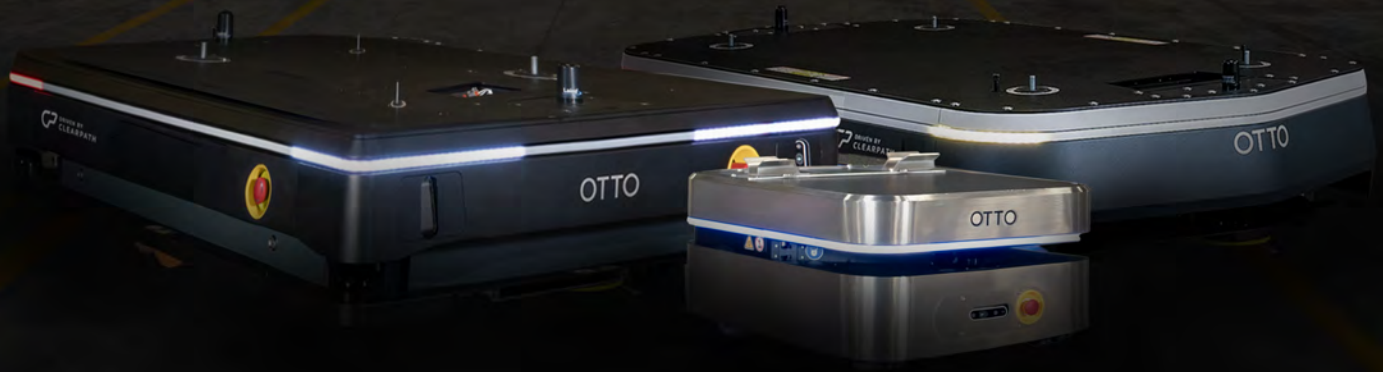




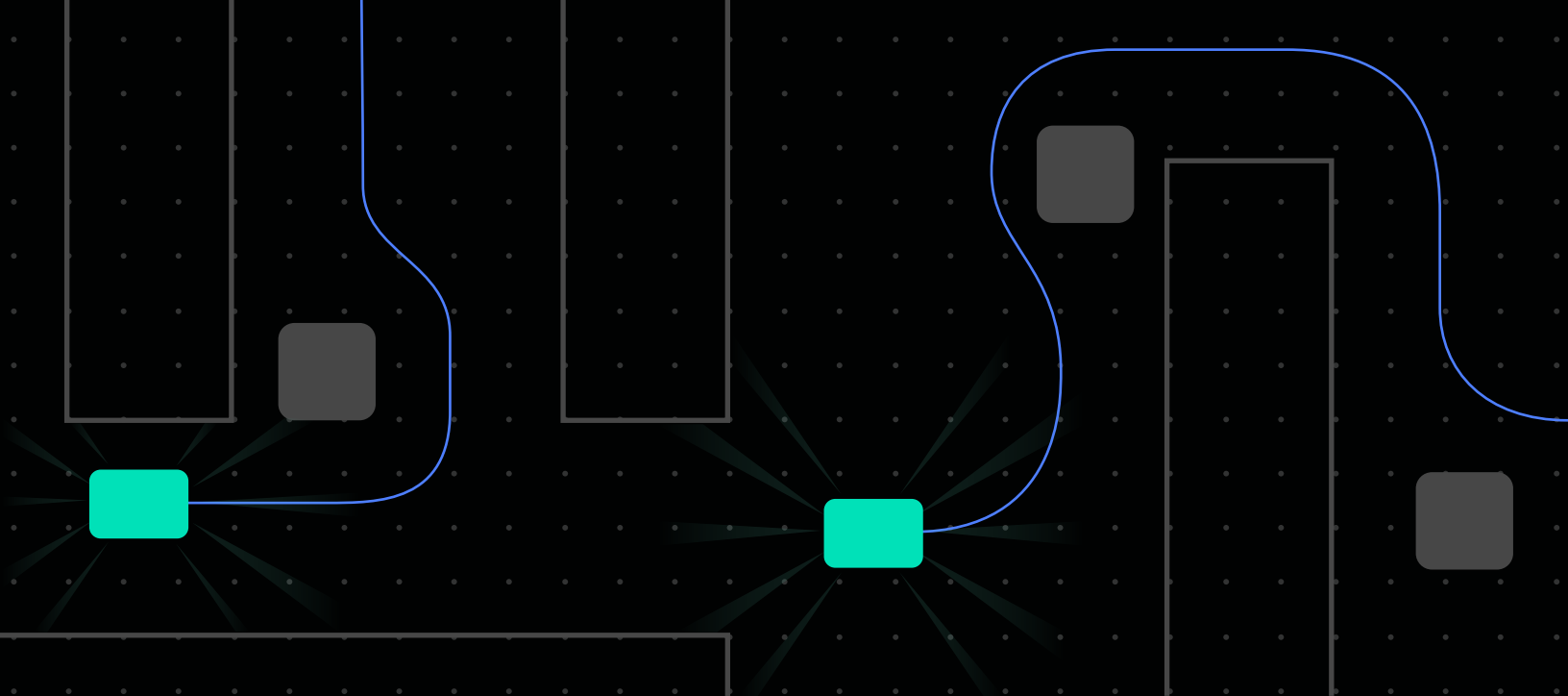
# Mission driven. Enterprise trusted.



