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------	---------------	------------	-----------------	---------	------------	----------------	----------	----------	--------------	------------------

[Home](#) | [Alstom in Singapore microgrid project](#)

Alstom in Singapore microgrid project

06/01/2015

By Kelvin Ross
Editor

Alstom will this month begin work on designing, developing and deploying a microgrid system in [Singapore](#).

The grid is intended to manage and integrate electricity generated from multiple sources including [solar](#), [wind](#), [tidal](#), and diesel, as well as energy storage and power-to-gas solutions.

The project is being developed in collaboration with Singapore's Nanyang Technological University (NTU) and the [microgrid](#) will be implemented at the university's EcoCampus.

It will also be set up to serve the Semakau Landfill, an offshore refuse facility between the islands of Pulau Semakau and Pulau Sakeng, south of the main island of Singapore.

Hervé Amossé, Alstom's vice-president of substation automation solutions, called the collaboration a "landmark project" and added that it "sets the country on a strategic path of integrating and fully utilising multiple sources of energy for long term sustainability".



Professor Lam Khin Yong, NTU's vice-president of research, said: "[Renewable and sustainable energy](#) is a key pillar of NTU's research efforts. NTU's collaboration with a global corporation such as Alstom underpins the university's strength in transforming its engineering expertise into practical industry applications.

He said that microgrids "will play an ever-growing role in the rapidly expanding electric energy technologies and systems in the Southeast Asian region and NTU is well-placed to contribute to this growth. The systemic integration of renewable energies and energy storage based on the micro-grid technology presents many collaboration opportunities between NTU and the industry."

Goh Chee Kiong of the Singapore Economic Development Board said Singapore "aims to be the leading clean energy hub in Asia where companies can develop and commercialise energy management solutions able to effectively integrate multiple energy sources".

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