



MEE (Middle East Electricity) Exhibition & Conference
Dubai International Exhibition Centre
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Stand 6F30

Saft Nife advanced battery technologies deliver exceptional reliability and optimized TCO in demanding Middle East applications

- *Tel.X provides the ideal replacement for VRLA batteries in railway signaling and offshore oil and gas installations thanks to its compact design and high energy density*
- *Uptimax New Generation offers maintenance-free backup power for stationary applications*
- *State-of-the-art Li-ion technology provides the ideal complement for hybrid power schemes and UPS installations*

Dubai, February 7, 2012 – Saft Nife ME Ltd, the Middle East representative of the world's leading designer and manufacturer of high-tech industrial batteries, is showing a wide portfolio of advanced battery technologies – including both nickel-based and lithium-ion (Li-ion) chemistries - developed to ensure exceptional reliability and optimized TCO (Total Cost of Ownership) in the demanding conditions experienced in the Middle East. The main highlight of Saft's stand (6F30) is the compact Tel.X nickel-based batteries that provide a high-energy performance solution in floating applications where weight and space restrictions make it hard to fit a conventional battery.

Saft is also showing its maintenance-free Uptimax battery optimized for stationary power backup applications in the oil and gas, utility and electricity industries. Completing the extensive Saft portfolio of nickel-based products on display is the Sunica.Plus range that provides the ideal energy storage solution for hybrid power telecom installations and off-grid PV (photovoltaic) applications, and the SPH and SBLE block batteries.

Saft's state-of-the-art Li-ion technology is illustrated by its new high energy Evolion Li-ion battery modules, for hybrid schemes where diesel generators operate in combination with solar panels or wind turbines require batteries with high cycling capability, together with the Intensium Flex Li-ion system for UPS applications requiring very compact and light weight batteries.

Tel.X replaces VRLA batteries in 'hard to fit' installations

Saft originally developed its Tel.X nickel-cadmium (Ni-Cd) batteries to provide an exceptionally long service life in telecom backup power applications, especially for outdoor plant. Now, thanks to its maintenance-free, compact design, Tel.X is finding a broader range of applications where weight and space restrictions prevent easy fitting of conventional batteries, especially in railway signaling and offshore oil and gas projects.

Tel.X is proving to be the ideal replacement for VRLA (Valve-Regulated Lead-Acid) batteries in floating applications in existing equipment, where it can reduce battery weight by 30 percent as while as offering a high energy density of up to 100 Wh/l.

New generation Uptimax offers maintenance-free backup power for stationary applications

Saft Uptimax Ni-Cd pocket-plate batteries have established an outstanding reputation for delivering reliability, long life and optimized TCO in stationary power applications - such as UPS, substation, switchgear and process control - in the oil and gas, utility and electricity industries, even when operating at ambient temperatures of +40°C or more. An upgrade to a new generation high-technology design has now taken Uptimax to the next level, making it maintenance free, under recommended operating conditions, in terms of topping up with water and significantly reducing servicing costs. Furthermore, thanks to its enhanced performance – with an improvement of up to 10 percent depending on the required discharge time – Uptimax New Generation enables customers to specify the optimum cost-effective battery for their specific application.



Evolution provides high cycling capability for off-grid hybrid power systems

Saft has built on its well proven maintenance-free Li-ion technology to create the Evolution concept that offers a unique combination of long cycling life, deep cycling capability, fast charging, high charge efficiency and high energy density, while also being totally maintenance-free. The result is an innovative 48 V battery module that offers interesting new possibilities for the creation of compact, safe and reliable backup systems for off-grid hybrid power installations.

In a typical hybrid power scheme, the Evolution battery system operates in conjunction with diesel generators, as well as possibly PV and/or wind power, to ensure continuity of electrical power for an off-grid site. The exceptional reliability provided by Evolution can significantly reduce the capital cost of a hybrid scheme by enabling operation with a single genset, rather than the traditional dual-redundant approach. It will also save fuel costs and maintenance costs by reducing the genset run time. A further advantage of the Li-ion batteries is that they do not require an air-conditioning unit as they are capable of operating for extended periods at elevated temperatures. This both reduces the system complexity and increases its energy efficiency.

Evolution offers a high calendar life on float charge as well as a long cycle life, is tolerant to a wide range of temperatures and can operate from -40°C to +75°C

Intensium Flex - Li-ion systems ready to 'plug and play' for UPS

Saft Intensium Flex Li-ion systems have been developed to deliver the very high power, more than 800 W/l at the module level, required by UPS systems in installations where space and weight are important parameters, by offering compact 24 V or 48 V modules in high power and medium power versions. Intensium Flex systems are delivered ready to 'plug and play' in 19 inch rack mount format, configurable from 110 V to 720 V, and integrating Saft's BMM (Battery Management Module), safety and communication system.

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

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Press contact:

Jill Ledger, Saft Corporate Communications and Institutional Relations Director
Tel: +33 1 49 93 17 77, e-mail : jill.ledger@saftbatteries.com

Marie-Christine Guihéneuf, Saft IBG Communication Manager,
Tel: + 33 1 49 93 17 16, e-mail : marie-christine.guiheneuf@saftbatteries.com

Andrew Bartlett, Six Degrees,
Tel: + 44 (0) 1628 480280, e-mail: andrew.bartlett@sixdegreespr.com