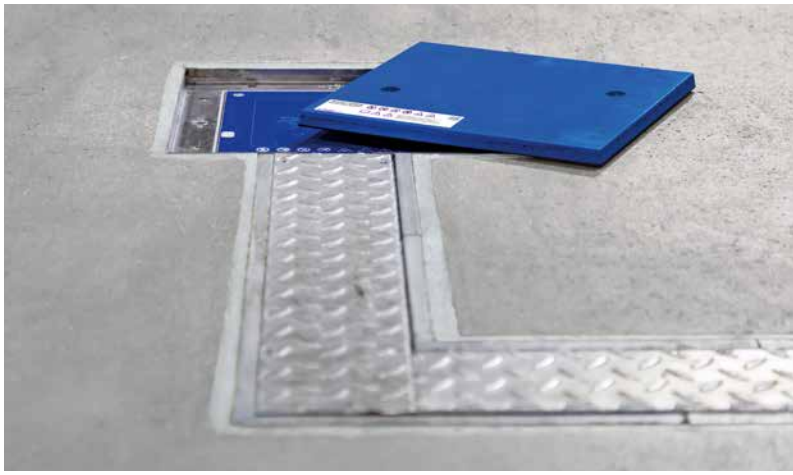
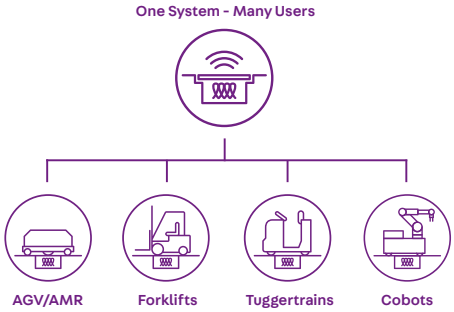
PohlCon & Wiferion a PULS brand

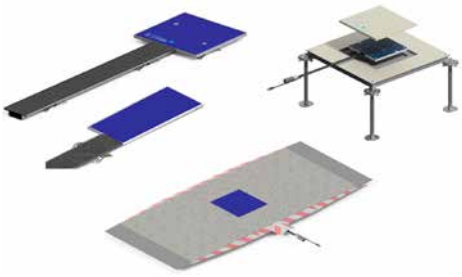


Wireless Charging Protection System

WCPS

The WCPS charging infrastructure is harmonized with the charging technology from Wiferion and also enables interoperable charging of different vehicle classes. The load capacity of the system allows it to be driven over, which enables in-ground use for mixed traffic and intersecting routes. The WCPS is certified as an infrastructure product. Integration into new and existing buildings is minimally invasive, simple and quick.





One system - many users

The WCPS makes it possible for a large number of vehicle types and classes that share routes and tasks to use the system.
It does not matter what type of battery or weight of the vehicle, as long as it is equipped with the technology. The system is accessible from all sides thanks to the flush-floor integration and therefore offers full flexibility for the autonomous the autonomous fleet.

The system at a glance

WCPS is a flexible wireless charging infrastructure system for installing contactless charging stations flush with the floor. The charging infrastructure can be used as a stand-alone solution or in combination with other flush-mounted charging pads. WCPS combines optimum usability with pioneering charging technology, whether flush with the floor, in a raised floor or a ramp-plateau.

Benefits

- Charging infrastructure flush with the floor for driving over
- Process-optimized fleet management through in-process charging
- Up to 30% smaller fleet and up to 50% smaller batteries
- More added value by eliminating separate charging zones and restricted areas
- Up to 80% space saving
- Interoperable system allows flexible use of vehicles
- Avoidance of violent damage to the charging technology thanks to flush-floor integration
- High level of occupational safety due to the elimination of tripping hazards/ exposed cables
- Easy to integrate, both in new buildings and as a retrofit solution in existing buildings

WCPS in Applications

Never stand still

Modern logistics works around the clock, seven days a week. Efficient fleet planning is therefore essential in order to meet the high high demands. Cleverly planned charging points can ensure that the fleet operates at a stable, high charging status and that there are no breaks due to fleet changes or charging times. This is how to make your logistics fit for the future.

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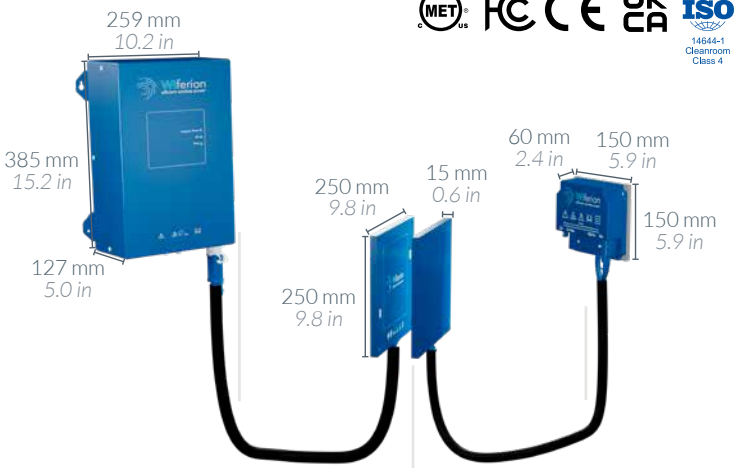
Wiferion a PULS brand & PohlCon

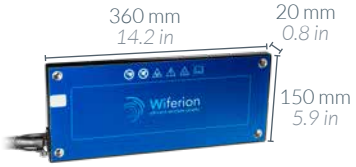
Faster

Safer

Simpler

etaLINK 3000 TECHNICAL DATA





cable length	3 m or 8 m *118 in or 315 in*	0.6 m or 1 m *23.6 in or 39.4 in*		
Stationary Electronics (SE)	**Stationary Coil (SCs)**	**Mobile Coil (MCs)**	**Mobile Electronics (ME)**	**Mobile coil (MCr) for low profile AGVs**

Max. output power	**3 kW**
Output voltage	**15 to 60 V DC**
Max. output current	**Up to 60 A**
Overall efficency	**Up to 93 %**
Position tolerance	**+/- 30 mm (+/- 1.2 in)**
Clearance	**5 to 40 mm (0.2 to 1.6 in)**

Charging process	**Automatic, start up time <1s**
Extension / max. output power	**6 kW to 9 kW through parallel circuit**
Battery type	**Any (lithium technology preferred)**
Ambient temperature in operation	**SE, SCs, MCs: -10 to 40 °C (14 to 104 °F)** **ME: -10 to 60 °C (14 to 140 °F)**
IP protection	**SE: IP20 | SCs: IP65/68** **ME: IP54 | MCs: IP65/68**
Certification	**CE & UL (E115286)** **FFC (Part 18)**

Wiferion a PULS brand

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