

The Pulse of Power

Newsletter from ABB Power Technology Products, Components

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Introducing the new generation of GOE bushings



ABB is the market leader in condenser bushings and produces a large range of condenser bushings to suit all applications. Our new line of oil impregnated bushings has been designed with ever increasing customer requirements as our main focus, whilst incorporating twenty years of experience gained from our well known and established GOE range, one of the world's most successful bushing types.

The new GOE range consists of three different design concepts incorporated into one product family, enabling ABB to cover the entire voltage range from 52 kV through to 800 kV.

The new generation of GOE.

Each concept is optimized for its specific electrical ratings. The lower end of the range is based on traditional bushing technology, optimized for shorter lead-times while being lighter, more compact and yet robust. The mid-range is based on a new concept of insulation design allowing us to utilize the insulation material in a more efficient manner, giving a new state-of-the-art product. Finally, part of the range is still based on the existing GOE concept, already established as being the best solution for these bushings.

The new GOE range gives the following advantages:

- Designed for short lead times
- Light and compact
- High seismic withstand
- Improved pollution performance
- Based on proven technology

The marketing of the new line of GOE bushings will start at the end of 2002.

Nocturnal effort fix up tap-changer breakdown

A Saturday evening in May, a tap-changer broke down at Boliden Minerals Rönnkärsverken, one of the world's largest copper melting works, and caused a shutdown at one of the copper melting furnaces. The same night, ABB's service technicians alarmed ABB in Ludvika: We need spare parts!

At 6 p.m. the alarm got to Peter Olsson, manager of the After Sales Department at Components. The department has put a lot of effort into After Sales, and is on call 24 hours a day. However, the problem was that the required parts were not in stock since they are customized for each tap-changer. Voluntary co-workers Lennart Andersson and Tomas Palmqvist from the production line went to the factory, found the drawing from 1984 and started to manufacture the parts.

Meanwhile, Peter contacted a pilot with his own airplane, who had helped ABB before. The airports in Borlänge and Skellefteå - which were both closed for the weekend - were re-opened.

Around midnight, Peter drove the valuable parts from Ludvika to Borlänge airport. A couple of hours later, a taxi took them the last distance to Rönnkärsverken. Early Sunday morning the copper melting works could start again, and thus a long production stop was avoided.



Tomas Palmqvist, Lennart Andersson and Peter Olsson with the precious tap-changer spare parts.

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