

Dracula Technologies will Show the World How to Power Devices with Only Ambient Light at CES 2023

For IOT applications: A unique organic photovoltaic (OPV) solution that generates energy from light in our living spaces and eliminates the need for batteries.

VALENCE, FRANCE, December 15, 2022 /EINPresswire.com/ -- Dracula Technologies will Show the World How to Power Devices with Only Ambient Light at [CES 2023](#)

Valence, France, Dec. 15, 2022 – Dracula Technologies, a pioneer in harvesting energy through indoor light, today announces its participation at Eureka Park at CES 2023, the most influential tech event in the world, which will take place in Las Vegas, Jan 5-8, 2023. Dracula Technologies will showcase its LAYER® technology, an organic photovoltaic (OPV) solution that generates energy from light in our living spaces and eliminates the need for batteries. The platform charges low-power indoor (LPI) devices, even in low-light conditions. Using a development kit, partners can tailor the technology to specific applications. Several samples will be presented at the event—including an autonomous temperature logger, a CO2 sensor, an infrared sensor, and a remote-control device.



LAYER® technology: OPV solution that generates energy from light

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Brice Cruchon, CEO, and founder of Dracula Technologies

Technologies. "A minimum of 50 billion industrial IoT devices are expected to be deployed by 2025. The devices that are already deployed today consume too much energy and generate too much e-waste: 15 billion batteries are thrown away every year!"

"We use organic photovoltaic, the optimal solution to power low energy consumption connected objects. Our ultra-thin products can take any shape, adapting to the smallest imaginable format to respond to a diversity of applications. Moreover, they can be used indoors, which makes them the perfect solution for a future, where more than half of those 50 billion industrial IoT devices will be used indoors."

Dracula Technologies quickly adapts its technology to customer specifications by using patented techniques to produce organic photovoltaic modules through inkjet printing. The company uses special materials that harvest both natural and artificial light. The technology is delivered as malleable modules that allow manufacturers to design small, connected eco-friendly objects in a variety of shapes. Manufacturers benefit in the following ways:

- Their products can be powered by ambient light: LAYER® generates electricity as little as 50 lux, which is the intensity of light emitted by emergency exit panels.
- They can lower costs: They no longer need to factor battery changes into their maintenance plans.
- Their products can take on a variety of shapes: The industrial process of digital printing makes it possible to conform to any imaginable shape.
- They can market environmentally friendly solutions: They will minimize both power consumption and e-waste.

"We recently raised 5,5 million euros with French institutions and Semtech Corporation, a leading global semiconductor supplier. The company was also selected from over 1000 European startups and received a grant of €1,6 million in equity funding from the European Innovation Council," says Cruchon. "We are now entering the industrialization phase. We currently have a production capacity of around 15 thousand modules per week, and we expect by the end of 2023 to scale up production to 10 million modules per year."

LAYER® is compatible with a wide range of communications protocols. Applications range from Smart Building, Smart Home, and Connected Supermarkets to Industry 4.0 and Autonomous Vehicles. Product designers can already order a [demokit](#) to build prototypes.

Note: Dracula Technologies will be part of the CES Unveiled Las Vegas, Jan 3, 2023, the official

media event of CES and will continue sharing more news and updates about its technology and its strategy to deliver the future of energy harvesting at CES 2023 in Las Vegas. Attendees can find Dracula at Eureka Park in the Business in France area (booth #61011).

About DRACULA Technologies: Dracula Technologies (Valence, France) is a pioneer in energy harvesting through light in our living space. The internet of things brings a new set of challenges to industry—including limited battery life, excessive power consumption, and e-waste. The result of more than 10 years of research and development, LAYER® technology from Dracula Technologies is the only system that can provide flexible and customizable modules that support the small and variable-shaped objects required for IoT—and at a very low cost.

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