



## LETTER OF REFERENCE

Dr. **Nils BASSE**, born 09 May 1974, from Danemark, was employed by the ABB Corporate Research Center from 01 January 2006 until 31 January 2011.

In his function as **Principal Scientist** of our group RD.V3, Dr. Basse was fully responsible for the following activities:

- Research and development of high voltage circuit breakers, including extensive analysis software development, dedicated experiments on thermal and dielectric interruption performances, and design of test devices and prototypes
- Applied research on optical methods for circuit breaker diagnostics, including the building of a schlieren diagnostic setup and quantification of flow quantities inside different gas circuit breaker test devices
- 3-month job rotation with development unit PTH-G for development support of a high current generator circuit breaker
- Project leader for the basic understanding and modeling of air load break switches and development of a new prototype (in collaboration with an external business unit in Poland)
- Responsible for the monitoring of SF6 activities across ABB units, competitors, environmental agencies, the scientific community and the organization of internal workshops. Responsible for literature monitoring for the gas circuit breaker group since 2006.
- Author and co-author of 15 ABB internal reports, 9 scientific publications (journals and conferences) and 2 patent applications
- Supervision of two diploma students
- Deputy group leader since 2008

We have come to know Dr. Basse as a reliable, dedicated and loyal employee, who possessed excellent organizational and technical skills, as well as being able to work well in a multicultural environment. Dr. Basse was goal-oriented, fully achieving set objectives and accomplishing tasks independently. He made good suggestions for the improvement of processes, contributed innovative ideas, and was committed to their implementation. He integrated well into teams, put his own interests aside in consideration of common goals and expressed himself in a clear way.

Dr. Basse applied entrepreneurial principles to his assignments and displayed cost-consciousness. He shared his knowledge further, was helpful, encouraged the exchange of information, and always accepted responsibility. Dr. Basse was well aware of the importance of change leading to progress, and could recognize the associated opportunities and risks.

Standing completely behind his beliefs, actions and decisions, Dr. Basse was open to differing opinions and actively contributed to the solution of conflicts. He stated his own position and gave factual feedback, showing an ability to be fair and constructive in his criticism of others, and in accepting criticism. He knew his own strengths and weaknesses very well and always pursued further professional development.

Dr. Basse fulfilled our expectations of him to our complete satisfaction. He leaves us of his own accord. For his valued commitment and performance, we would like to take this opportunity to

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ABB Switzerland Ltd, Corporate Research

Postadresse:  
ABB Switzerland Ltd, Corporate Research  
Segelhofstrasse 1 K  
5405 Baden 5 Dättwil

Telefon:  
+41 58 586 84 11

Telefax:  
+41 58 588 00 03

Internet:  
[www.abb.ch](http://www.abb.ch)



express our thanks and recognition. We regret his departure and wish him everything well and great success in carrying out his future activities, both professionally and personally.

Dättwil, 31. January 2011 HR-CSA/ldm/es

**ABB Switzerland Ltd**  
**Corporate Research Center**

Christian Ohler  
Head of Electrotechnologies

Silvia Murara  
Senior HR Business Partner

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