

**PRESS RELEASE**

July 5, 2021

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## **THE NURSING HOME, LES ÉGLANTINES, JUST INSTALLED DALKIA'S SMART LIGHTING SERVICES SOLUTION**

**The nursing home, Les Églantines, located in the west of France, chose Dalkia's Smart Lighting Services, the intelligent lighting solution developed by Dalkia, to accelerate its energy and digital transition. The health facility replaced its former lighting system with more efficient LED lights, which acts in parallel as a communication network. Thanks to Voice on Light® or VoL® technology developed by LiFiNEO, the network will transmit medical information to smart badges equipped with ASCA® organic light sensors, designed and produced by ARMOR solar power films.**

Dalkia's smart lighting solution is built on the latest generation of LiFi technology and offers innovative new services to its users. Thanks to VoL® technology, patented by LiFiNEO in 2020, the lighting system is used to transmit information via light. Healthcare staff can, instantly and securely, retrieve the medical information, thanks to light spots that communicate with electronic badges, equipped with organic photovoltaic (OPV) sensors from ARMOR solar power films, that can read the transmitted information. The badges also have accelerometers that can detect falls or accidents, allowing nearby personnel to quickly react. This communication network is non-intrusive and non-invasive.

Furthermore, with the introduction of LED light bulbs, the care facility will reduce its lighting-related electrical consumption by up to 80%, since this new system adapts to natural light.

"Given the potential of this technology, we said yes with our eyes closed! This device will allow us to enhance the comfort and safety of residents, by using light paths and adaptive lighting. It also makes the daily lives of the caregivers easier and allows them to spend more time with the residents." Anthony Latouche, General Director, Les Églantines

"We look forward to seeing how much Dalkia's Smart Lighting Services will improve the comfort of the residents and the effectiveness of the healthcare staff. In addition to the services it offers to users in the healthcare sector, this solution can enhance energy, economic and environmental performance for our customers." Bruno Moras, Regional Director, Dalkia-Central West region

"Combining our ASCA® OPV sensor with LiFi smart lighting perfectly reflects our desire to create an innovative ecosystem that enables the development of diverse solutions for society as a whole." John Fiske, Business Development Manager, ARMOR solar power films

"This achievement at Les Églantines demonstrates how VsL® truly is a groundbreaking technology, capable of giving life to new, secure and intelligent communication networks that can be connected to all digital, energy-efficient and environmentally-friendly objects." Cyril Thiriot, President, LiFiNEO

**Key number:**

- Smart lighting solutions can help save up to 80% of lighting-related electricity consumption

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**Dalkia: working with you to step up your sustainable energy performance.**

Dalkia, a subsidiary of the EDF Group, supports its customers in their energy and digital transformations through its two business lines: the development of local renewable energies and energy savings. Dalkia offers its customers tailored solutions for each building, each city, each local authority, each region and each industrial site to help them rise to the challenge of the energy transition and make them smarter.

**LiFiNEO** is a manufacturer of innovative patented technology enabling data transmission through light called "VsL®" (or Voice over Light®). LiFiNEO creates intelligent communication systems based on lighting. Its technology, which belongs to the VLC (Visible Light Communication) and LiFi (Light Fidelity) families, allows the transmission of an analog signal with the same characteristics and frequency bands as voice. By transforming each LED light into an ultra-secure communication station, LiFiNEO revolutionises the geolocation of people and objects and reinvents the connection between humans and connected objects.

<https://lifineo.com/>

**ARMOR** specializes in the industrial formulation of inks and the coating of thin layers onto thin films. The Group is the global market leader in the design and manufacture of thermal transfer ribbons for printing variable traceability data on labels and flexible packaging. The European market leader in innovative and sustainable printing services and consumables, the Group is a pioneer in the development and production of industrial inks and innovative materials, such as organic solar films, coated collectors for electric batteries and bespoke filaments for additive manufacturing. With an international presence, ARMOR has nearly 2,000 employees in some 20 different countries. In 2020 it posted annual revenue of €274m. Each year the group invests nearly €30m in industrial equipment and R&D. ARMOR is a responsible company committed to stimulating innovation within society. [www.armor-group.com](http://www.armor-group.com)

**ARMOR solar power films**, a subsidiary of ARMOR Group, designs and develops intelligent, tailor-made, flexible and low-carbon solar energy solutions on an industrial scale for its international partners. Its team of experts of sixty people is spread over France and Germany. [www.asca.com](http://www.asca.com)