

ABB to supply transformers for cloud computing center in China

Eco-efficient dry-type transformers will help minimize losses and enhance power reliability

Zurich, Switzerland, Nov 20, 2013 – ABB, the leading power and automation technology group, has won an order to supply 54 ultra-efficient 10 kilovolt (kV) dry-type transformers for an R&D and data storage center in Tianjin, China, owned by Tencent, one of the country's largest internet service providers.

Tencent is expanding its cloud computing and R&D capabilities and already has established data centers using environmentally friendly and energy efficient technologies in Shenzhen and Shanghai. The new center in Tianjin is expected to support the company's growth in northern China.

"Secure, efficient and reliable power supplies are critical for such data centers and transformers have a key role to play in ensuring this" said Markus Heimbach, head of ABB's global transformer business, a part of the company's Power Products division. "We are constantly enhancing our transformer technologies to provide our customers with best-in-class products for a range of applications."

Data centers require high levels of power reliability as digital devices are extremely intolerant to power supply interruptions or fluctuations which can result in data losses with serious consequences. Efficiency is also a key element given the high operating and maintenance costs of such centers.

These efficient dry-type 10kV transformers are ideal for such applications due to their high efficiency and reliability factor. They are also capable of reducing no-load losses by up to 10 percent, compared with similar standard transformers and are more environmentally friendly.

The epoxy resin cast transformers will be manufactured in ABB's Shanghai facility. They feature excellent short circuit resistance and overload support capacity, eliminate leakage risk of flammable or contaminating substances, and minimize power losses.

Transformers are integral components of an electrical grid, and essential for the efficient and safe conversion of electricity between diverse voltage systems. ABB's transformer portfolio includes power transformers rated up to 1,200 kV, dry and liquid distribution transformers, traction and special application transformers as well as related services and components.

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

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