

## **Leclanché supplies lithium-ion storage system to Industrielle Werke Basel (IWB)**

- **Leclanché supplies industrial storage system with a capacity of 25 kWh to Industrielle Werke Basel (IWB)**
- **Project development and implementation by the Zurich start-up Ampard, which specialises in developing decentralised storage solutions**

**Yverdon-les-Bains/ Basel, 25 July 2012** – Leclanché S.A. (SIX Swiss Exchange: LECN), the specialist for large-format lithium-ion cells and storage solutions, is supplying an industrial power storage solution with a total capacity of 25 kWh to Industrielle Werke Basel (IWB). The installation forms part of a feasibility study by IWB to examine the benefits of decentralised energy storage for grid operation. The use of energy storage systems optimises current output and consumption locally and increases the flexibility of the power grid, which in turn makes the grid more efficient. The system is especially suited for the efficient storage and shifting of energy being supplied by photovoltaic systems from the moment of generation to the time when it is actually needed. The Zurich start-up company Ampard is responsible for the control system and the project development. The facility is due to be commissioned in Q4 2012.

*"Feed-in fluctuations often test the load limits of the existing grids. Our storage solution, which is notable for its patented ceramic separator and up to 15,000 full charge and discharge cycles, steps in at precisely this point and ensures that the excess energy is safely stored, thus relieving the strain on the grid,"* says Dr. Ulrich Ehmes, CEO of Leclanché. *"This order is a typical example of the types of projects we are currently involved in and reflects the growing need for efficient storage solutions at an industrial level."*

*"We know how important it is that renewable energy is integrated intelligently into the grid. Our 'Arling' control system enables higher capacity utilisation of the existing grid infrastructure by making the best possible use of the energy storage systems. As the project developer we will support IWB in maximising the benefits of Leclanché's storage facility,"* says Philipp Eisenring, Executive Chairman of Ampard.

Just recently Leclanché began the commissioning of its new production line in Willstätt, one of the largest and most technologically advanced production facilities for lithium-ion cells in Europe. The production line has a capacity of one million large-format 35 Ah cells and a total capacity of 76 MWh per year. The focus lies on home storage solutions as well as industrial container solutions which can be used for stabilising volatile energy input from regenerative sources or as mass storage solutions for wind and solar energy.

### **About Leclanché**

Leclanché specializes in the production of tailor-made energy storage solutions. Leclanché's strategy is to expand its position as one of the leading lithium-ion cell producers and solution providers for

renewable energy storage systems in Europe. Its initial strategic priority is stationary home electric energy storage applications and expansion into the stationary industrial and grid electricity storage markets. Through participation in research consortia focusing on off-road and automotive applications, Leclanché is positioned to take advantage of new market opportunities.

Through a licensed 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. At the end of the second quarter 2012, Leclanché started operations of its first production line with an installed annual capacity of up to 76 MWh in lithium-titanate cells.

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 120 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).

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