

To meet the diverse demands of customers in the consumer, chemical and petroleum industries, ABB has to supply a huge range of top-quality products. From intelligent control systems through the best analytical devices available, to fast and secure data transfer schemes. Not to mention reliable service. In addition to being a very active provider of all these, ABB offers its Industrial^{IT} architecture as a simplifying and cost-saving way forward for these industries.

Besides detailing some of the newest ABB technology in these areas, *ABB Review 3/2003* will also be looking at how Industrial^{IT} and new IEC standards for communications systems and networks in substations go hand in hand. Other topics are: the latest advances in microrelays, novel boiler start-up techniques and a unique method for verifying HVDC thyristor valve design at punishing voltage and current stresses far above those normally encountered.



ABB Review The corporate technical journal of the ABB Group

Editorial board

Markus Bayegan
Group R&D and Technology

Björn Edlund
Corporate Communications

Friedrich Pinnekamp
Group R&D and Technology

Wylie Rogers
Corporate Communications

Charlotte Brogren
Group R&D

Anthony Byatt
Chief Editor
anthony.byatt@ch.abb.com

The ABB Review is published four times a year in English, French, German, Spanish, Chinese and Russian.

Publisher and copyright © 2003

ABB Ltd
Zurich/Switzerland

Publisher's office

ABB Corporate Management Services AG
Dept. Corporate Communications –
ABB Review
P.O. Box 8131
CH-8050 Zurich, Switzerland
Telefax +41 43 317 56 74
abbreview.abbzh@ch.abb.com

The ABB Review is free of charge to those with an interest in ABB's technology and objectives or those in management positions who need to be kept informed of the latest technology advances. For a free subscription please contact your nearest ABB representative or the publisher's office.

Printers

Vorarlberger Verlagsanstalt Aktiengesellschaft
AT-6850 Dornbirn/Austria

Design

DAVILLA Werbeagentur GmbH
AT-6900 Bregenz/Austria

Partial reprints or reproductions are permitted subject to full acknowledgement. Complete reprints require the publisher's written consent.

ISSN: 1013-3119

www.abb.com/abbreview