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Enable industrial transformation with fully  
autonomous, flexible material handling.



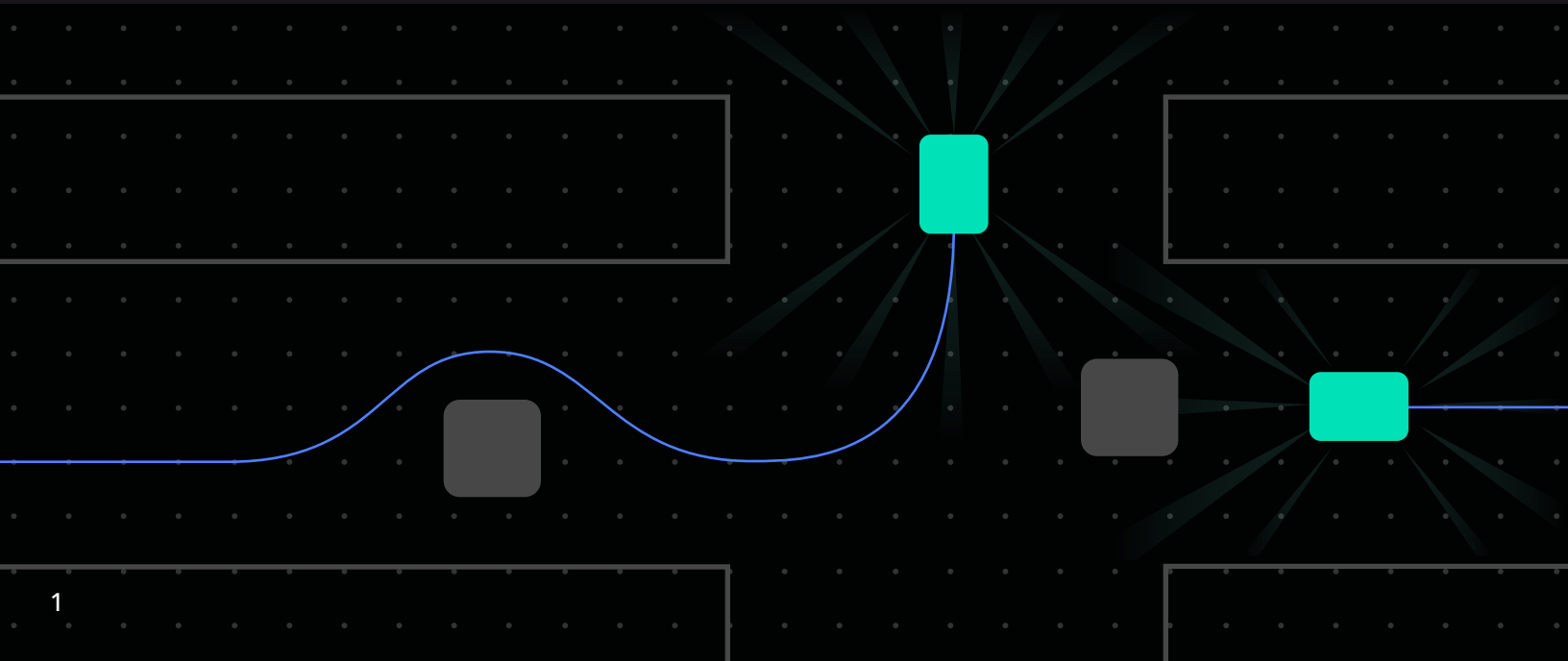


# Get started or go enterprise-scale

The OTTO Materials Movement Platform includes a full range of AMRs and attachments, plus mission control software to manage a single robot or an entire enterprise fleet — easily and securely.

## OTTO finds a way.

No tape, guides, or predefined paths required. OTTO analyzes the environment and makes real-time decisions about its route depending on where it needs to go.



### Increase your plant's throughput

OTTO adds reliability and cadence to your material flow, which improves availability and overall effectiveness of equipment and process.

