

The Pulse of Power

Newsletter from ABB Power Technologies, Components

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Report from the Mexican roadshow

In mid-January, Area Manager Ignacio Perez and Instructor Sten Andersson left snowy Sweden for sunny Mexico to spend a couple of days with our roadshow container.

The container was stationed in Mexico City, and was visited by some 50 people from both transformer manufacturer and power companies. Each day started with a theoretical presentation of our products and was then followed by a practical demonstration of revision and maintenance. The demonstration increased the understanding of our products, and the response from the visitors was very positive

Road shows have been performed since 1997 when the first container was sent on tour. They have proved to be an excellent way of presenting our products to transformer manufacturers all over the world. Next in line for this tour will be South America.



Some of the visitors outside the demo show container.



Ignacio Perez and Sten Andersson ponder some tap-changer inquiries.



Sten Andersson informs about tap-changer maintenance, while Ignacio Perez tries to be photogenic!

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Film time

In April the new installation video for bushings will be ready. The video will be available in several languages, and shall be used as a complement to the written maintenance guides.



Successful components delivery for 1630 MVA phase-shifter

ABB Transformers in Germany was awarded the prestigious order of two high performance 1630 MVA phase-shifters to TERNA in Italy. In a close cooperation with Components in Ludvika the tough requirements for these phase-shifters were met in a successful way. With an excellent expertise and track record of tap-changers deliveries for phase-shifters and industrial transformers, Components received the total scope of vital deliveries for these phase-shifters, such as tap-changers, monitoring systems and bushings.



Today the 400 kV phase-shifters are successfully commissioned and supply power between Italy and France. The tap-changers in use are our UC types. The monitoring system provides continuous information about the phase-shifters' load, temperature conditions, tapchanger condition, forecasts - and much more!

As the worldwide leader of condenser bushings, we also got the opportunity in this project to show our strength as a complete partner of transformer components as we supplied more than 50 bushings in the range from 52 kV to 420 kV in both OIP and RIP type versions.

We appreciate the trust from our customers for this prestigious project and look forward to new challenges!



The Terna transformer is equipped with the TrafoStar Electronic Control system.

*Technical data:
400 kV, 1630 MVA
Weight: 820 000 kg
Footprint: 13x15x10 m*

The world's largest HVDC transformer

ABB Transformers in Sweden has beaten a double world record with a new HVDC transformer: it is the world's largest transformer, both in power and size.

The giant transformer has been built during the end of 2003 and is the first of 7 identical units, ordered for a HVDC station in Sylmar, California. The station, which was built in the end of the eighties, is now being rebuilt with earthquake proof equipment, and will be tested and ready in the beginning of 2005.

The transformers are all equipped with UC type tap-changers, GGF type bushings and the TrafoStar Electronic Control system (TEC) - delivered from Components.

The size and weight (360 tonnes) of the transformer put considerable demands on the design, production and transportation. Only ABB undertook the assignment of building such giant transformers, which gave the overall cheaper solution.



The giant transformer is the world's largest HVDC transformer.