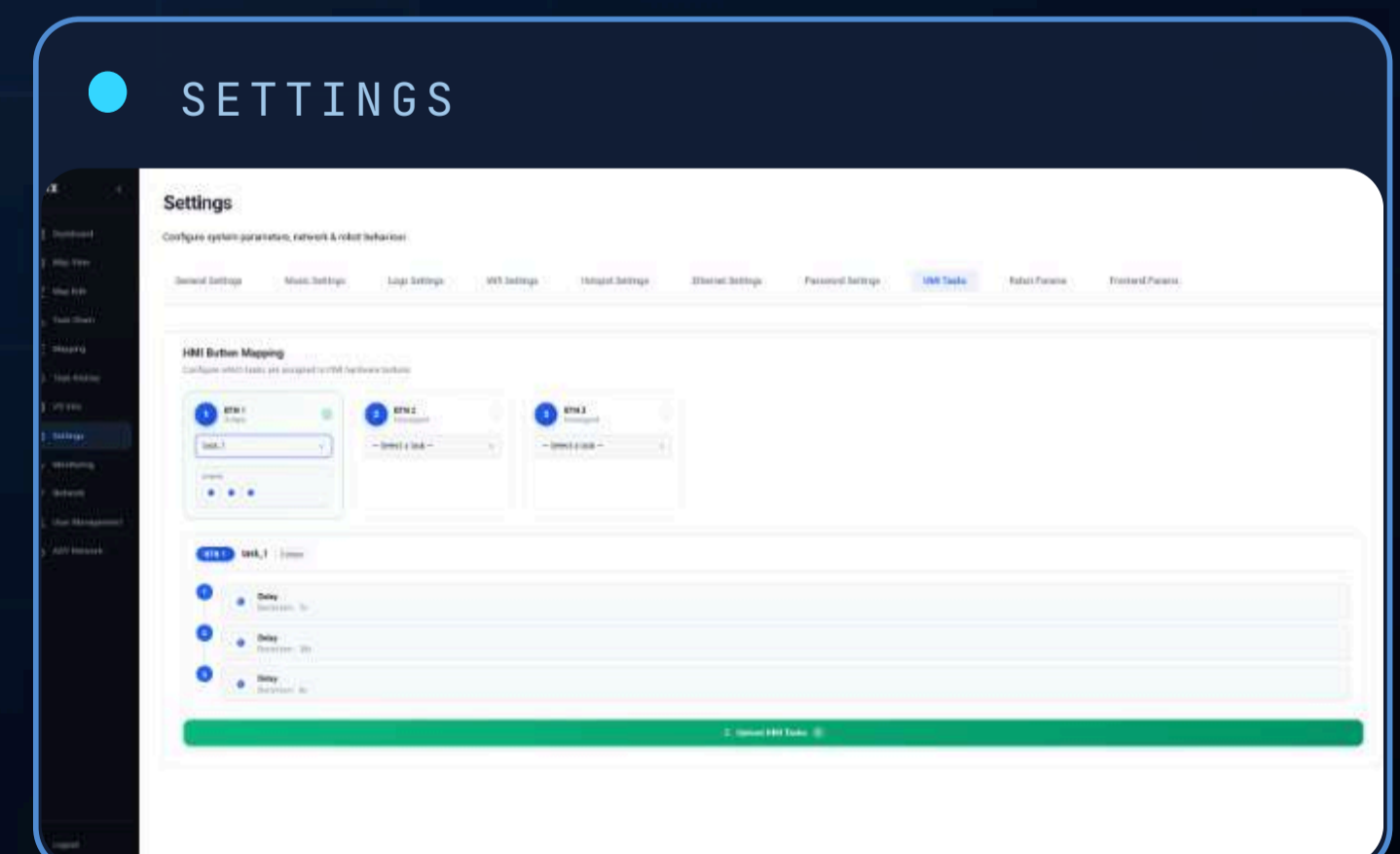
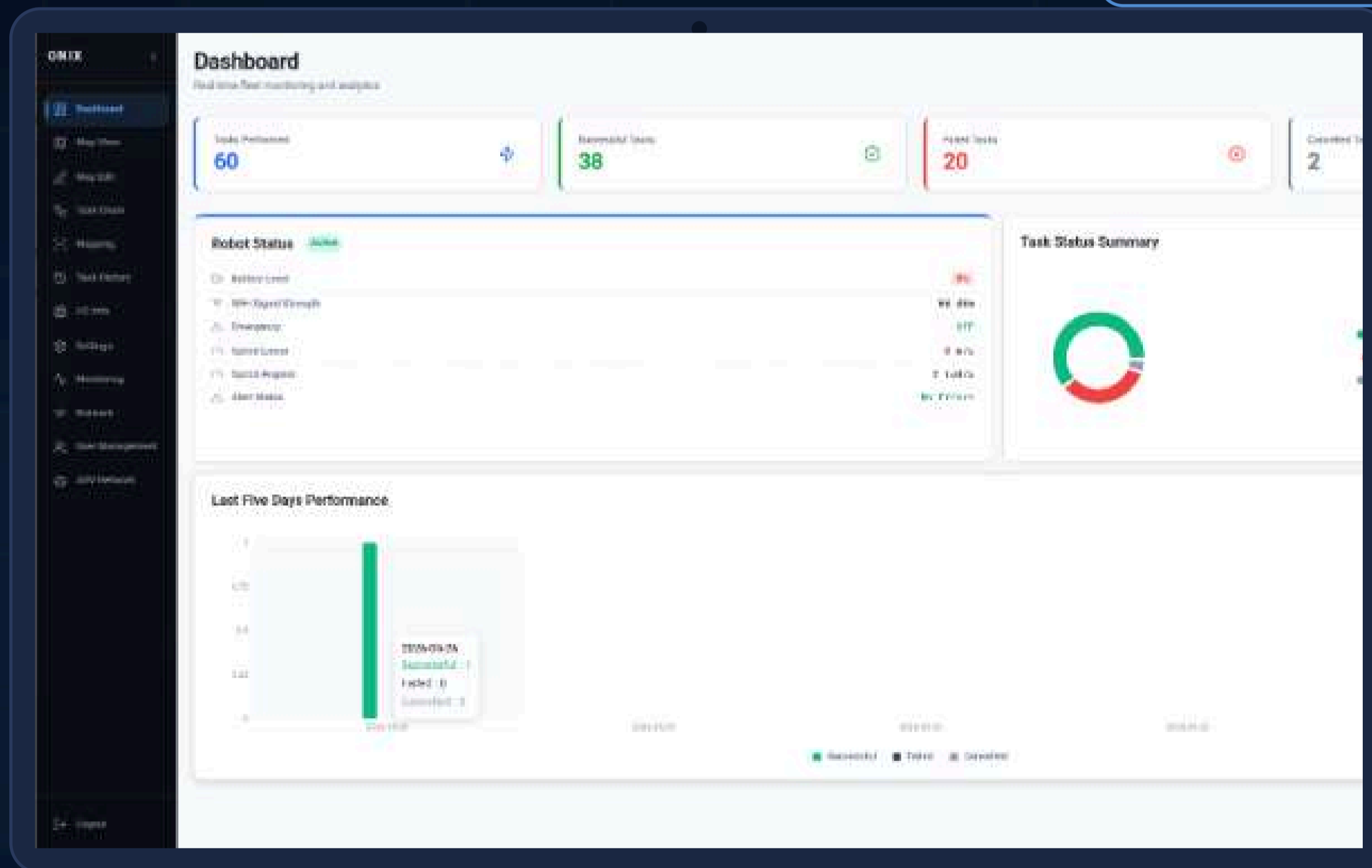
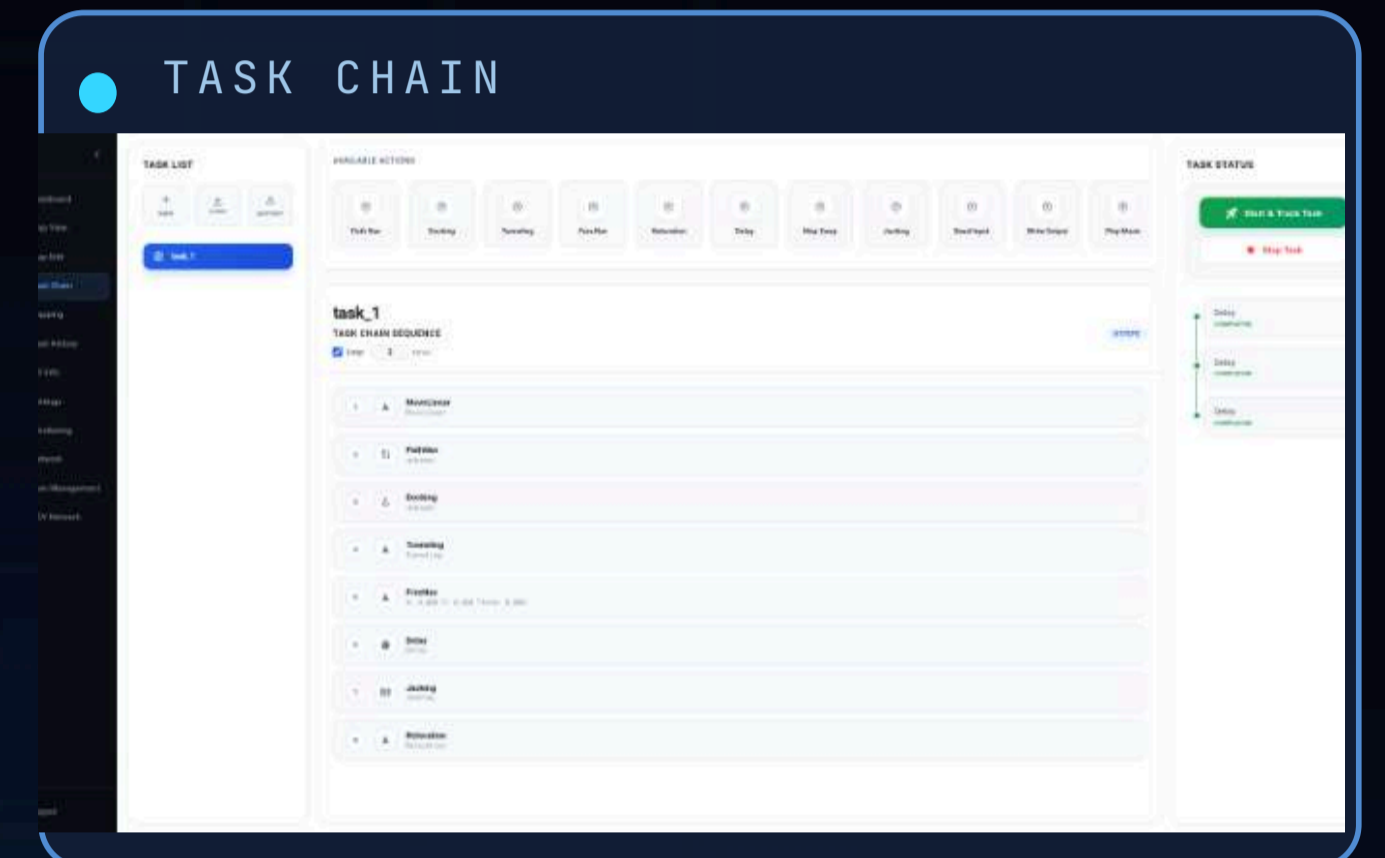
The control room for your robot — real-time monitoring, live SLAM mapping, drag-built task chains and I/O control, all from a single browser tab.

