



Saft launches new modular rack design providing 8.7 MW of battery capability for SEPTA subway line

Paris, February 18th, 2016 – Saft, the world’s leading designer and manufacturer of advanced technology batteries for industry, has been awarded a multi-million dollar contract from ABB to support a Constellation project to install a wayside lithium-ion (Li-ion) energy storage system for the Southeastern Pennsylvania Transportation Authority (SEPTA). This project will supply 8.7MW of frequency regulation support for the PJM Interconnection electric grid and will be capable of capturing, storing, and reusing braking energy from subway cars. Saft’s batteries will be deployed between seven SEPTA substations across Philadelphia. This project will expand the existing 1.8MW of Saft storage systems from two earlier deployments with SEPTA, and the new network will increase total battery storage capacity to more than 10MW.

Constellation, a leading competitive energy company, will fund, own, and operate the 8.7MW project which requires no upfront capital investment from SEPTA. It will be financed through a 20-year battery services agreement between SEPTA and Constellation. Viridity Energy will provide energy market services for the project, bidding the battery network into the PJM market as a frequency regulation resource.

Saft is supplying custom-designed distributed rack-based high-power battery systems using Synerion® 24P modules. In earlier deployments with SEPTA, Saft supplied Intensium® Max20 containerized solutions. Designed for high-power operation and high energy throughput, the newly launched design includes HVAC and fire suppression systems for each rack. Synerion® 24P technology offers storage with a modular design, combining significant operational reliability over thousands of cycles with exceptional energy efficiency.

“This follow-on contract demonstrates our valuable relationship with the nation’s sixth largest public transportation system and ABB,” said Glen Bowling, Saft Senior Vice President Sales. “With energy efficiency and creating multiple value streams at today’s forefront, Saft’s trusted high-tech battery solutions meet the technical, safety and performance requirements for the industry.”

SEPTA’s Energy Optimization project, designed to reduce electric energy consumption, captures energy from rail cars through a regenerative braking process. The stored energy is used to power trains and perform demand-side grid regulation service. Proving successful with cost savings and sustainability contributions in the pilot phase, the project is moving to full deployment.

“Customizing our solutions in each phase of a project is essential for continued success,” said Bowling. “This third phase requires a demanding technical application that features Saft’s modeling expertise and high power system capability.”



About Saft

Saft (Euronext: Saft) is a world leading designer and manufacturer 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 defense batteries with its Li-ion technologies, which are also deployed in the energy storage, transportation and telecommunication network markets. More than 4,000 employees in 19 countries, 14 manufacturing sites and an extensive sales network all contribute to accelerating the Group's growth for the future.

Saft batteries. Designed for industry. www.saftbatteries.com

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