

The Pulse of Power

Newsletter from ABB Power Technologies, Components

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Inauguration of the New Dry Bushing Production Line

Around 100 people - co-workers, ABB-representatives, local media and representatives from the local authorities - were present when the new dry bushing production line was inaugurated in Ludvika.

The inauguration was performed by senior ABB officials. They all emphasized the importance of the investment in the latest of bushing technology and production.

The new production line is a step into the future. New products will be manufactured and the production line is state-of-the-art.

Bushing production in ABB began in the early 1900. The early bushings were dry insulated, produced from a resin-coated paper and wound in an uncontrolled workshop environment. As a result they had a high partial discharge and dissipation factor ($\tan \delta$), the consequences being an increase in erosion and heat with rising system voltage and production was for this reason discontinued in the 60's.

The re-introduction of the dry Resin Impregnated Paper (RIP) technology in the 90's was the direct result of modern powerful calculation tools as well as progress in material and production technology. The results are RIP bushings with high dimensional stability at elevated temperatures, excellent thermal resistance, low water absorption, good chemical resistance, high mechanical strength, excellent stiffness, high compression strength and same excellent electrical characteristics as for oil-impregnated bushings.

The quantifiable cost savings for the user are resulting in a growing interest for this technology and ABB is preparing itself to meet an increasing demand, which is proven by the inauguration of this new production facility.



Interior from the new dry bushing production facility.



Development engineer Gerd Chalikia (left) demonstrates the new production line to some of her colleagues.

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The ABB logo, consisting of the letters 'ABB' in a bold, red, sans-serif font.

“Let our experience work for you”

In mid-June, some 80 utility customers from 30 nations gathered in the small Dalecarlian village of Tällberg for the Power Technology Seminar of 2005.

The program was extensive. The aim was to get better contact with the customers and present the product range of ABB Power Technologies, as well as to get feedback that we work with the right things in the right way.

After a couple of days and lots of presentations later, the participants left Tällberg for Ludvika and the factories. The general impression was positive, to get the chance to see all the products in real life.

Hopefully the seminar will strengthen the customers' positive attitude towards ABB in general, and ABB Sweden and Ludvika in particular. Maybe they remember what was said at the end of one of the lectures: "Let our experience work for you".



Some 80 utility customers participated in this year's Power Technology Seminar.

Important ordering information for tap-changers

One year ago we started a project with the prime target to supply UBB and UZ type tap-changers in just four weeks time, ex works.

Four weeks lead-time called for a change in our process. All of our tap-changers and motor drives are built to customer specification. So a common "one-size-fits-all" solution was out of the question. The chosen path became the "Express line" selection.

The products of "Express line" are a set of building blocks and parts that have pre-configured design and agreed quick delivery from our suppliers; hence quick for us to design and manufacture. The selection of the "Express line" products is based on our customers' buying pattern.

From your point of view, "Express line" products are the same custom-built ABB products as always – with a shorter delivery time. Simply stay within "Express line" ticks on the ordering data sheet and we can guarantee you a shorter delivery time. Our total production capacity and order backlog may of course still be a limiting factor but the probability of meeting short delivery times are certainly much higher compared to for other configurations.

Today we offer UBB and UZ within the "Express line" selection. UCG type tap changer will follow in January 2006.

New marketing and sales manager

Andreas Berthou has been appointed new marketing and sales manager for Components. Andreas replaces Hans Johanson, who have moved on to another position within ABB.



Did you know that...

Since 1969, more than 250 transformer and reactors for 765 kV grid systems have been equipped with ABB bushings. This represents over 80 % of all installations.

