



# ez-wheel

The Electric Wheel



# The first electric wheel integrating motor and batteries

**ez-Wheel** proposes the first industrial electric wheel featuring embedded motor and batteries. This revolutionary solution can quickly and easily power any rolling material dedicated to load handling or people transportation.

Motor

Electronics

Carter

Batteries



## Series 300

---



- Diameter 300 mm
- Up to 12 km/h
- Moves up to 1000 kg
- Wireless
- Waterproof
- 5 years maintenance-free lifespan
- Quiet

### Immediate fitting

The series 300 can be fitted immediately on any vehicle chassis or mobile equipment. No electrical connection is needed, since the wheel is self-powered by the built-in battery and driven by wireless communication.

### High torque

The electric motor provides exceptional clearance capability and equipment fitted with the motor can carry loads of several hundred kilograms.

## Series 160

---



- Diameter 160 mm
- Up to 5 km/h
- Moves up to 500 kg
- Waterproof
- Wired version
- External battery version

### Reduced space requirement

The series 160 integrate motor and batteries in an extremely compact format. The wheel is designed with reduced height to fit any low chassis. The robust hub fairing protects all components from knocks and splashing.

### Extended compatibility

The series 160 are available with wire connections or with external batteries to allow junctions to other electrical peripherals.



# Load handling

---

ez-Wheel self-propelled electric wheels are ideal for handling equipment and moving heavy loads.

The motor control system built into the wheel controls braking as well as traction. This function can, for example, limit equipment speed when handling heavy loads on a slope, making it safer for users.

The wheel can operate over a wide temperature range and its waterproof assembly ensures optimum performance in cold chain logistics.



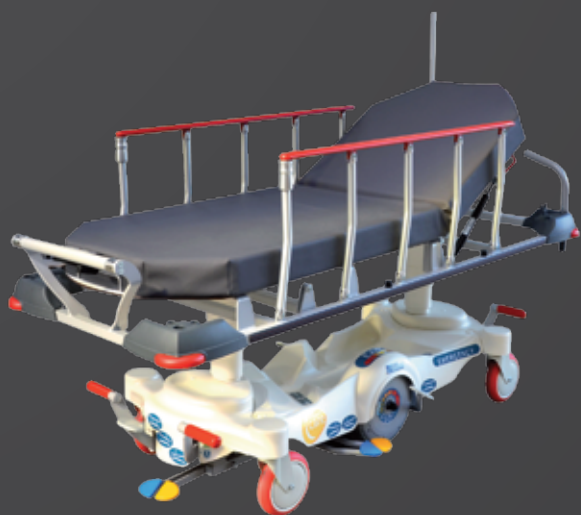
## Healthcare equipment

---

ez-Wheel electric wheels are an effective way of providing electrically powered assistance for mobile medical equipment.

Fitting an ez-Wheel on hospital equipment provides electric traction which can move hundreds of kilograms, without any operating noise. The help in moving and handling makes equipment comfortable for health care workers to use and protects them from injury when performing repetitive movements.

It can be used for a whole day with no need for recharging thanks to the autonomy of the built-in battery. The wheel can be recharged from time to time, whenever the equipment is connected to the mains.



# Series 10"

---



- 10 inches tyre
- Up to 20 km/h
- Up to 150 kg per wheel
- Up to 20 km of autonomy
- Wireless
- Waterproof

## Local authorities and Construction

---

The ez-Wheel modular design gives many possibilities for motorizing mobile equipment. All driven or drawn equipment can be electrically power assisted making it easy and safe for users.

Using equipment fitted with self-propelled wheels is very similar to working with manual equipment. Free-wheeling allows ergonomic handling and users immediately get the feel for it. They take to it naturally, with no change in working habits.

In addition to ease of use, power assisted movement of loads by the electric motor is an effective, recognized solution for reducing industrial injuries and the musculoskeletal symptoms frequently experienced by construction workers.



## Mobility and Delivery

---

The development of clean vehicles is the key path towards sustainable urban mobility. ez-Wheel self-propelled electric wheels offer wide-ranging possibilities for bringing innovative electric and hybrid vehicles on to the market rapidly.

The wheel's robustness and one-piece design make it the perfect solution for fleets of self-service shared vehicles, with the incorporation of a wireless system limiting the risk of vandalism.

The wheel can immediately give electrically powered assistance for any kind of delivery equipment, from a light hand trolley to a 300kg plus delivery tricycle. The electric motor's high torque provides exceptional clearance capability. The wheel's inbuilt autonomy is enough for a whole day of deliveries, stopping and starting hundreds of times.





**ez-Wheel SAS**

P.A. du Grand Girac  
Rue Jean Doucet  
16470 SAINT MICHEL

📞 **+33(0)5.31.61.55.80**

📠 **+33(0)5.45.25.51.01**

info@ez-wheel.com



FRANCE  
2011112793

**ISO 9001**  
v.2008



**100% made**  
in **France**

[www.ez-wheel.com](http://www.ez-wheel.com)