### Reclaim unproductive floorspace

OTTO enables you to reduce buffer size by making smaller, more frequent deliveries, which reduces WIP and on-hand inventory.

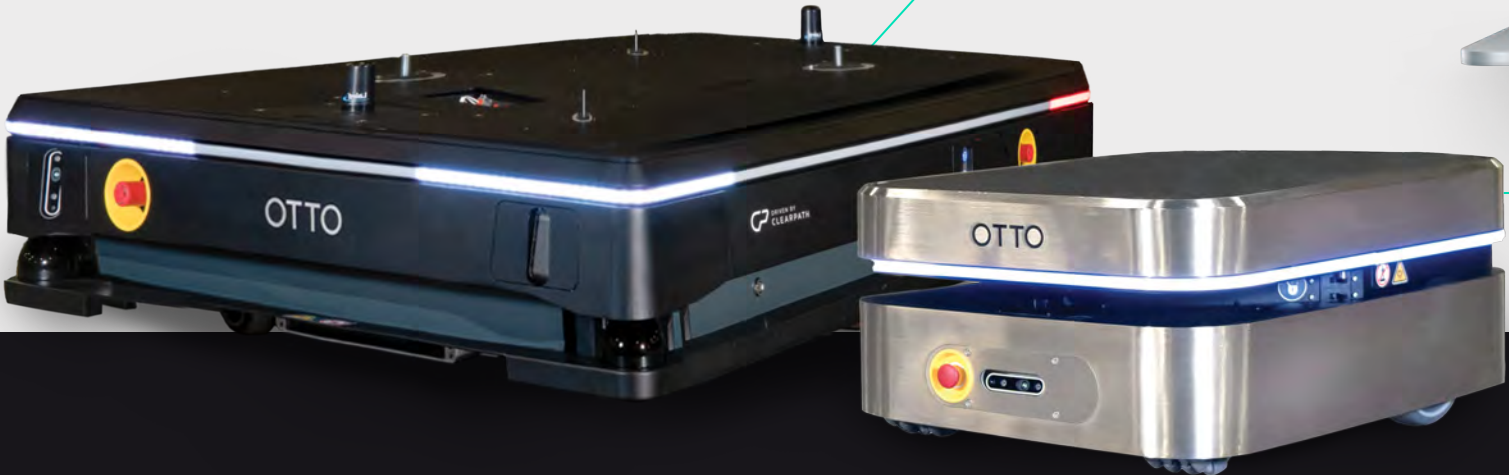
### Standardize manufacturing excellence

The best processes in each facility can be shared with all facilities, distinguishing your brand with a world-class culture of innovation.

# What can OTTO do for you?

OTTO is designed to quickly adapt to different tasks, floorplans, and workflows in just a few clicks.

OTTO combines the flexibility of a person with the efficiency and reliability of automation so the right materials get to the right place at the right time.



