

## ABB to join network created by United Nations to promote sustainable energy

### **ABB to provide expertise on energy efficient technologies to Sustainable Energy for All initiative**

New York/Zurich, Sept. 23, 2014 – ABB announced at the UN Climate Summit in New York today that it is joining the UN's Sustainable Energy for All initiative (SE4ALL). The company will provide expertise on energy efficient motors and transformers to help governments devise policies that accelerate energy savings.

“ABB is excited to be part of the United Nations initiative and to contribute to decoupling economic growth from energy consumption and emissions,” said Ulrich Spiesshofer, CEO of ABB. “Many cost- and energy-efficient technologies are already available. The biggest contribution that governments and businesses can make to fighting climate change in the short term is to drive the implementation of existing, tested and often low-cost technologies for using energy more efficiently.”

Electric motors account for about 28 percent of global electricity consumption. Many motors are bigger than they need to be and most are running at full speed, even when they don't have to. Energy savings quickly add up when high-efficiency motors are used in combination with devices that adapt their speed to the task at hand – known as variable-speed drives – because the energy used to run a motor over its lifetime costs 100 times more than the motor itself. Investing in a high-efficiency motor compared to a standard motor often results in an internal rate of return of more 100%.

For their part, transformers account for about 3 percent of global electricity consumption and their number in emerging markets is set to almost triple by 2030. Since the most efficient transformers consume 80 percent less electricity than the least efficient, the opportunities for savings are vast.

In a first phase, ABB will share know-how related to energy efficiency in motors and transformers, including its experience with current policies, regulations and standards, and advice on potential applications for the best available technologies.

ABB is one of the world's largest makers of transformers, electric motors and variable-speed drives. The installed base of ABB drives saved more than 310 terawatt-hours (TWh) of electricity in 2013, equal to the annual consumption of about 32 million households in the US.

The UN expects that the global transition to efficient appliances and equipment would reduce global electricity consumption by about 1,500 TWh by 2030, which is equivalent to 8 percent of today's global electricity use.

ABB ([www.abb.com](http://www.abb.com)) is a leader in power and automation technologies that enable utility, industry, and transport and infrastructure customers to improve their performance while lowering environmental impact. The ABB Group of companies operates in roughly 100 countries and employs about 145,000 people.

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