



Is your most expensive “employee” still waiting in the charging zone – or are your AMRs already charging wireless during operation?

The provocative question that is reshaping industrial logistics:
Why accept downtime when your fleet could be
productive around the clock?

Automotive giants make wireless charging mainstream

What began as an intralogistics product is developing into a mass market standard in the automotive industry.

Intralogistik-Pionier

charging has become the factory standard in production facilities worldwide.

Automobiladoption

Porsche, BMW, Tesla, Volvo, BYD, Xpeng, Hyundai and Kia are driving massive market expansion.

Market transformation

From niche technology to mainstream solution, reshaping mobility infrastructure.



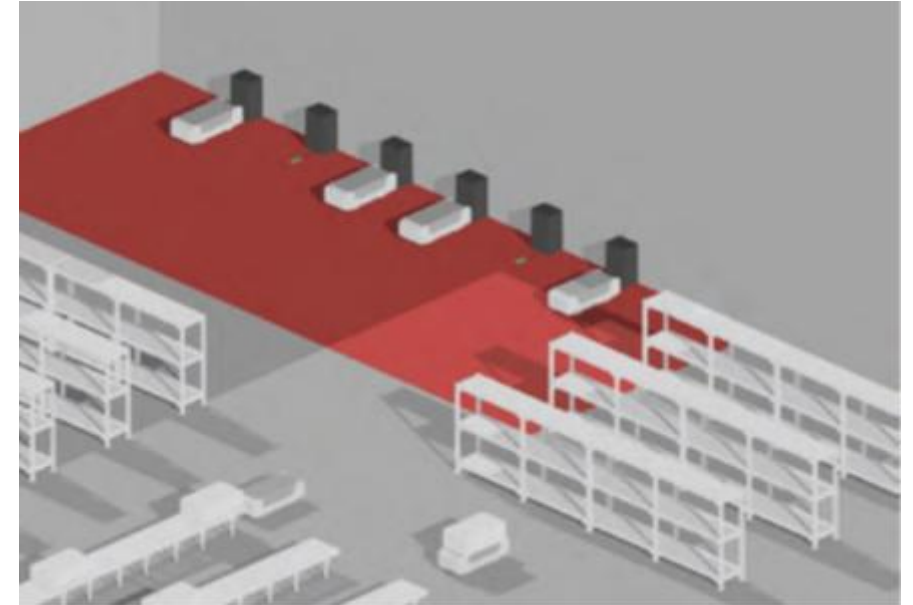
The hidden costs of traditional charging processes

Your fleet spends 20-30% of its operating time in loading zones – making downtime your most expensive ‘employee’.

Traditional charging means: **Stopping. Waiting. Blocking space. Losing productivity.**

An MHP study reveals the groundbreaking effect: 50% more performance with 30% fewer robots required.

In addition, space for charging infrastructure can be saved.



Get the full study here:



MHP
A PORSCHE COMPANY

PohlCon

Business Case

Direct cost savings (TCO)

Maintenance costs

Element	Kontakt laden	etaLINK 3000 (Wireless)
Replacement of connectors	€300–500/Year Robot	€0 (no physical wear)
Labour required for maintenance	~3 Hours per Quarter and Robot	est. 30 Min per quarter
Cleaning + safety checks	Every 2-4 Weeks recommended	0€ once a year
Annual costs (estimated)	1.000–1.500 € per Robot	€0

Savings: ~€1,000+ per Robot/Year



Business Case

Productivity & Uptime Impact

Downtime from Manual/Contact Charging:

