



## **Saft and Nedap cooperation brings effective storage and self-consumption to domestic solar energy systems**

**Munich, June 13, 2012** – Saft and Nedap are presenting the first commercially available system to result from their cooperation in photovoltaic (PV) energy storage at Intersolar 2012. The new system, shipping in August, combines Nedap's PowerRouter solar inverter with Saft's state-of-the-art Synerion® lithium-ion (Li-ion) battery modules.

The new system enables domestic users with on-grid PV systems to store surplus solar energy for later consumption, rather than feeding it into the grid. It enables solar energy to be used directly by connected domestic loads, and when output from the PV system is insufficient, the batteries are used to maintain continuity of supply. Only when the batteries are fully charged and no local energy is required will surplus energy be supplied to the grid – optimizing domestic self-consumption. When no solar energy is available and the batteries are at a low state of charge (SoC), energy demand is met by the grid.

Intersolar is expected to confirm the high level of market interest and the potential for several thousand such systems annually in Germany alone. Visitors to the Nedap booth (B5-270) will be able to see the complete system, comprising the PowerRouter and battery cabinet, while Saft's booth (B3-271) highlights the Synerion® modules. Both partners are prepared for this market to take off in the second half of the year.

### **Nedap's PowerRouter combines a solar inverter with battery management**

Nedap's PowerRouter is a solar inverter with integrated battery manager in an efficient all-in-one easy to use solution. Its technology allows energy sources, storage media and loads to interchange energy and data within one product enabling the solar power produced by PV systems to be converted and routed in relation to energy supply and demand.

### **Saft's Synerion® modules are optimized for PV energy storage**

The 48 V Li-ion battery system comprises two Synerion® 24M modules with battery management module (BMM) in a compact, stand-alone cabinet offering 4 kWh nominal capacity. It offers efficient, flexible, all-year-round energy storage to support the highly dynamic charge and discharge cycling profiles of renewable applications, together with a 20-year service life.

It provides vital operation and SoC information to the PowerRouter for optimum management, control and diagnosis. The compact battery cabinet can be located close to the PowerRouter, typically in a garage or basement. The complete system has undergone thorough functional and safety testing and meets the most stringent standards.

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## **About Nedap**

Nedap is a manufacturer of intelligent technology solutions for today's challenges. Enough food for a growing population, clean drinking water around the entire world, and smart networks for sustainable energy are just some of the goals Nedap is working towards. It has a continual focus on technology that matters. The N.V. Nederlandsche Apparatenfabriek "Nedap" was founded in 1929, it has been listed on the stock exchange since 1947, and employs more than 680 staff worldwide.

*For more information, visit Nedap at [www.nedap.com](http://www.nedap.com)*

## **About Saft**

Saft (Euronext: Saft) is a world leader in the design and manufacture of advanced technology batteries for industry. The Group is the world's leading manufacturer of nickel batteries and primary lithium batteries for the industrial infrastructure and processes, transportation, civil and military electronics' markets. Saft is the world leader in space and defence batteries with its Li-ion technologies which are also being deployed in the energy storage, transportation and telecommunication markets. Saft's 4,000 employees present in 19 countries, its 16 manufacturing sites and extensive sales network all contribute to accelerating the Group's growth for the future.

*For more information, visit Saft at [www.saftbatteries.com](http://www.saftbatteries.com)*



**Intersolar 2012**  
**Munich, Germany**  
**June 13-15**  
**Booth B3-271 (Saft) and B5 -270 (Nedap)**

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