ABB Emax 2 circuit breaker helps panel builders downsize switchboards by 25%

**Emax 2 circuit breaker delivers space and cost savings with its unique compact design**

Hanover, April 13, 2015 – ABB, the leading power and automation technology group, thanks to Emax 2 circuit breaker technology is driving a new era of switchboard optimization, by enabling panel builders to reduce switchboard sizes and material costs by up to 25%.

ABB Emax 2 is the first low-voltage air circuit breaker (ACB) that offers the maximum performance in the most compact frame dimension. To meet customer’s demands, ABB Emax 2 comes in four different sizes with a mechanical design that reduces the cubicle installation. In addition, thanks to the smart electronics on board, Emax 2 is enabling panel builders to remove components from the switchgear as well as external devices and sensors.

Global Head of ABB’s Breakers and Switches business, Giampiero Frisio said: “ABB’s Emax 2 is the first circuit breaker that can deliver cost savings in footprint, volume and copper of up to 25%. Panel builders are using Emax 2 to make their switchgears smaller, more intelligent and more cost-effective. In many sectors, including marine and critical power, switchboard downsizing adds significant value in order to reach the customer’s needs’’.

Emax 2 represents ABB’s vision of a more sustainable and efficient future. Replacing traditional breakers with ABB Emax 2 would reduce the amount of copper consumed in switchgear production by 8.8 million kilograms, enough to electrify a new 6,600km railway stretching from Italy to China. The other metals parts saved altogether each year would weigh 14 million kilograms – the same as New York’s Brooklyn Bridge. These savings also result in fewer trucks on the road and an approximate reduction of 7 tonnes of CO2 per year – 2,000 football pitches would need to be planted with 400,000 trees to produce a similar environmental benefit.

ABB’s Global Product Manager for air circuit breakers, Giuseppe Scali, said: “Panel builders no longer want standard circuit breakers that waste space and expensive materials. Emax 2 is the benchmark circuit breaker because it gives them the opportunity to produce smaller, more powerful switchboards that deliver more value than the traditional solution – they can see the savings using ABB’s straightforward online calculator.”

ABB Emax 2 is a groundbreaking evolution of a circuit breaker into a Power Manager, introducing a greener, better world.

This innovation is in line with ABB's Breakers & Switches business’ commitment for innovation which supports efficient energy consumption and improved productivity for its global customer base.

ABB (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 140,000 people.

For help with any technical terms in this release, please go to: www.abb.com/glossary