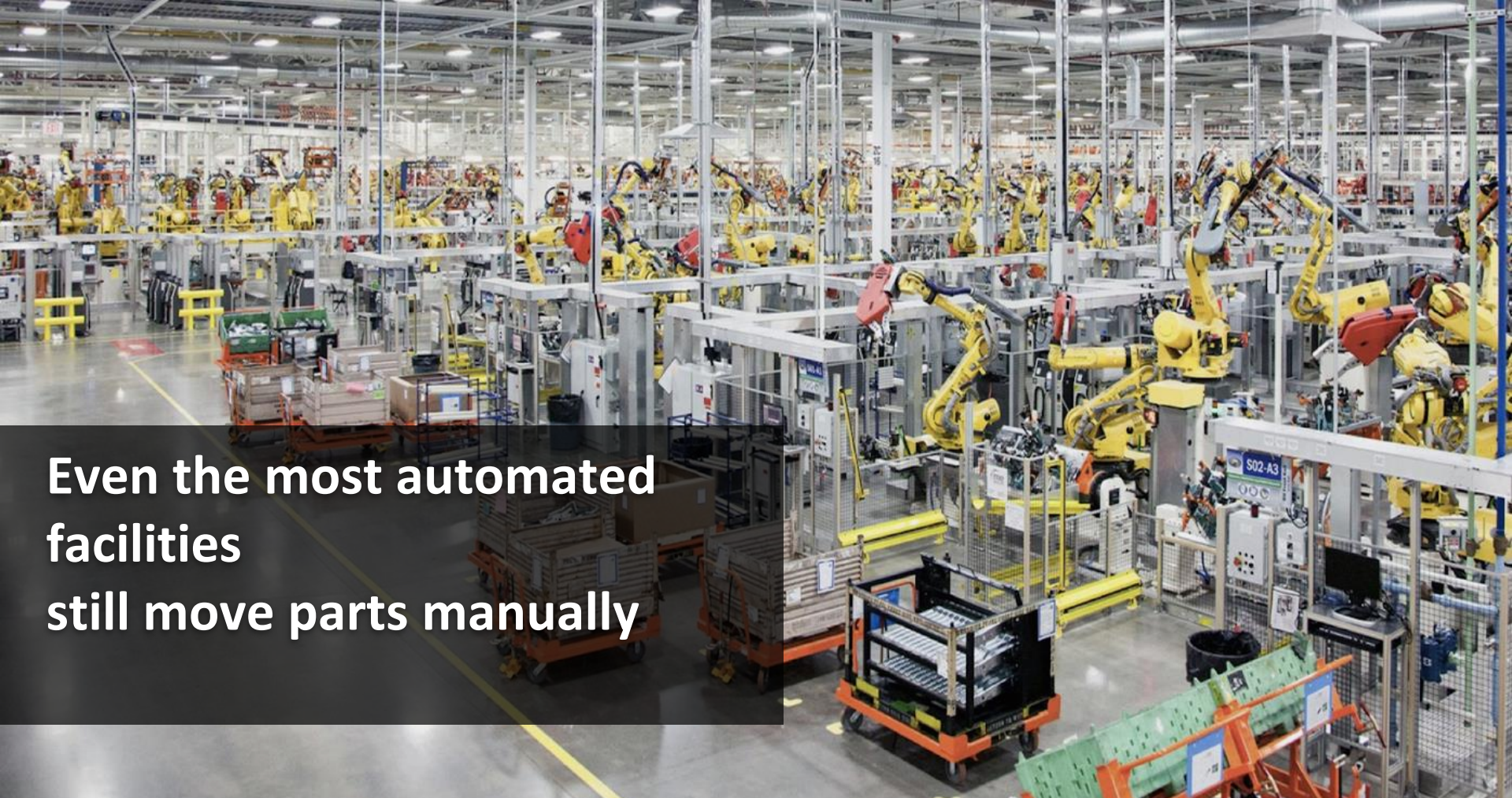


# Amplify Your Workforce

Always on. Always ready. Autonomous Material Handling.



**OTTO**  
MOTORS



Even the most automated facilities still move parts manually



We're facing unprecedented times

- Increased costs
- Limited supplies
- Labor shortages

Automation has moved from nice-to-have to must have. From tactical to strategic.



# Meet OTTO.

Always on, always ready autonomous material handling.

