

### LEGRAND AND CEA COMBINE THEIR EXPERTISE TO DEVELOP A NEW GENERATION WIRELESS AND BATTERYLESS SWITCH

*Integrating perfectly with Legrand's "with Netatmo" connected offerings, this innovation makes the connected home more sustainable by reducing environmental impact and maintenance operations due to battery use.*

**Limoges, 11 February 2021 - Legrand, global specialist in electrical and digital building infrastructures, announces the launch of a new generation wireless and batteryless switch. This technological innovation was developed in collaboration with CEA, a major player in research, development and innovation.**

Connected switches that are wireless, *i.e.* without any wired connection to the building's electrical network, offer many advantages, such as facilitating the upgrading of an installation by enabling switches to be positioned freely without any renovation works. This innovation will allow wireless switches to operate without batteries thanks to an embedded energy harvesting mechanism.

Protected by three patents, this new "wireless and batteryless" technology is very easy to install and enables electrical devices such as lights or shutters to be controlled via the international radio communication standard, ZigBee.

Highly compact and discreet, it integrates perfectly with the Group's connected wiring devices ranges across the world.



*Ready-to-fit modular self-contained switches (photo credits: Legrand)*

This innovation limits environmental impact and completely removes the need for the type of maintenance work generally associated with the use of batteries, especially in the context of property management.

**Antoine Burel, Deputy CEO in charge of Operations at Legrand**, stated: *"Legrand is the world leader in electrical switches and sockets (User Interface). This new technology reflects our intention to bring our customers ever more intelligent innovation. It also provides an everyday response to the environmental challenges we are facing. Last but not least, it arises from a very productive partnership with CEA which contributed its knowhow, particularly in fundamental research."*

**Stéphane Siebert, Director of technological research at CEA**, declared: *"We are proud to have supported Legrand in this ambitious project. The resulting groundbreaking technology is the fruit of several years of close cooperation between CEA's researchers and Legrand's teams. This partnership perfectly illustrates CEA's purpose, which is to contribute to industrial innovation through cutting-edge research for the benefit of everyone."*



**ABOUT CEA**

*CEA, France's Alternative Energies and Atomic Energy Commission, is a major player in technological research, for the benefit of both Government and the economy. It provides practical solutions to requirements identified in four main areas: energy transition, digital transition, life science technology, security & defence.*

*As the only French state research body ranked among the global top 100 innovation players (Derwent 2018-19), CEA acts in a capacity of catalyst and accelerator of innovation on behalf of France's industry. It seeks to enhance the competitiveness of businesses in a variety of sectors by helping to develop efficient and differentiating products and to provide innovative solutions to inform decisions on key societal trends. CEA deploys this approach throughout France's regions by supporting its local partners in their innovation initiatives, thus contributing to sustainable job and value creation across the national territory, close to where industrial requirements are located. At the same time, it supports the development of its 220 start-ups, which constitute agile conveyors of laboratory knowhow and disruptive technology. [www.cea.fr](http://www.cea.fr)*

**ABOUT LEGRAND**

*Legrand is the global specialist in electrical and digital building infrastructures. Its comprehensive offering of solutions for commercial, industrial and residential markets makes it a benchmark for customers worldwide. The Group harnesses technological and societal trends with lasting impacts on buildings with the purpose of improving life by transforming the spaces where people live, work and meet with electrical, digital infrastructures and connected solutions that are simple, innovative and sustainable. Drawing on an approach that involves all teams and stakeholders, Legrand is pursuing its strategy of profitable and sustainable growth driven by acquisitions and innovation, with a steady flow of new offerings—including Eliot\* connected products with enhanced value in use. Legrand reported sales of €6.1 billion in 2020. The company is listed on Euronext Paris and is notably a component stock of the CAC 40 and Euronext ESG 80 indexes. (code ISIN FR0010307819).*

<https://www.legrandgroup.com>



*\*Eliot is a program launched in 2015 by Legrand to speed up deployment of the Internet of Things in its offering. A result of the group's innovation strategy, Eliot aims to develop connected and interoperable solutions that deliver lasting benefits to private individual users and professionals.*

<https://www.legrandgroup.com/en/group/eliot-legrands-connected-objects-program>

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