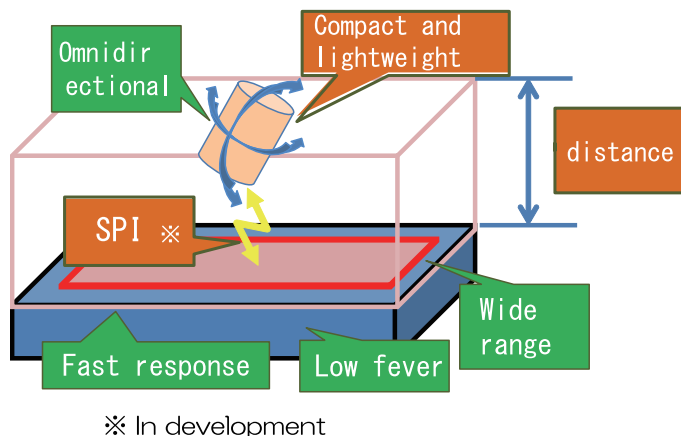


Raisontech wireless power supply technology was born from the patent technology for battery-less stylus pen. Parallel resonance drive system (PPRD) enables wider range for supplying power and lower power loss within that range. By using our technology, it is possible to expand the technology's application to wirelessly supplying power to (or charging) IoT devices, mobile devices, drones, robots, etc. Moreover, our technology can be used for innovative technologies such as transforming existing batteries (e.g. button battery and dry cell batteries) to wirelessly chargeable batteries.

Comparison Between PPRD Power Supply Technology and Qi Standard



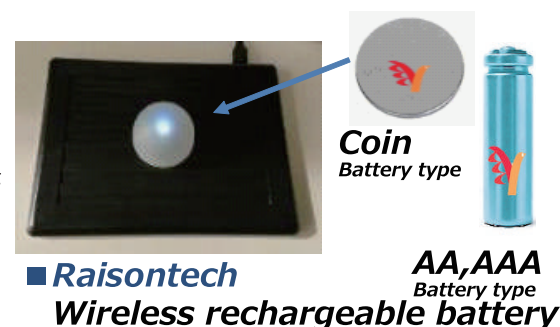
Low power ~ 50W Comparison

	Raisontech PPRD	WPC Qi standard
Range	± 50mm	± 15mm
Distance	50mm~	about 15mm
Response	about 0.1s	Slow (1s)
Efficiency (20mm)	Hi (70~85%)	Low (60%)
Fever / loss	Relatively low	Relatively high
SPI	In development	NOT
Multiple(1 coil)	OK	NOT
Capacity	30W → 100W	15W → 120W
COST	RX Low Cost	Total Low Cost

Downsizing and Cost Reduction of Power Reception Module

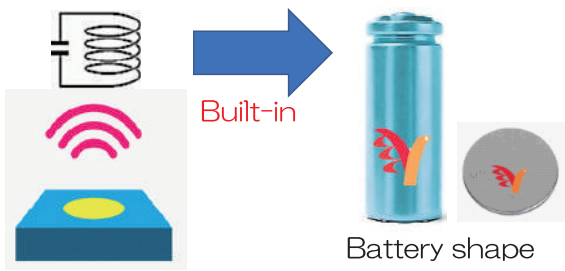
Our wireless power supplying technology can be used to downsize the module on the receiving side and lower the production cost compared to competitors' products. With existing technology, it was necessary for power receiving side coil and module to have the same equipments as the power supplying side. Especially, the power receiving side's coil had to be almost identical to that of the power supplying side, which were often heavy and thick.

By using our original technology, PPRD wireless power supply module, it is possible to change the design depending on the device, and downsize the receiving side's coil and reduce the production cost.



Wirelessly Chargeable Battery

Without changing the existing battery's design, we transformed them to be wirelessly chargeable.



Fields where this product can be used



I o T



Wearable



Charging drones and robots

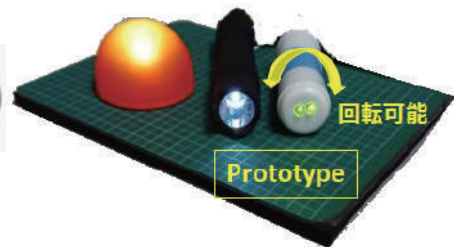
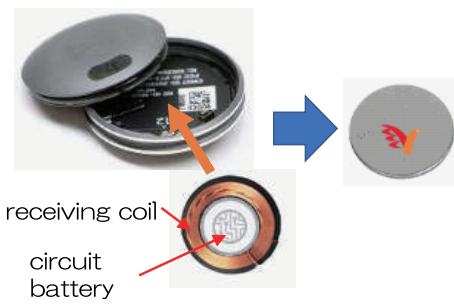
After dry cell batteries are used up and thrown away, they cause environmental pollution. They need to be disposed of in a special way or be recycled. On the other hand, when Nickel-Metal Hydride batteries are used up, they need to be removed, and charged in a dedicated charger.

With wirelessly chargeable battery we developed, the battery can be charged while it is still inside the device. It can be charged by placing the device on the power transmission pad.

AA, AAA



Coin battery type



Power transmission pad

Company Profile

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英文社名：Raisontech Inc
設 立：2017/ 7/ 3
資 本 金：30,24,000 Yen
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