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## Press Release

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### **Leclanché announces the launch of the Ti-Box**

- **Provides a comprehensive home storage solution for solar generated electricity**
- **Designed for the residential market, allows to increase self-consumption on energy**

**Yverdon-les-Bains, Switzerland, March 25, 2014** - Leclanché S.A. (SIX Swiss Exchange: LECN), specialized in the production of large-format lithium-ion cells and energy storage solutions, today announces the launch of its Ti-Box, an energy storage product for the residential market. This energy storage solution is designed to optimise and increase the private consumption of self-generated renewable energy, in particular solar energy. The Ti-Box is being launched on schedule, following the successful completion of the CE and UN38 certifications.

The Ti-Box energy storage battery can be connected to a residential photovoltaic system in order to store energy generated by the photovoltaic system in Leclanché's proprietary lithium-ion titanate cells. This launch represents therefore an important step in using energy saving technologies to shift consumption of electricity generated by the sun to night or periods of the day when levels of sunlight are low. This will increase the proportion of own consumption of onsite-generated photovoltaic electricity, encourage the decentralized use of electricity and therefore keep the electricity in the public grid.

The Ti-Box will be distributed through a network of professional installers selected by Leclanché in Europe.

The launch coincides with the presence of Leclanché at Storage Day organized in by Solar Allianz in Dusseldorf during Energy Storage, the international conference and exhibition for the storage of renewable energies (25-27 March 2014).

#### **Unique product features**

The Ti-Box, comprises 44 large format lithium-ion titanate cells and incorporates electronics and a software control system that has been designed and developed by Leclanché. The cells have an expected calendar life of 20 years and are capable of up to 15,000 cycles, making them one of the most durable cells on the market. With safety as a top priority, the Leclanché cells incorporate a proprietary, patented ceramic separator and a very stable electro-chemical structure, which together are designed to minimise the risk of thermal runaway.

Single energy storage units incorporate a modular design, which will facilitate the implementation of further product upgrades, including multiple energy router compatibility and the ability to have up to three units stacked in parallel. The battery unit can be monitored via an optional energy router internet access portal.

The Ti-Box development program was driven by a joint in-house team based in Yverdon-les Bains, Switzerland and Willstaett, Germany, and the unit is produced in Willstaett, where the cell mass production facility is also located.

## **About Leclanché**

Leclanché's strategy is to become one of the leading lithium-ion cell producers and solution providers for energy storage systems in Europe. Its strategic priorities are to develop and market energy storage products for home, industrial markets and grid applications and to grow its existing businesses of developing portable energy storage systems for military, medical and industrial applications. It also includes providing a range of professional energy storage systems to a diversified customer base. Through participation in research consortia focusing on hybrid and E-mobility applications, Leclanché is positioned to take advantage of new market opportunities.

Through a unique, patented ceramic separator technology and focus on lithium-titanate technology, Leclanché manufactures large-format lithium-ion cells, optimized for safety and cycle-life, in a fully automated production process. The newly installed production line will have an annual capacity of one million cells or 76 MWh.

Leclanché was founded in 1909 in Yverdon-les-Bains. Through the integration of a spin-off from the Fraunhofer-Gesellschaft in 2006, the company evolved from a traditional battery manufacturer to become a leading developer and manufacturer of lithium-ion cells in Europe. Leclanché currently employs more than 100 staff and is listed on the SIX Swiss Exchange (LECN). The company has its headquarters in Yverdon-les-Bains (Switzerland) and production facilities in Willstätt (Germany).

[www.leclanche.eu](http://www.leclanche.eu)

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### **Disclaimer**

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