

SHIFT YOUR DEVICE FROM DISPOSABLE BATTERY TO EVERLASTING ENERGY

1

The number of battery-powered devices increases exponentially each year



2

Most of those devices are powered by non-rechargeable disposable batteries that need to be replaced



3

Users don't want to run out of batteries, change them, and create waste which pollutes environment ...nor pay the cost of change



4

In fact, what users crave for are self-rechargeable devices which don't run out of power and are environmentally friendly



CHOOSE ENERGY HARVESTING FOR SUSTAINABLE FUTURE

Wide range

of Ambient Energy Managers (AEMs) for various energy sources: Photovoltaic, Vibration, RF, Thermal and Pulsed

Reduced BoM

highly integrated PMICs including MPPT function, DC/DC buck/boost converters, LDOs, and state machine

High efficiency

energy conversion efficiency 85-95%, ultra-low quiescent current [example: 5nA for AEM10300, deep sleep mode for the storage element chargers]

Self sufficient

no need for a specific processor to configure your PMIC. Can be used with or without MCU

Configurable/flexible/easy to use

easily adjust many parameters: voltage configuration, MPPT ratio, MPPT duty cycles, check status pin, overcharge and over-discharge protection settings

Small footprint (QFN / WLSCP)

PCB area is reduced thanks to the small form factor of our packages

Widest range of energy harvesters and storage elements via Partner Ecosystem

40+ partners in harvesting and storage making 100+ combinations of architectures fitting your unique application requirements



APPLICATIONS



SMART HOMES & BUILDINGS

- Smart locks
- CO2 sensors
- Security systems
- Temperature sensors
- Leak detectors
- Humidity sensors
- Occupancy sensors
- Lighting controllers



CONSUMER ELECTRONICS

- Remote controls
- Keyboard, mice
- Headphones
- Smart scales
- Gaming controllers
- Portable speakers
- E-readers
- Webcams



INDUSTRIAL IOT

- Access control
- Asset tracking
- Metering
- Predictive maintenance
- Smart factories
- Smart HVAC
- Remote control



SMART RETAIL

- Electronic shelf labels
- Advertising anchors
- Commercial lightening
- Direction finding



WEARABLES

- Fitness bands
- Smart hospitals
- Luxury & smart watches
- Direction finding
- Wellness trackers
- Portable medical devices



CHOOSE ENERGY HARVESTING FOR SUSTAINABLE FUTURE

OUR OFFICES

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POWERING THE FUTURE WITH AMBIENT ENERGY

- Established in 2014 in Belgium
- Extended line of PMICs
- Proven record of design wins
- +20 years of R&D
- Wide ecosystem of partners
- One trip to the moon with NASA project

OUR MISSION
is to revolutionize
the industry by shifting
the world to green
renewable energy
devices



OUR VISION
is to deliver industry
leading solutions to
extend battery
life of wireless devices



WORLDWIDE DISTRIBUTION

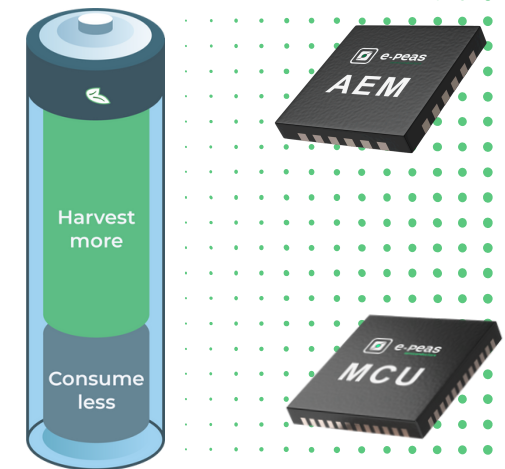


SUPERIOR TECHNOLOGY

- Unmatched energy efficiency
- Compatibility with multiple energy sources
- All-in-one power management solution



POWERING THE FUTURE WITH AMBIENT ENERGY



Best performing **ambient energy harvesting, processing and sensing solutions** that make the wireless devices **live forever**

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