

RE Partner Solution High-Efficiency Energy Harvesting



Solution Summary

Lightricity provides sustainable, autonomous power sources for the ever-increasing amount of Internet of Things devices. Our high-efficiency light energy harvesting components help customers to create maintenance-free, convenient and sustainable products.

Features/Benefits

- Highest PV performance and reliability on the market, over a wide illumination range
- Superior aesthetics that can boost brand visibility
- Unique customization available to fit in any IoT product
- Robust, even in harsh environments
- SMT compatible

Diagrams/Graphics

Lightricity enables the large-scale deployment of IoT devices

by eliminating the need to replace or recharge batteries,
and by eliminating the **replacement** costs
associated with them



Specifically designed to work with **indoor lights**,
our technologies are up to **6 times** more efficient
than other light harvesting technologies.

Target Markets and Applications

- Industrial IoT & Smart City applications
- Wearables & Consumer IoT applications
- Building Automation & Home Automation/Security



- ◇ Up to **six times** more **output per cm²** than conventional solutions
- ◇ Effective in ultra-low ambient light down to **10 lux** and beyond
- ◇ Easy system **integration**
- ◇ Perfect for use with ambient **LED** and **CCFL** lighting
- ◇ More power for **wireless sensors** and **Bluetooth beacons**
- ◇ Create **small-footprint, maintenance-free** solutions
- ◇ Compatible with **MiP LCDs** for a low power display solution

Application examples

Building automation

- Multi-parameter sensing for building automation in commercial and residential buildings
- High output power enabling more powerful wireless sensors

Internet of things (IoT)

- Bluetooth beacons for location-based marketing
- Small PV harvester footprint enabling maintenance-free solution

Home automation

- Sensors and controls for the smart, energy-efficient home
- Black appearance enabling more aesthetic products

And many others

- Smart labelling for supermarkets & retail
- Industrial, wearable device and mobility applications