60
TASKS PERFORMED

Active
ROBOT STATUS

99.4%
UPTIME

5
NAV MODES



01
Dashboard
Live robot status & KPIs.

02
Map View / Edit
Build & annotate SLAM maps.

03
Task Chain
Drag-build mission sequences.

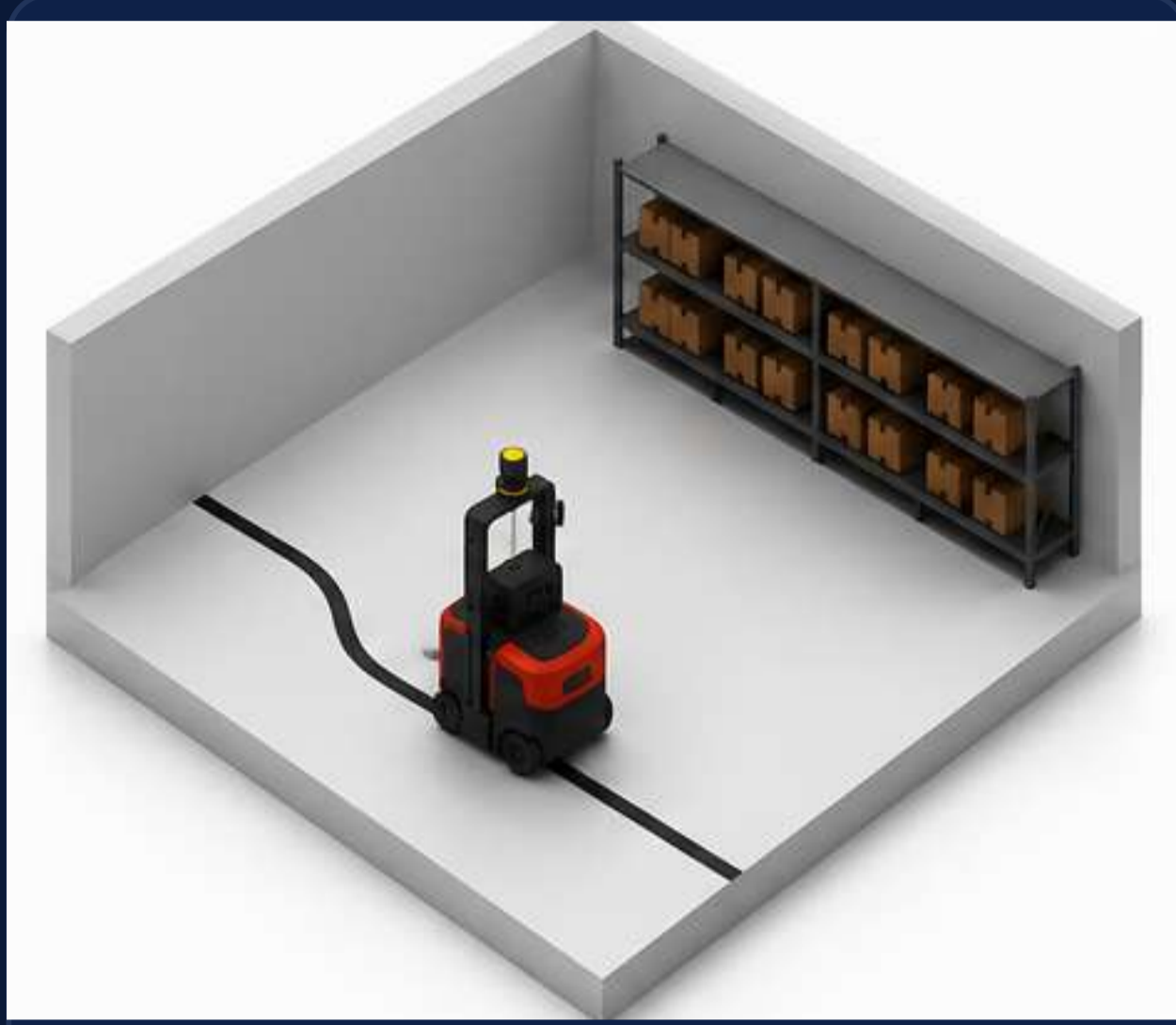
04
I/O & Monitoring
Live signals & telemetry.