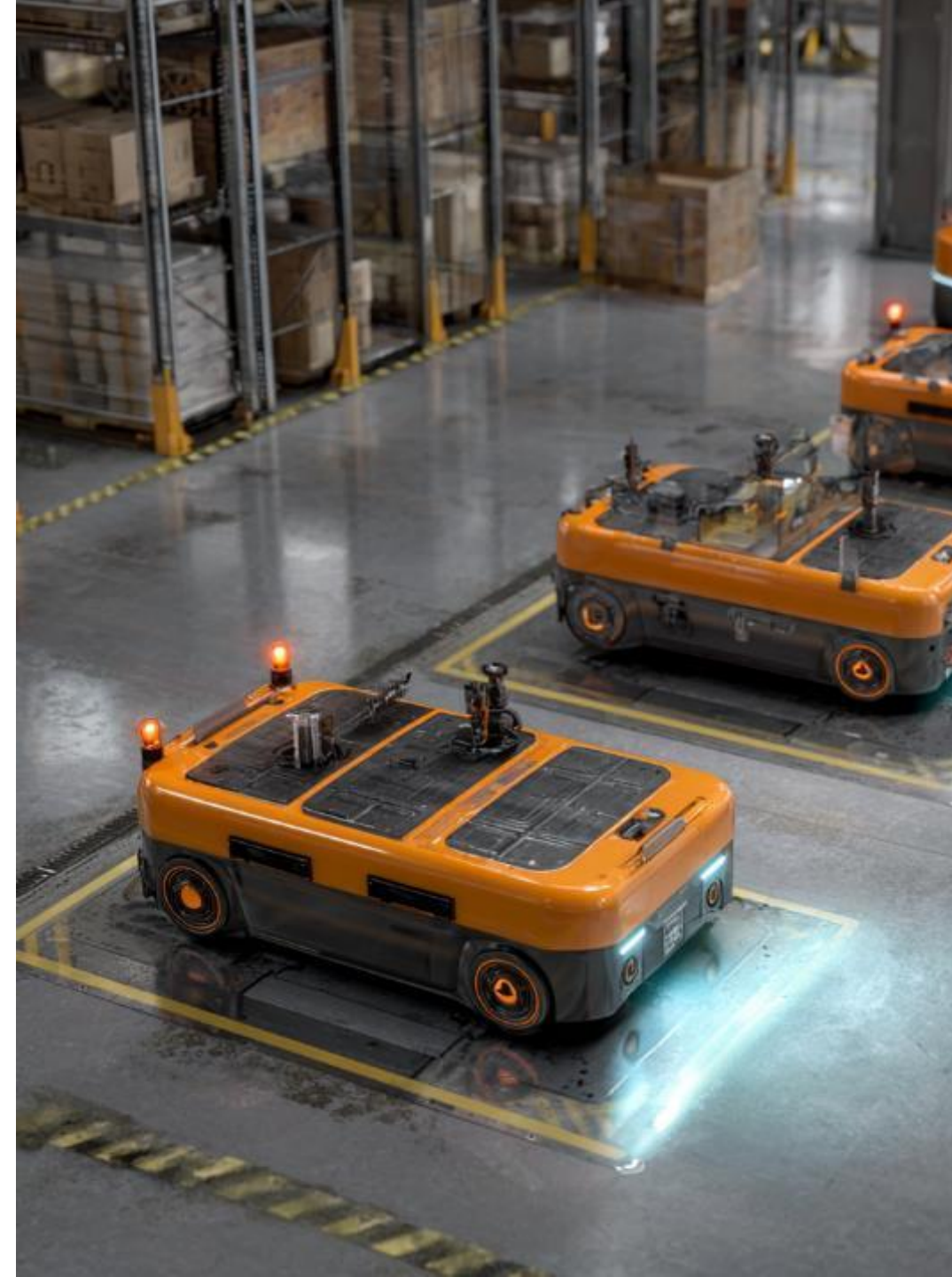
- Average charging dwell time per robot/day (manual or contact): **30–60 min**
- In-process charging saves **~80–100%** of this time
- Real-world data: Up to **32% increase in robot availability**

Business Impact

If a plant operates 25 robots:

- Each robot gains **~30 min/day × 250 days = ~125 hours/year**
- Multiplied by **€50/hour** (conservative productivity value) = **€6,250/year per robot**
- For 25 robots: **€156,250 in productivity gain per year**