Work in Progress  
Transportation



Finished Goods  
Transport



Workcell Delivery



Lineside Delivery



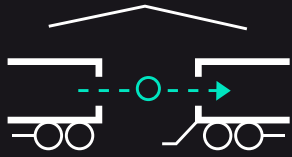
Palletizer to  
Stretch Wrapper



Picking to Pack-Out



Inbound to Storage



Cross-Docking

# Automate your material flow.

OTTO's core robot operating system is what transforms industrial material handling equipment into autonomous mobile robots that can automate your material movements.

**Safe**

OTTO safely navigates around people and infrastructure.

**Reliable**

OTTO uses multiple sensors so it never gets lost in your plant.

**Intelligent**

OTTO intelligently plans routes through dynamic environments.



Kyle Smith  
GE Healthcare

“We really like the on-demand nature of OTTO. It’s where it needs to be, when it needs to be there.”

The OTTO App allows you to use a tablet to connect processes in the palm of your hand.



**Map your facility**

Show OTTO around and build a facility map in real time.



**Add delivery points**

Tell OTTO where pickups and dropoffs need to happen.



**Put OTTO to work**

Send OTTO to destinations in your facility or create bus routes and milk runs.



**Automating your material flow doesn’t require a robotics degree.**

The OTTO App gives you the tools to improve your material flow minutes after taking OTTO out of the box.



# Put your material flow on autopilot with OTTO Fleet Manager™

Manage a single OTTO or hundreds from any device or factory system – easily and securely.

### Material flow coordination

The OTTO Fleet Manager is your fleet’s central dispatch and command center. It manages OTTO’s job queue, dispatches work, and worries about material flow so you don’t have to.

### Uptime with little interruption

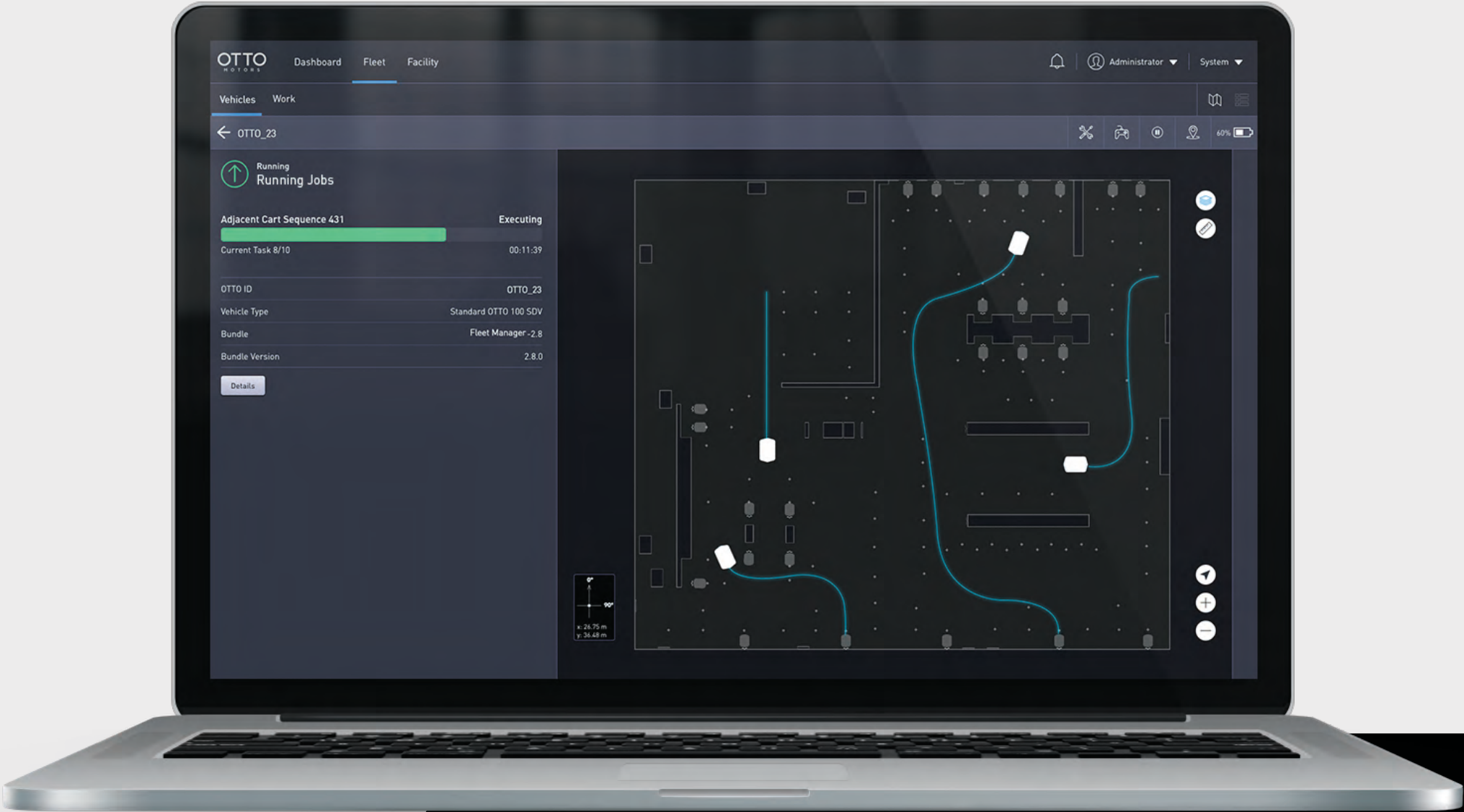
If OTTO is charging, it is not working. The OTTO Fleet Manager works to maximize uptime by sending OTTO automatically to the charger at opportune times for brief, high-powered super charges.