**100+**

sites  
globally

**12**

years material handling  
experience

**10%**

the cost  
of an FTE



**OTTO**  
MOTORS



**“OTTO delivers scalability,  
flexibility and profitability in  
your manufacturing facility.”**

**- Lilly Sarikas, President  
Conveyor & Automation**





**“We really believe that OTTO brought to us the most reliable performance on the market. We want to make it a standard of our material flow across the factory.”**

**- Will Miller, Director, Operational Services, Danfoss**

# OTTO delivers results

**100%**

safety rate at Sunview Patio Doors, zero accidents in 16 months since implementation



**24/7**

lights-out manufacturing achieved at HIROTEC AMERICA



**1.3M**

saved at GE Appliances within one year of implementation



**66%**

floorspace saved at GE Healthcare



GE Healthcare

**97%**

reduction in cycle times reached at Cober Solutions

cober

**10%**

the cost of FTE

Fortune 500 Consumer Packaging Manufacturer

**OTTO**  
MOTORS

# OTTO is quickly becoming one of the largest indoor logistics operators in the world

**3M** production  
hours in mission  
critical operations

**400k**  
deliveries  
completed every  
month

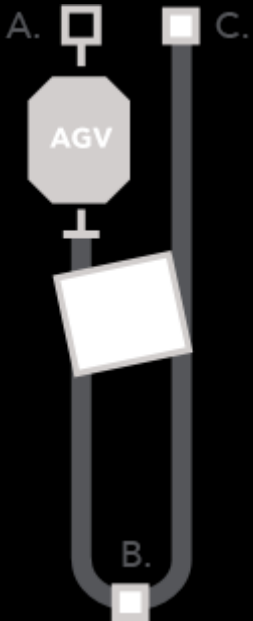
**70%**  
of OTTOs are  
within F500  
companies

**0**  
Safety  
incidents

Backed by over **12 years of industry leading** robotics expertise supporting  
our **global customer base**



# An AGV is Not an AMR



## Autonomous Guided Vehicle (AGV)

- Pre-programmed
- Relies on physical infrastructure such as magnetic tape, wires, beacons
- Fixed paths in a controlled space



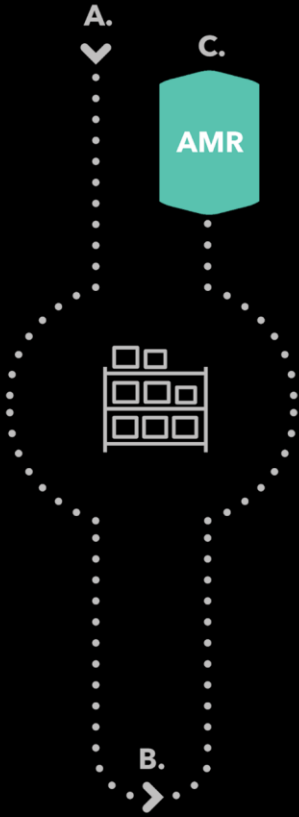
- Behaves like a conveyor
- Point A to Point B

## Autonomous Mobile Robot (AMR)

- Onboard intelligence
- No physical infrastructure required to move and navigate around a facility
- Machine learning enables the robot to become more efficient and accurate as it encounters new situations



- Behaves like a material handler (labor)
- Operational flexibility



# The OTTO Difference

Fully autonomous and flexible material movement



## No physical infrastructure

- Minimal upkeep
- Easy to change your plans and experiment



## Intuitive experience

- Simple design tools and scalable solutions
- Integration with existing systems



## Heaviest payload

- Flexibility with product and appliance design
- Minimize fleet size and complexity



## Dedicated tech support

- On-demand documentation and training
- Knowledge Base access



## Data, analysis & insights

- Fleet analytics to maximize performance
- Trigger-based smart notifications

# The OTTO Material Handling Platform

Fully autonomous and flexible material movement





# OTTO Autonomous Mobile Robots



**Automate pushcart delivery routes using OTTO 100.**

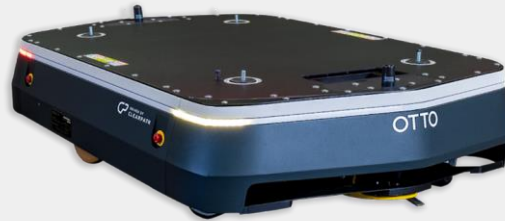


## OTTO 100

Small and agile; perfect for human-scale loads up to 150kg (330 lbs).



**Pump truck delivery routes using OTTO 750.**



## OTTO 750

Nimble yet strong enough to move loads up to 750kg (1600lbs).



**Automate forklift or other heavy equipment delivery routes using OTTO 1500.**



## OTTO 1500

Durable like a forklift and designed to move loads up to 1900kg (4200lbs).

# Built to Maximize Uptime

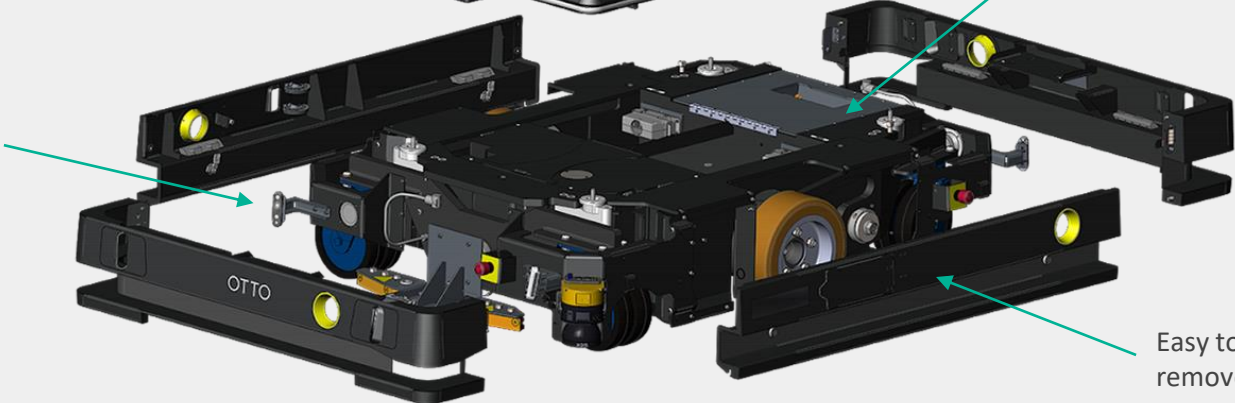
Thoughtful design for easy access and, industrial grade parts for durability



