



## **Saft batteries ensure the smooth running of the new Alstom Metropolis driverless metro trains for Singapore's MRT**

*Saft maintains its momentum in Asia's mass transit sector with a major order for MRX onboard batteries for 42 new Metropolis trainsets destined for Singapore's MRT Circle and North East Lines*

**Paris, November 5, 2013** – Saft, the world's leading designer and manufacturer of advanced technology batteries for industry, has been awarded a major contract by Alstom to supply MRX nickel-based onboard batteries that will ensure safe and reliable operation for 42 new driverless Metropolis trainsets under construction for the Singapore MRT. The new metro trains will be deployed on Singapore's North East (NEL) and (CCL) lines to boost the capacity of the city-state's MRT service which already carries over two million passengers every day.

Alstom has developed the Metropolis concept to provide growing cities with safe, reliable and comfortable transportation for ever-increasing numbers of passengers while reducing environmental impact. These challenges require the use of state-of-the-art technologies that place a key emphasis on reliability and low-maintenance to ensure optimized total cost of ownership (TCO), such as Saft's specialized MRX rail batteries.

The 42 new Metropolis trainsets, to be manufactured in China with first deliveries scheduled for 2015, are a modernized version of the Alstom trains currently in service on the Singapore MRT. 24 three-car trainsets will be delivered for the CCL and 18 six-car trainsets for the NEL. Alstom is fitting the Singapore MRT trainsets with Saft MRX onboard battery systems to provide backup power for up to 60 minutes to support emergency lighting, air conditioning, door operation and communication systems in the event of an interruption to the main power supply.

*"Driverless operation of our Metropolis trains places an even greater emphasis on the reliability and safe operation of critical onboard systems. There can be no compromise. That's why we selected Saft MRX batteries as they deliver proven performance and optimized total cost of ownership in a compact, lightweight installation footprint,"* said Lionel Dapvri, Alstom Electrical Sub System Engineer Transverse Activity - Pantograph and Battery.

*"We are delighted to win this major contract for the Singapore Metro, especially as it provides further momentum for Saft in the Asian mass transit sector, where we are already working on high profile projects including the new metro system in Hyderabad, India, Hong Kong's West Island Line, Shanghai Metro Lines 10 and 11 and the Beijing and Nanjing metros,"* says Xavier Delacroix, General Manager of Saft's IBG Division. *"It is also an ideal illustration of how Saft is developing our global support network to provide effective local project coordination in key markets, as our Zhuhai facility in China will play a vital role in the delivery of this project."*

The three-car CCL trainsets will be fitted with two battery systems, each comprising 40 MRX batteries, while the six-car NEL trainsets will be fitted with six battery systems comprising 41 MRX batteries.

**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 3,800 employees present in 18 countries, its 15 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)

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