



Eliminate the need for battery replacement.

() Significantly reduce the battery replacement time. Happy advantages

Introduction of wireless (\mathbf{c}) charging system Viewing points

Current status

Here is the burden of battery replacement work.

Burden 1: Physical burden on the workers. Burden 2: Spare battery cost extra.

There is a burden on battery replacement. Burden 8:

After improvement

Manpower and cost can be reduced by changing to wireless charging

Reduction 1: The physical burden on workers goes to zero. Reduction 2 Reduction of spare battery retention. Reduction 3 Work efficiency improves with no battery replacement.

Trouble is

BATTERY

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- Hurts the back or injure when replacing the battery
- A lot of spare batteries were needed and it costs a lot.
- Takes time to replace the battery

r or example... 1,500yen x 240days x 5units=1,8 million yen In the case of 5 AGV rest twice a day. In the case of 5 AGV replacement operations with twice a day, each 15 minutes exchange work (1 hour unit price ¥ 3,000, working day 240 days)

ariet Various lead, Li battery compatible!!

12V · 24V · 48 V

Corresponds to two types of communication distance!!

0...20mm · 20...40mm

nocost

enefits

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expected after introducing

Unnecessary to replace the battery The burden on the workers can be reduced.

Spare battery is unnecessary

Exchange work was a burden but now it is maintenance free. Cost reduction is possible!

Cost Down

0

Vireless charging system



\diamond Want to try a free simulation? \diamond

Attach a current logger to your AGV and measure the current by consumption.

Battery remaining capacity forecast graph

\sim Steps to submit charging simulation \sim

1. Simulation confirmation items

- ① Check Battery model and battery capacity
- ② Confirm running/stopping time ※ Running time/stop time per cycle
- ③ Confirm consumption current
- Running, stopping and resting time and each current consumptions.
- ④ Can you charge while paused? Does it stop without charging?
- ⑤ Operating hours per day
- Confirm the operation status of AGV at the time of starting/ending/ lunch break/immediate and whole day

3.Simulation report

Report the results immediately with our special simulation software! A report can be submitted in about one week!

Capacity (AH)

Less than 50% remaining Run 7 minutes, Vo charge

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Current consumption graph



* Info may change the mention contents such as specifications without a notice. Thank you for understanding

* Please refer to instruction manual or the user's guide. It can be download by HP.

AGV current consumption measurement

We will measure the current consumption using the current measurement logger with the AGV under consideration.





Based on the simulation results, we will propose the most appropriate charging system from our lineup!



We are here to support you.

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