05
Task History
Audit every completed run.

NAVIGATION TECHNOLOGIES

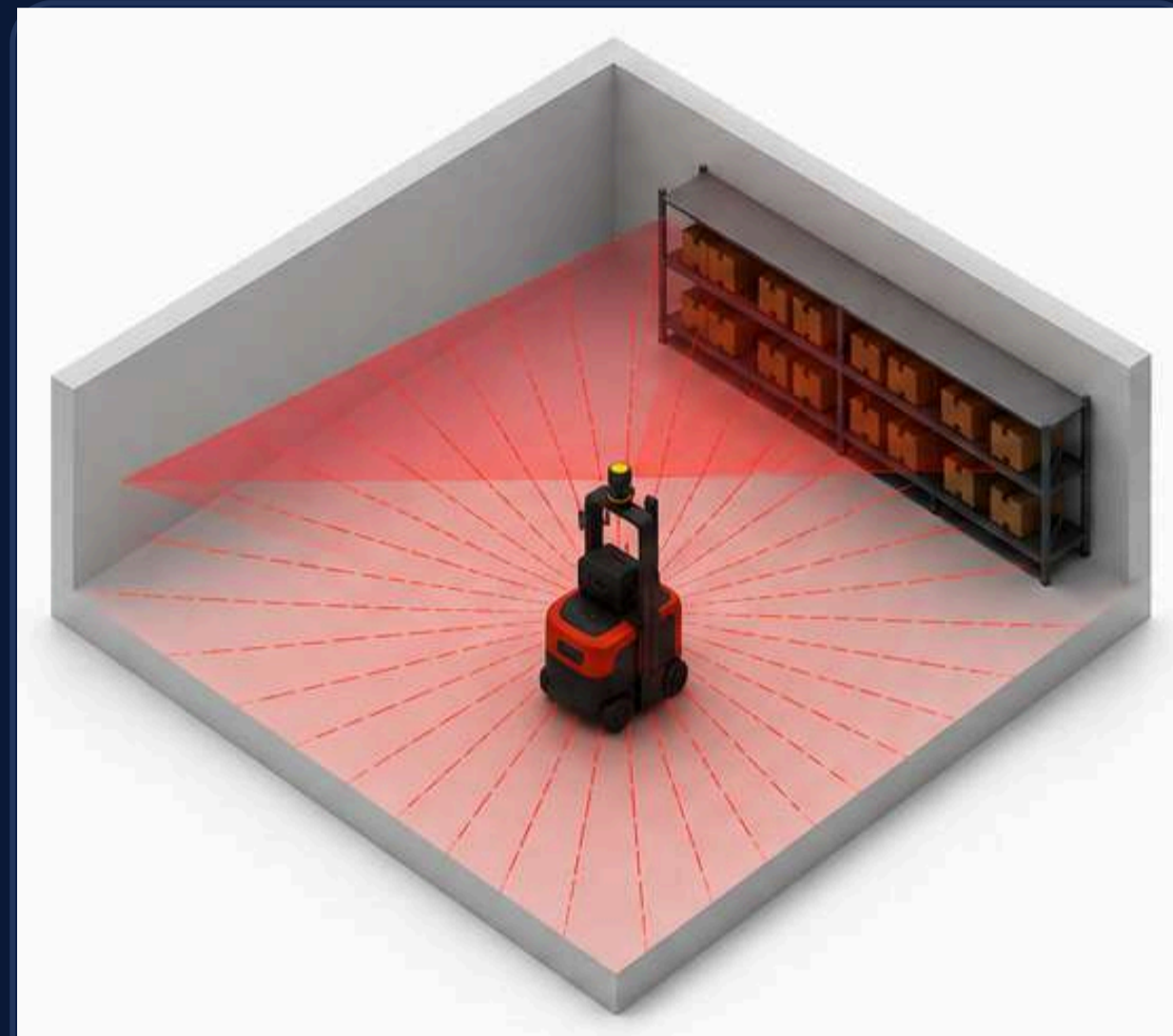
Five proven nav modes. Mix per site.

Every robot supports five deployment-ready guidance modes — hot-swappable and combinable to fit your floor.