### Data-driven decisions

OTTO connects processes, collects data, and closes the automation loop for insight and action on your production floor.

### Industry 4.0 compatible

OTTO is designed for the factory of the future with powerful APIs for end-to-end automation and the digitization of your material flow.



## Put OTTO to work.

Job assignments that work for your workflow. OTTO can receive simple directions or integrate with existing automation or software.

Workstation dispatch	Scheduled dispatch	Automated dispatch	Software dispatch
Create jobs for OTTO manually with a tablet or computer in the workstation.	Create a customized schedule of jobs by shift, time, or production requirements.	Automated job generation by existing PLCs at process end-points.	ERP, WMS, MES integrations for automated and coordinated moves.

# Designed with your facility in mind.

## OTTO 100

Takes on lighter work currently handled by manual carrying or carts.



OTTO is designed for work in your facility by using one of OTTO's standard attachments, or by connecting to the hardware, power, and communications attachment interface for more creative and customized deployments.



## OTTO 750

Takes on medium-sized work currently handled by manual pallet jacks.

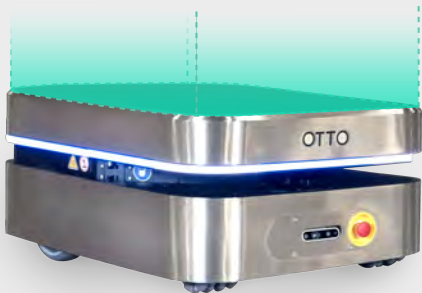


## OTTO 1500

Takes on the heavy work currently handled by manual pallet jacks and forklifts.



OTTO 100 CART BASE



OTTO 100 CUSTOM ATTACHMENT INTERFACE



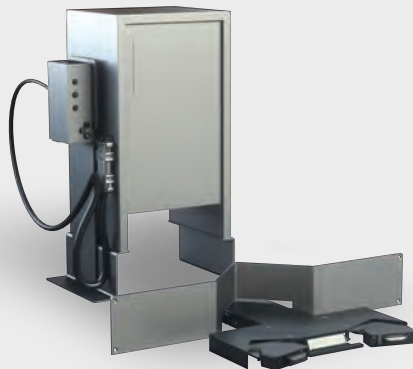
OTTO 750/1500 LIFT



OTTO 100 CHARGE



OTTO 750/1500 CUSTOM ATTACHMENT INTERFACE



OTTO 750/1500 CHARGE

“ Small or large facility, simple or complex workflow, OTTO is designed for your application. ”