Savings through fleet productivity: €150–200k+ annually in mid-size fleets

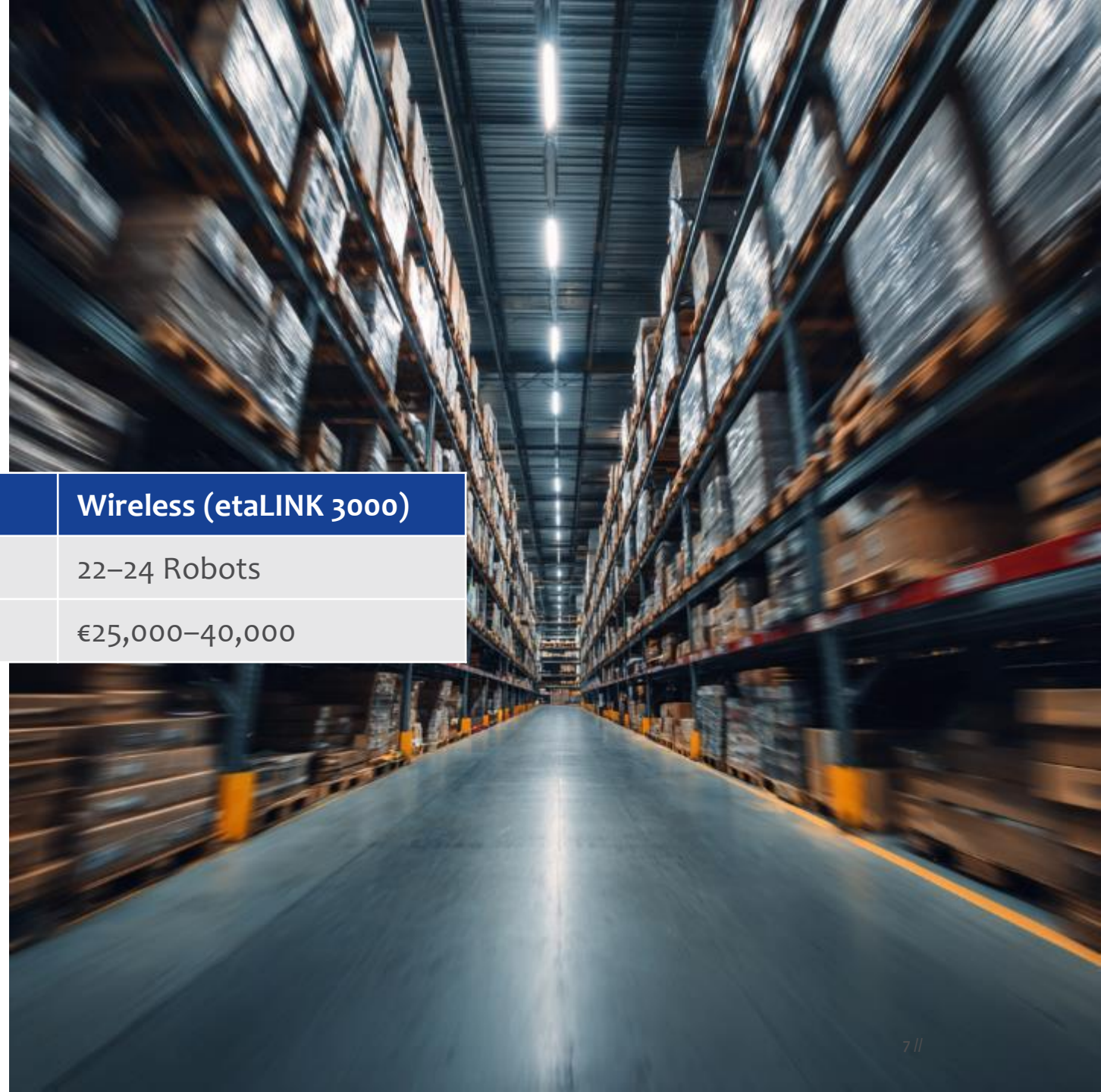


Business Case

Savings through fleet optimisation

Why this is important:

- Conventional fleets require oversizing to compensate for **charging overhead**
- Wireless = **smaller fleet, higher utilisation**



Scenario	Contact charging	Wireless (etaLINK 3000)
Required fleet size	30 Robots	22–24 Robots
Cost per Robot	€25,000–40,000	€25,000–40,000

Fleet savings:

Reduction of **4–6 robots** = **€100,000–240,000**
in investment costs saved

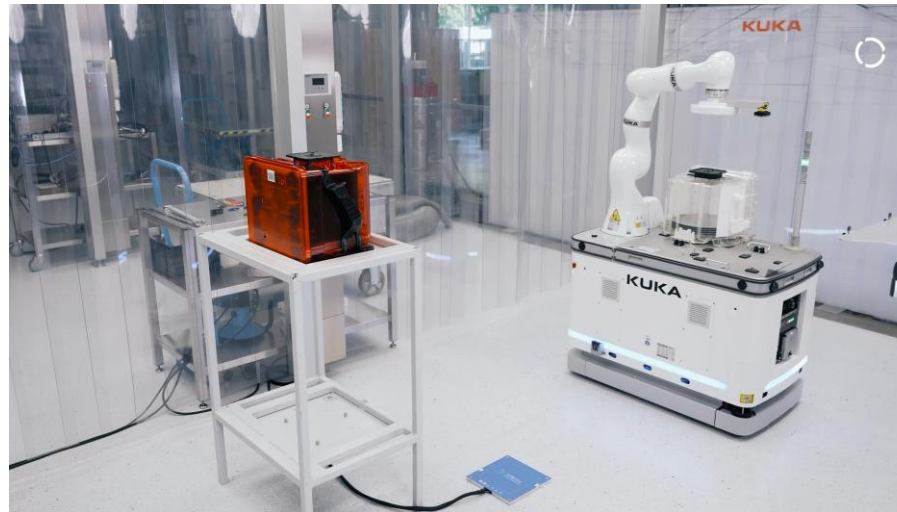
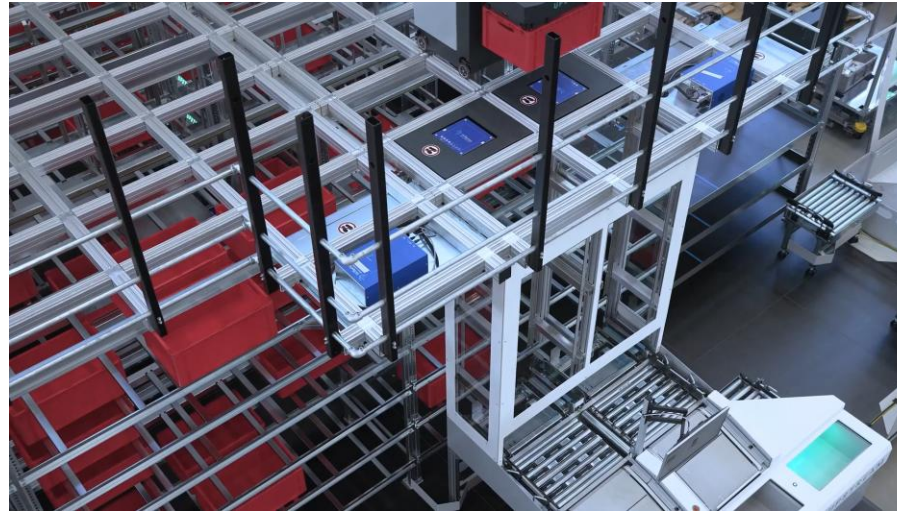
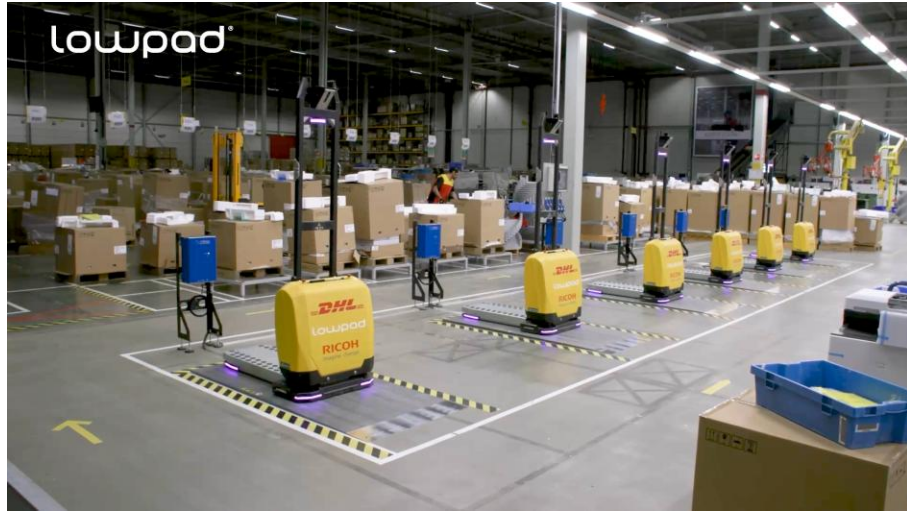
Business Case Summary