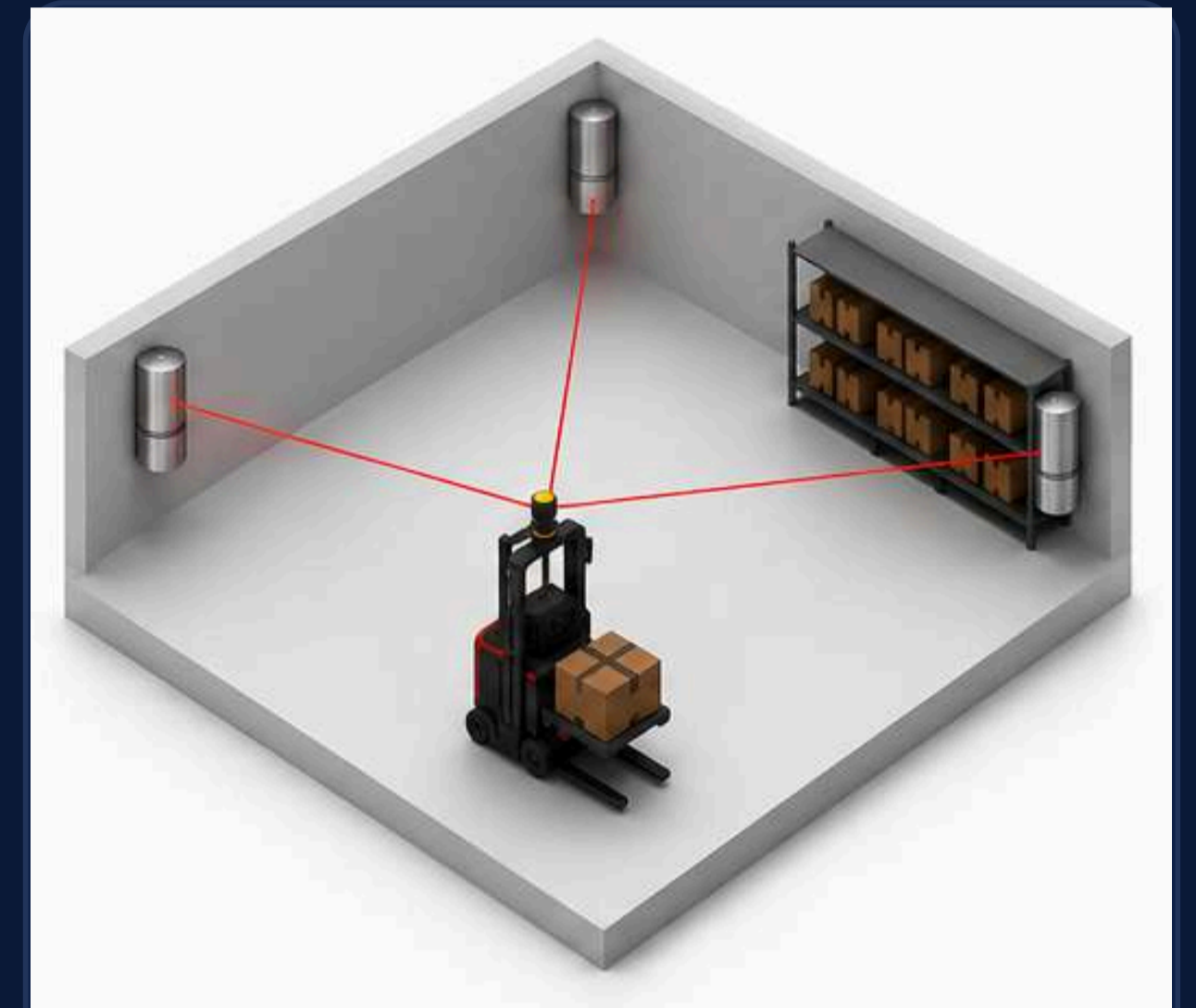
01 / MAGNETIC
Magnetic Following

Path-locked tape guidance for permanent, high-cycle routes.



05 / NATURAL SLAM
Natural SLAM

Laser-SLAM on existing walls & racking — zero infrastructure.



