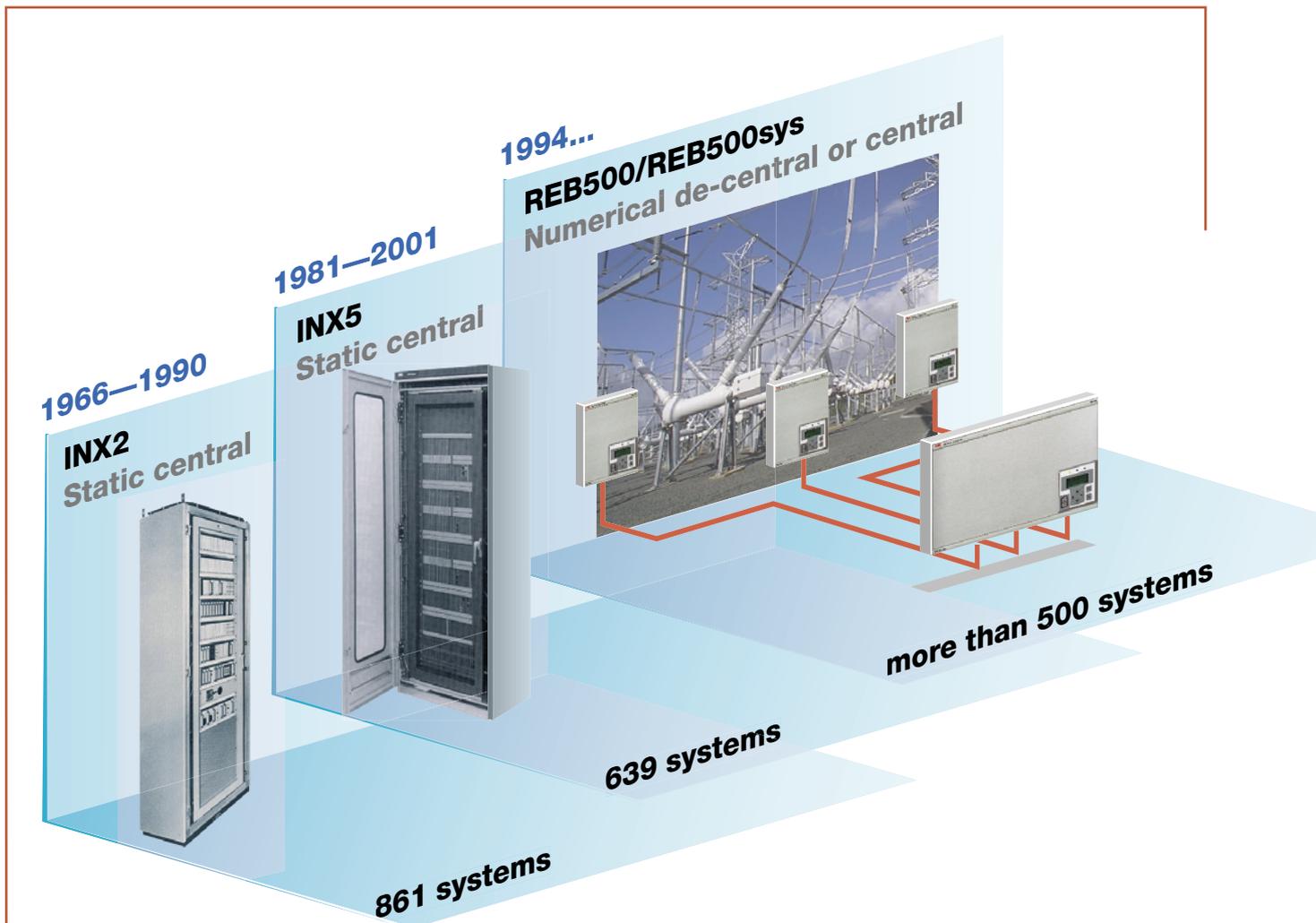


NEWSLETTER

Protection and Substation Automation – Market Communication: petra.reinhardt@ch.abb.com

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A great achievement: 2000 busbar protection systems including 500 numerical REB500 systems delivered