Quick access panels to battery, power and drive bay, and electronics



10,000 full charge cycles + intelligent battery management provides +5 years battery lifetime



LiDARs, cameras, e-stops, wire harness located on chassis

Easy to remove skins

# OTTO's Autonomous Execution System

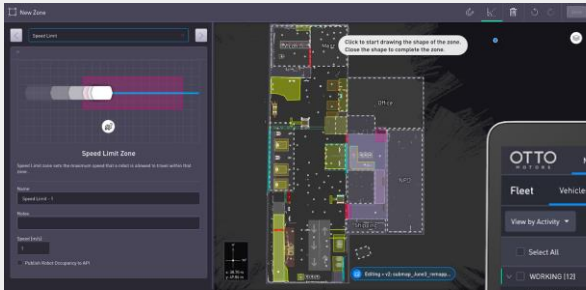
## Integrate with Existing Systems

Streamline handoffs in complex workflows with flexible APIs.



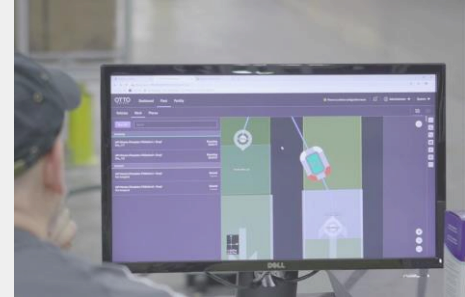
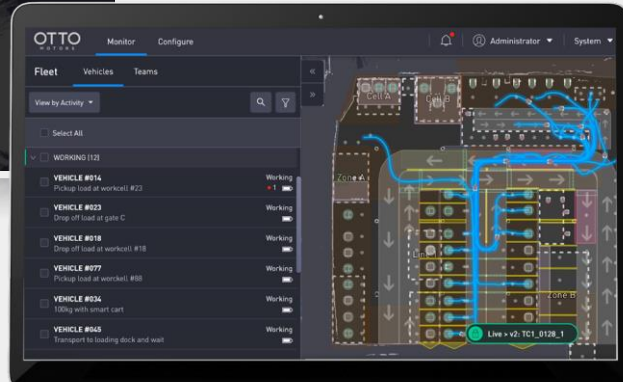
## Informed Decision-Making

Powerful analytics to maximize performance and ROI. Trigger-based smart notifications.



## Facility Scale

Manage hundreds of robots through a single interface. Intelligent job scheduling and dispatch.



## Simplicity Out of the Box

Start moving materials in 5 mins. Dynamically map environments in real time.

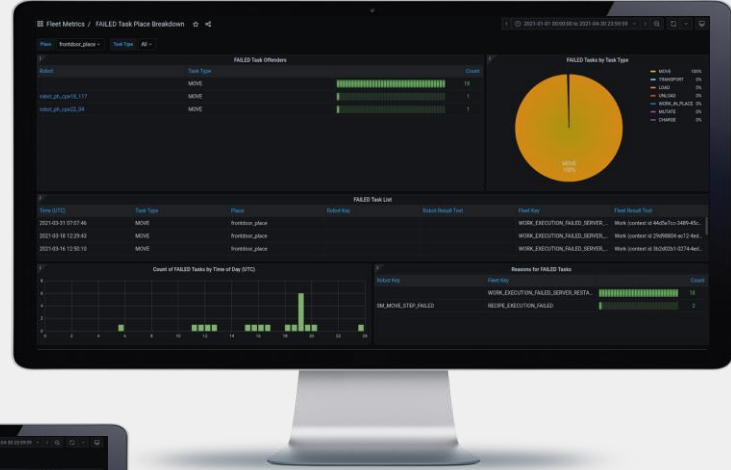


# Powerful Data & Analytics

At a glance detailed statistics for each job



Fleet Manager: Drill down to hotspots



Overall performance



# OTTO delivers results



Reduce  
Costs



Amplify  
Workforce



Optimize  
Production



Improve  
Safety



TRUSTED BY



Amway

CATERPILLAR



Celestica™

Danfoss

Ford

Ready when you are.

Always on, always ready autonomous material handling.



OTTO  
MOTORS