

## Extremely efficient amorphous core transformers for Canada

Siemens Transformers Canada (STCA), the leader in amorphous core transformers in Canada, recently received an order for the delivery of high-efficiency transformers from Saskpower, one of the largest public utilities in Canada, serving the province of Saskatchewan. Saskatchewan, at the center of the prairie provinces, has approx. 1.2 million inhabitants.

Siemens will supply 1,200 pole-mounted transformers with ratings from 25 kVA to 100 kVA to Saskpower. From the capital of the province, Regina, the transformers will be installed throughout the province. Siemens will supply all transformers between January and December 2016. The contract is worth €1.6 million and accounts for 80% of the entire Saskpower requirement.

Amorphous core transformers are more efficient than standard transformers. The randomly arranged molecular structure of the amorphous core material results in less friction than traditional silicon iron cores when magnetized. This unique property facilitates magnetization and demagnetization and yields significantly lower remagnetization losses in amorphous materials. The extreme thinness of the material also provides lower eddy current losses.

Francois Faisy, General Manager of Siemens Transformers in Trois-Rivières, says: "Siemens Transformers Canada invested in dedicated amorphous core production in 2013, leading to a #1 position in Canada for high-efficiency transformers supply for the benefit of our customers



all across Canada. Our customer Saskpower was particularly convinced of the Siemens technology and excellent manufacturing expertise which guarantee short delivery times and perfect product quality."

Since 2011, STCA has delivered more than 35,000 amorphous core transformers and continues to be very successful with this range of products.

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