



Powered by Ambient Light

FOR IoT SENSORS, WEARABLES, ELECTRONICS



With the widespread use of IoT, manufacturers are seeing several problems related to their power supply: **battery life, replacement cost and ecological impact.**

We created LAYER®

Our Organic Photovoltaic solution **harvests electricity from very low-light conditions, like indoor artificial light**, and offers a **sustainable** and **cost-effective** alternative to batteries for low power devices.

WHY LAYER® IS THE BEST ENERGY HARVESTING OPTION FOR YOUR PRODUCT ?



Reliable performance in Low Light Conditions

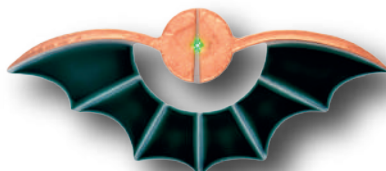
- Up to 3,7 Voc(V), 263 (μA) and 750 (μW) **under 1000 lux***
- Up to 3,4 Voc(V), 59(μA) and 160(μW) **under 200 lux***

*Based on our Demokit#6 Datasheet.



Sustainable Solution

- No rare earth or heavy material
- High recyclability
- No toxic waste
- **60% less carbon footprint compared to batteries**



Thin, Flexible, Lightweight and Freeshape

- Adapts to **diverse form factors**, and to the energy need of your devices.



High profitability for our customers

- LAYER® **reduces TCO for IoT solutions.**

Use LAYER® to power IoT devices in various indoor environments, such as:



Smart Building



Asset tracking



Smart Home



Industry 4.0



OUR NEW TEMPERATURE LOGGER POWERED BY LAYER®



Advanced **temperature logger** with NFC protocol, **self-powered by LAYER®**.

The temperature logger collects data **in cold chain logistics**, such as transportation and storage of : agricultural products, frozen foods, pharmaceutical products etc.



OUR NEW CO₂ SENSOR POWERED BY LAYER®



A portable carbon dioxide (CO₂) sensor communicating in Bluetooth Low Energy and **self-powered by LAYER®**. It uses non-dispersive infrared technology.

The sensor can be used in many private and public spaces (living room, classrooms, co-working spaces, meeting rooms, etc.)



dracula-technologies.com
3 rue Georges Auric, 26000 - Valence, France
contact@dracula-technologies.com