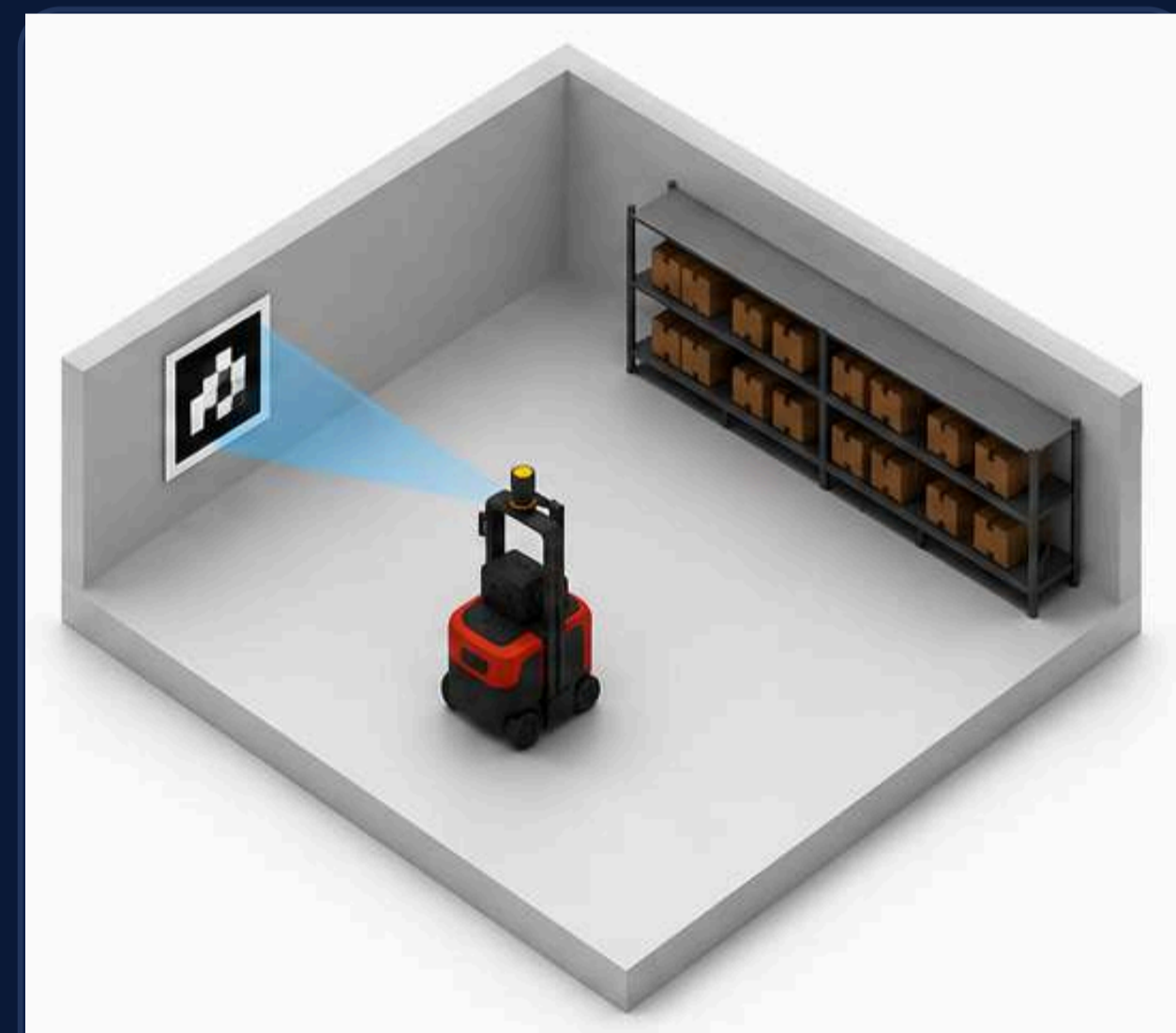
02 / REFLECTOR
Reflector Triangulation

Laser triangulation off fixed reflectors for sub-cm accuracy.



04 / QR
QR Navigation

Floor-coded position grid — reliable, low-cost localization.



03 / MARKER
Marker Navigation

Wall & floor fiducials — quick to deploy and reconfigure.

ONE DRIVE BASE • SWAPPABLE TOP MODULES

Configure the robot for any job on the floor.

Every Arceux base accepts an interchangeable top module and accessory kit — so the same fleet tows, conveys, jacks, picks and charges itself without a separate vehicle for each task.

Top Modules & Load Handlers

INTERCHANGEABLE • PER BASE



Towing

Auto-hitch tugger pulls trolleys and cart trains along milk-run routes.