# Specifications



SPEED AND PERFORMANCE			
Maximum Total Payload	150 kg (331 lbs)	750 kg (1653 lbs)	1900 kg (4188 lbs)
Maximum Speed	2.0 m/s (4.47 mph)	2.0 m/s (4.47 mph)	2.0 m/s (4.47 mph)
Turning Radius	0 mm	0 mm	0 mm
BATTERY AND POWER SYSTEM			
Nominal Battery Voltage	26.4V	51.2V	52.8V
Battery Capacity	35Ah	100Ah	70Ah
Interfacing and Communications			
Attachments and Accessories	Staging cart with user configurable options including shelving	Conveyor, Lift, OTTO charge dock, portable manual charger, manual drive pendant, load plate	
Integrated Lift	62 mm (2.44") stroke, 150 kg capacity	Separate attachment	Separate attachment
Safety and Autonomy Sensors			
Sensors and Cameras	Hokuyo Safety Laser Scanner, 3D Cameras with 90° front coverage, ToF rear sensor with 90° reverse coverage	SICK s3000 Safety System for 360° visual protection, 3D Cameras for 120° detection front and back from 0-1,700mm above floor	SICK Microscan 3 Safety System for 360° safety protection, 3D Cameras for 127° detection front and back from 0 - 1.7m above floor, 3.5m from the OTTO
Lights and Emergency Stopping	Perceptive 360° LED lighting, 2 emergency stop buttons	Perceptive 360° LED lighting, 4 emergency stop buttons	Perceptive 360° LED lighting, 4 emergency stop buttons (1 per side)



OTTO gives us the flexibility we need.

# We're with you every step of the way.

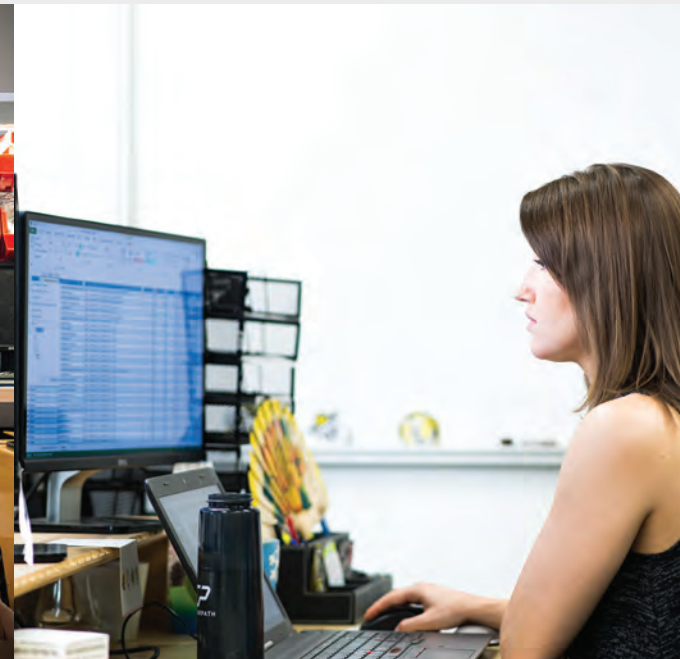
## Professional Services

Our dedicated team of material flow designers, simulation developers, and solution consultants are available to help you map processes and design a solution unique to your business.



## Test Center

Each OTTO system is thoroughly tested 24/7 in our test facility to ensure that you are getting best in class automation that is up to the most critical tasks you can provide.



## Customer Success

Your OTTO customer success team is by your side from your first OTTO to hundreds. Get around-the-clock support from the people who know your OTTO best.

## Integrator Network

We partner with and train a network of industrial automation solution providers to help design, plan, and execute on your next project.







# Get Started With OTTO

[amrobotics.eu](https://amrobotics.eu)



**OTTO**  
MOTORS

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