Total Estimated Yearly Savings (Mid-sized Fleet of 25–30 Robots)

Category	Annual Savings Estimate
Maintenance	€25,000–40,000
Productivity Gain	€150,000+
Floor Space Efficiency	€20,000–40,000
Fleet Size Reduction	€100,000–200,000 (CAPEX)
Total	€295,000–430,000+



Practical success stories





Wiferion's in-process charging solution

01

Maximum availability

No downtime thanks to simultaneous charging and continuous operation.

02

Stabilised cycles

No downtime thanks to simultaneous charging and continuous operation.

03

Safe & Sustainable

Proven technology with 15,000 systems in use worldwide.

Turn handover stations into charging points – work and charging become a seamless process.

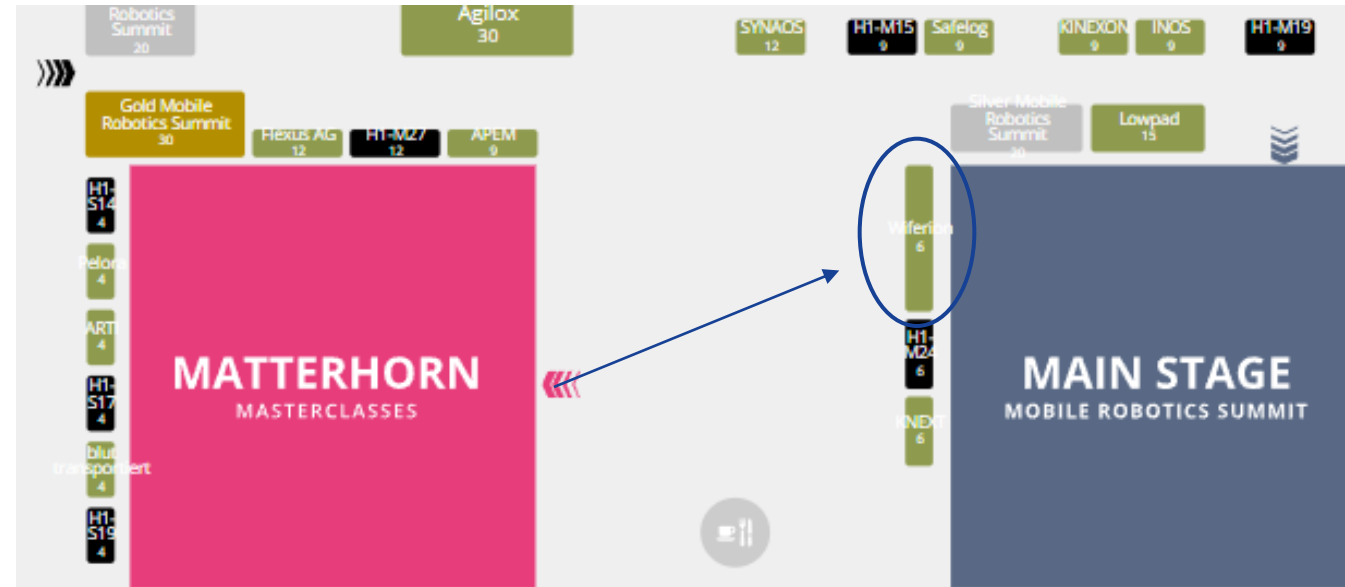
Game-Changer: Interoperability!



- Interop Vidoe
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Grab a coffee and some more information!



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