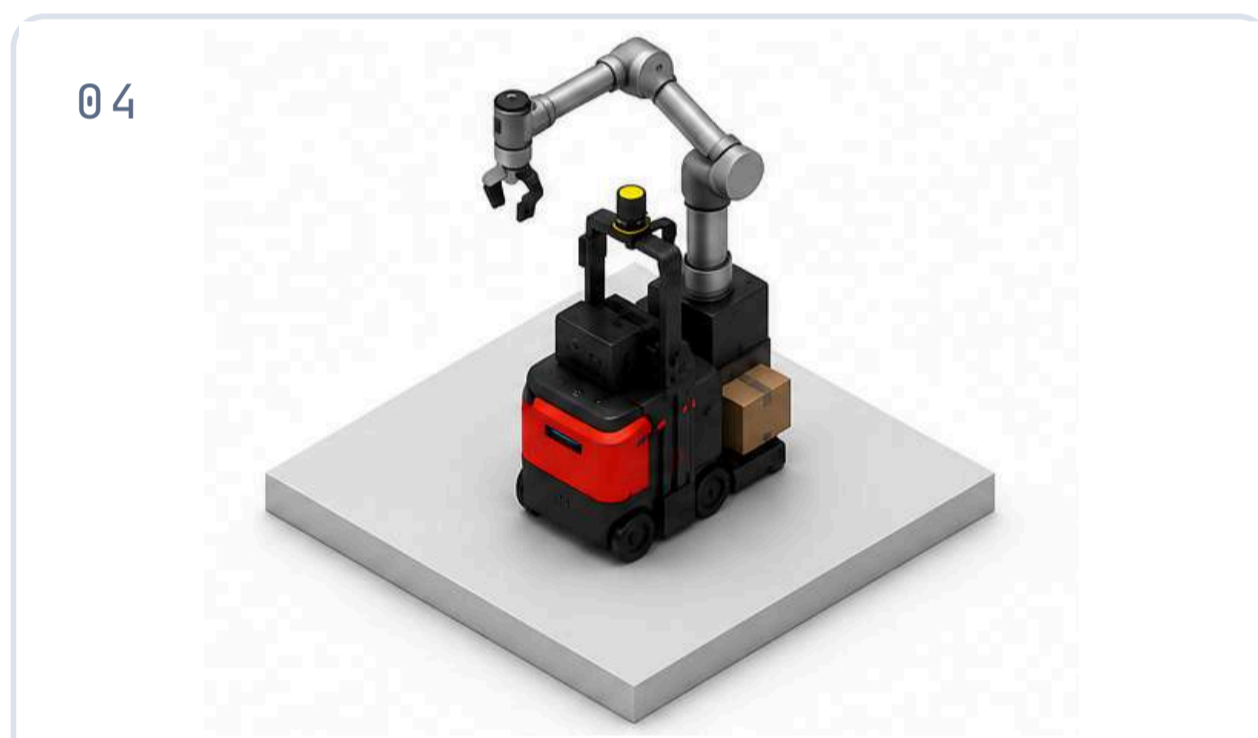
Single Conveyor

Powered roller deck transfers a load to and from a fixed station automatically.



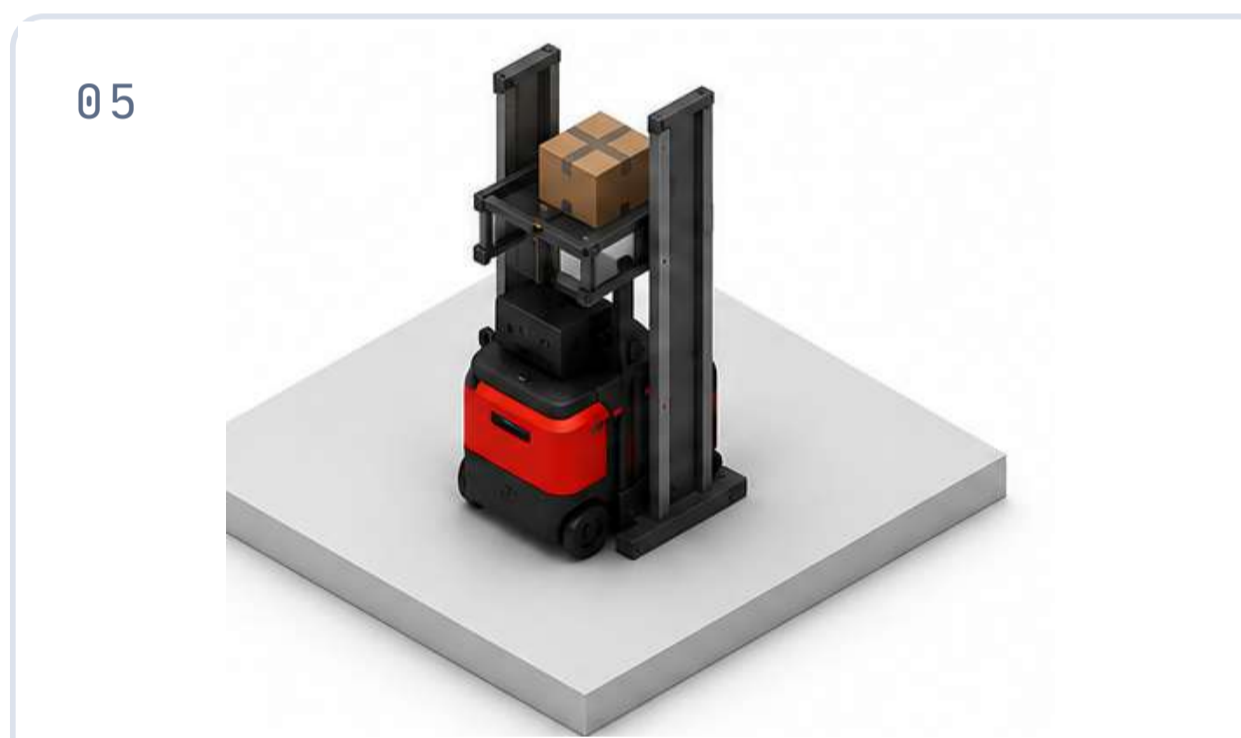
Double-sided Conveyor

Twin roller decks buffer two loads and feed both sides of a line.



Robotic Arm

Collaborative arm on deck for autonomous pick, place and machine tending.



ASRS Pickup Module

Telescopic mast picks and stows totes into high-bay storage racking.



LiDAR Height Extension

Raised LiDAR mast lifts the safety scan plane for tall or mixed loads.

In Operation

ACCESSORIES & SITE BEHAVIOUR



Scissor Lift • Custom Height

Raises the deck to any station height for level, hands-free load transfer.



