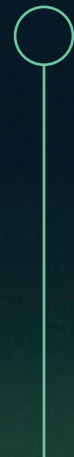


ENRX

ENRMOVE®

WIRELESS CHARGING FOR FORKLIFTS, AGVS AND MOBILE ROBOTS

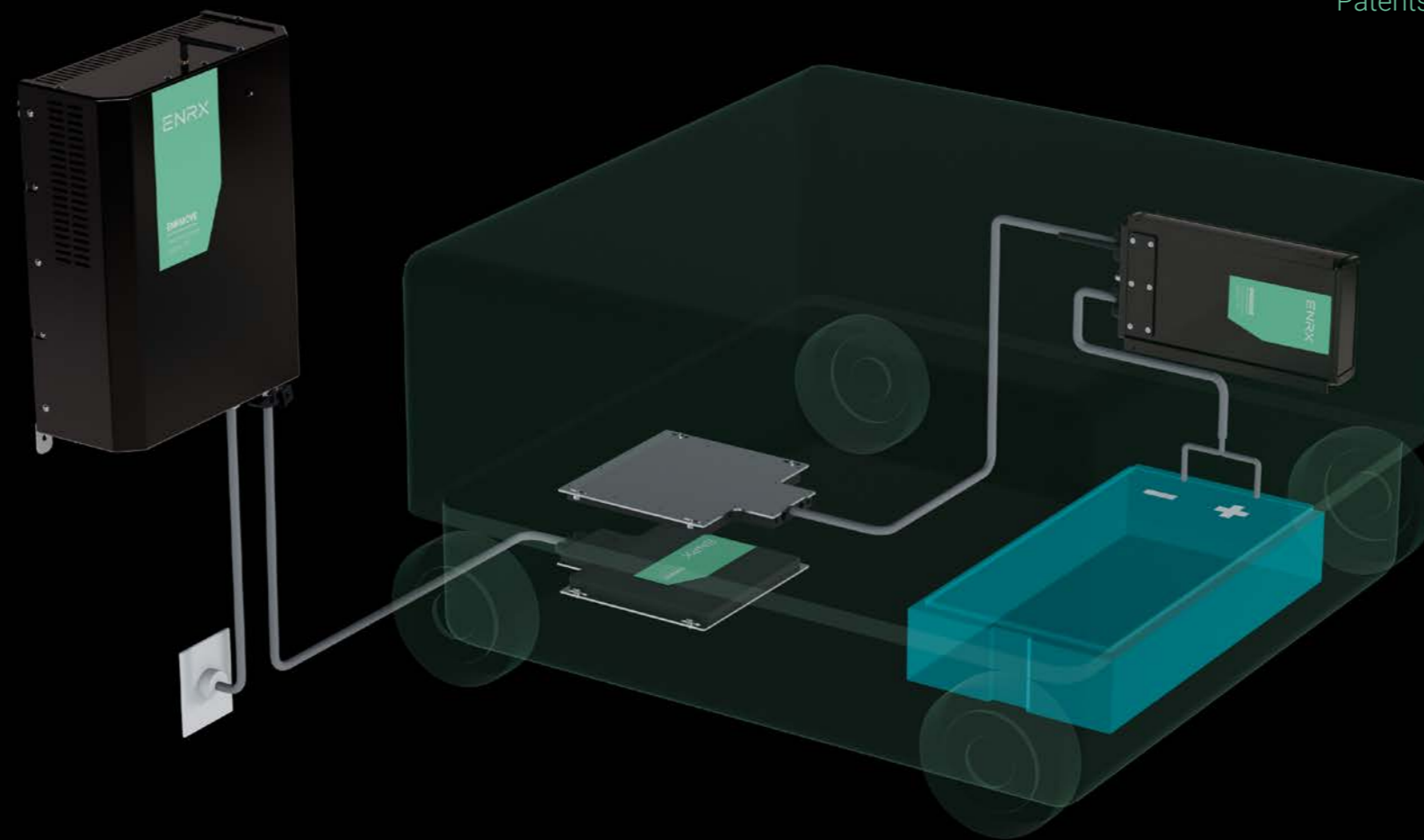


# The smart way to charge

The shift to smart factories, warehouses and logistics centres is accelerating. However, charging remains a bottleneck. Forklifts, Automated Guided Vehicles (AGVs) and mobile robots depend on well-planned charging cycles. On top of that, cables and connectors wear out, causing costly and sometimes also unplanned downtime for maintenance.

ENRMOVE transforms charging into an integrated and seamless part of operations. Wireless inductive charging allows efficient planning of vehicle charging and eliminates physical connectors. No need for dedicated charging zones or manual intervention. No wear and tear. It's a flexible and future-proof system allowing 24/7/365 operations.