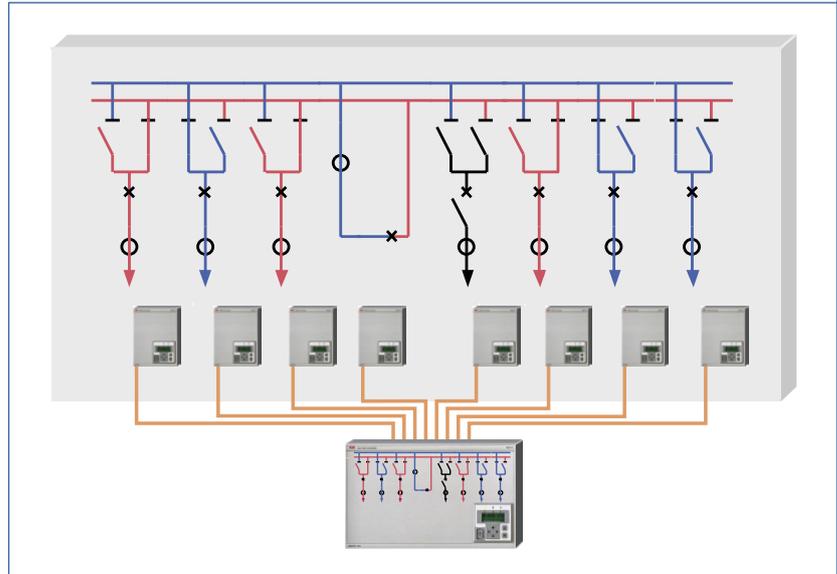


- ▲ The recipe for success: Experience coupled with innovation
- ▲ Germany's Bewag Aktiengesellschaft orders the 2000th busbar protection system
- ▲ Spain's Iberdrola S.A. takes delivery of the 500th numerical system REB500

Looking back creates awareness, looking forward creates innovation

ABB not only has a long history as supplier of busbar protection systems, it is also constantly setting trends with innovative solutions like

- ... **Numerical and truly decentralized systems** protecting even the largest and most complex configurations and offering bay-located backup protection, the REB500.
- ... **Station protection and monitoring systems** for the whole substation, i.e. busbars, line and transformer feeders, with the latest development, the REB500sys.



The impressive series of world's first introductions

- ... **1966:** Since the advance of the world's very first static low-impedance busbar protection system, the INX2, in 1966 there have been 861 such systems supplied.
- ... **1981:** In 1981 we delivered the first of a total of 639 static systems of the second generation, type INX5.
- ... **1994:** Based on the experience gained with both these systems over the years, we took a huge technological step: We developed the very first numerical and truly decentralized busbar and breaker failure protection system, the REB500. The first system was delivered in 1994 and meanwhile more than 500 such numerical systems have been supplied.

This adds up to the impressive total of 2000 systems and shows the trust our customers all over the world have in our solutions.

What is even more: clients order us to deliver REB500 when wanting a replacement for their well-proven INX2 system and thus manifest that experience coupled with innovation, reliability and good service are true values they appreciate in a supplier.

Honors for the 2000th BBP and 500th numerical REB500 system

- ... **The 2000th system has been ordered** by the German utility Bewag Aktiengesellschaft in Berlin. It protects the triple busbar of the 110kV GIS substation Wuhlheide.
- ... **The 500th numerical system REB500 has been delivered** to the Spanish utility Iberdrola S.A. in Murcia. Fausita GIS substation actually has the 500th and 501st REB500 protecting both its 220kV and 132kV double busbars.

Some more facts and figures:

- ... the largest fully equipped REB500 system comprises 44 bay units and protects Jurong Island 66kV substation in Singapore. It was delivered in 2000
- ... the largest engineered REB500 system has 45 bay units and protects again a station of Berlin-based Bewag Aktiengesellschaft, viz. that of 110kV UW Mitte since 1995
- ... more than 5500 bays are meanwhile protected by REB500 / REB500sys
- ... In more than 80 countries all over the world the systems protect 2000 installations on all voltage levels, from 6kV to 800kV.

For more information please refer to the responsible ABB sales engineer for your country or to the address mentioned below



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