Charge Docking

Auto-returns to the dock and contact-charges between missions — zero downtime.



Summon Module

Call a robot to any station from a wall panel or app — on-demand dispatch.

More throughput, lower cost, a safer floor.

Arceux is bought for outcomes, not robots — autonomous transport that runs every shift, redeploys people to higher-value work and pays back inside the first year on the floor you already have.

60%
Labour redeployed






Reallocate, don't replace. Manual transport hours move to skilled, higher-value work.

45%
More throughput






Never idle. Continuous, deterministic flow lifts output across every shift.

One base, many jobs



One fleet, many tasks. Swap top modules to tow, convey, lift, pick or charge.

90%
Fewer incidents



Safe by default. Speed-zoned scanning protects people, racks and loads.

24/7
Always running

Around the clock. Auto-docking and charging keep robots working through every shift.

14 mon
Pays for itself

Fast return. Most floors recover the full investment inside year one.

 Scalable as you grow
  Modular by design
  Safe by default
  Built for endurance
  ROI you can see

THE BOTTOM LINE

Robots run every shift. People do the work that actually needs them.

- Lower cost per move — energy & maintenance only, no per-shift labour premium.
- Predictable operations — every task logged, repeatable and auditable in Arceux Control.
- Scales without re-platforming — start with one robot, grow the fleet on the same stack.

INDUSTRIES WE SERVE

Deployed across heavy verticals.

<p>01</p> <p>Warehousing</p> <p>Putaway, replenishment & pallet shuttling.</p>	<p>02</p> <p>Manufacturing</p> <p>Line-side feed & ANDON response.</p>	<p>03</p> <p>Automotive</p> <p>Battery packs & sub-assembly routing.</p>	<p>04</p> <p>Aerospace</p> <p>Fuselage & large-jig positioning.</p>
<p>05</p> <p>3PL Logistics</p> <p>Cross-dock & dock-to-stock runs.</p>	<p>06</p> <p>Pharma</p> <p>Cleanroom carts & GMP traceability.</p>	<p>07</p> <p>Smart Factory</p> <p>MES / WMS-orchestrated flow.</p>	<p>→</p> <p>Your floor</p> <p>Talk to engineering.</p>

WHY ARCEUX

- 01 **Scalable Deployment**

From one robot to many — same control app and stack throughout.
- 02 **Industrial Safety Systems**

Safety lasers, bumpers, redundant E-stops, IEC control.
- 03 **High-Precision Navigation**

Sub-cm pose via 2D/3D laser, IMU & odometry fusion.
- 04 **Arceux Control Software**

Monitor, map & sequence tasks for the robot from one pane.

- 05 **Real-time Analytics**

Live telemetry, task KPIs & exportable history.
- 06 **Custom Workflows**

Task templates & ERP hooks without bespoke code.
- 07 **High-Reliability Design**

Sealed enclosures, automotive drives, LiFePO₄ & auto-charge.
- 08 **Open Integration**

WMS / MES / ERP bridges & standard APIs.

TRUSTED ON THE FLOOR

Our customers.

Arceux robots and Arceux Control run in production at manufacturers and logistics operators across the world.

11 +

ROBOT VARIANTS SHIPPED

15

INDUSTRIES SERVED

99.4 %

FLEET UPTIME

24 / 7

SERVICE & SUPPORT

“Arceux robots slotted into our line in days, and Arceux Control gave our operators a single, clear view of every task.”

– OPERATIONS LEAD • AUTOMOTIVE OEM



ARCEUX

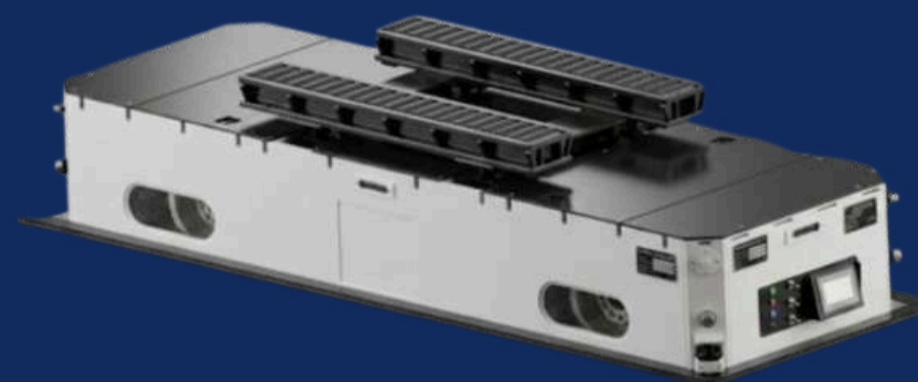
DRIVING THE FUTURE OF INDUSTRIAL AUTOMATION

Let's build your autonomous floor.

DIFFERENTIAL

OMNI

ARCEUX CONTROL



COMPANY

Thedush Robotics Pvt. Ltd.

Engineering · Manufacturing · Deployment

WEB

www.Arceux.com

CONTACT

sales@thedush.com

+91 8925813303

Request a robot demo