Make the most of smart charging. ENRMOVE boosts uptime and competitiveness, paving the way for autonomous and uninterrupted operations. Let's embrace the future of charging and move beyond outdated constraints in intralogistics.



Kilometres of wireless charging **25M+**  
Since **1996**  
Patents **1200+**

## Experts in inductive power transfer

ENRX has been advancing inductive power transfer since 1996, delivering wireless charging and contactless power supply systems. With a global presence and proven expertise, we support businesses in achieving reliable and efficient energy transfer. Whether you're exploring new possibilities or looking to optimise existing operations, we're here to help.

## WHERE TO USE

### Applications:

- Wireless charging for Automated Guided Vehicles (AGVs)
- Power supply for Autonomous Mobile Robots (AMRs)
- Inductive charging for forklifts and industrial transport systems

### Industry:

- Warehousing and logistics
- Manufacturing and assembly
- Airports and distribution hubs
- Postal and parcel logistics
- Cleanroom and pharmaceutical facilities

# Always ready for the next task

A vehicle that is waiting is a vehicle that isn't productive. ENRMOVE turns every stop into a charging opportunity, keeping AGVs, AMRs and forklifts powered and ready to go. Fully autonomous and maximizing uptime, it allows operators to stay focused on other tasks without managing or monitoring charging sessions.

## **Charge without interruptions**

Wireless charging keeps vehicles in motion, eliminating the need for scheduled stops and manual intervention. ENRMOVE seamlessly integrates into existing workflows, allowing vehicles to charge during natural process stops. This ensures a constant power supply, maximising productivity while reducing operational disruptions.

## **Virtually maintenance-free**

Traditional charging systems rely on mechanical connectors that wear out over time, leading to frequent maintenance. The contactless design of ENRMOVE eliminates the need for plug-in connectors or exposed electrical contacts. With no moving parts to clean or replace, maintenance requirements are reduced to near zero.

## **Reliable and space-efficient**

ENRMOVE optimises space by removing the need for dedicated charging stations. Designed with electromagnetic compatibility (EMC) in mind, it ensures safe and interference-free operation—even in sensitive environments such as cleanrooms, cold storage and hazardous areas.

## **What does ENRMOVE stand for?**

ENRMOVE merges "Energy" and "Move" to symbolize its role in providing power exactly where it's needed—ensuring uninterrupted vehicle operation.

# This is ENRMOVE

ENRMOVE is a high-efficiency wireless charging system that keeps intralogistics vehicles constantly powered. With over 90% overall efficiency, it ensures minimal energy loss and high fleet availability. Its encapsulated design withstands dust, moisture and mechanical impact.



## STATIONARY COMPONENTS



### **Inductive Power Supply (IPS): The heart of the system**

The IPS power source delivers a stable and controlled energy supply, ensuring efficiency and continuous performance.



### **Primary Coil (PCO): Power from any angle**

The PCO can be mounted on the floor, walls or even overhead, transmitting power wirelessly to vehicles positioned above, beside or below. This flexibility allows seamless integration into any industrial layout.

## MOBILE COMPONENTS



### **Secondary Coil (SCO): Precision in every charge**

Mounted on the vehicle, the SCO captures power from the PCO regardless of orientation—whether charging from the floor, a wall-mounted system or an overhead coil. Its positioning tolerance ensures consistent energy transfer, even when alignment isn't perfect.



### **Inductive Power Regulator (IPR): Protecting battery life**

The IPR converts inductive energy into DC power, optimising charge cycles to maximise battery health and longevity.

# A family for inductive power transfer

ENRX offers wireless charging and contactless power supply systems for smart factories, warehouses and logistics centres. Our technologies eliminate the need for cables, connectors and manual handling—delivering seamless, high-efficiency energy transfer across multiple applications.



More about our products, applications and the industries we serve

## ENRMOVE®

Static wireless charging for AGVs, AMRs and forklifts, ensuring reliable energy transfer for 24/7/365 operations in industrial environments as well as warehousing and logistics.

## PRIMOVE®

Heavy-duty wireless charging for ports, harbours and public transport, powering electric trucks, buses and off-road vehicles with up to 300 kW high-power inductive technology.

## PWRMOVE®

Contactless power transfer for rail-guided systems, delivering direct energy to electric motors in sorter systems, conveyor lines, EMS solutions, lifts and amusement parks—including underwater applications.

## Get in touch

[info@enrx.com](mailto:info@enrx.com)



# About ENRX

ENRX is a global green tech company driven by induction. We offer induction heating, wireless charging and contactless power supply with low or no carbon footprint for a variety of applications in mobility and manufacturing.

THE RIGHT ENERGY CAN TAKE YOU ANYWHERE • [ENRX.COM](https://enrx.com)

ENRX<sup>®</sup>