

Nils T. Basse

Siemens A/S, Flow Instruments

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Date

September 30th, 2016

Letter of Reference

Dr. Nils T. Basse was employed by Siemens A/S, Flow Instruments from February 2011 until September 2016.

In his function as a Senior Research Engineer in Research and Development (R&D), Dr. Basse carried out the following activities:

- Project leader of the Flow Technology project:
 - Modelling and Simulation Program
 - Extensive analysis software development
 - Maintain and upgrade laboratory facilities
 - Computational fluid dynamics (CFD) simulations to optimise production flow rigs
 - Internal collaboration with:
 - Corporate Technology
 - Advanced Technologies and Standards
 - Venture Capital
 - Healthineers
 - Competitor benchmarking
 - Marketing and Service support for e.g. customer questions and visits
- Coriolis flowmeter R&D:
 - Mechanical simulations to understand sensitivity scaling
 - Systems Architect for the SITRANS FC430 flowmeter until initial product launch
 - Design guide for the electromagnetic driver/pickup system
 - Fluid mechanics areas:
 - Flow noise for high-speed gas flow
 - The water hammer effect in flow rigs and for batching applications
 - Measurement error and tube damping due to two-phase flow

- Electromagnetic flowmeter R&D:
 - Electromagnetic simulations to improve sensor design
 - Analysis of production hipot testing issues
 - Magnetic field measurements and analysis
 - Scaling of flow noise with mean flow speed
 - Participation in writing a new ISO standard as a member of Danish Standards
 - Analysing changes in production calibration factors
- University and industry collaboration:
 - Member of DANSIS, The Danish Society for Industrial Fluid Dynamics
 - Job fair participation
 - Guest lectures at the Aalborg University – Esbjerg Campus
 - Supervision of 12 students from B.Sc. to Ph.D. level
- Author of 22 internal reports
- Intellectual property:
 - Maintenance of our electromagnetic patent portfolio
 - Co-author of non-disclosure agreements
 - Author of 9 invention disclosures

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

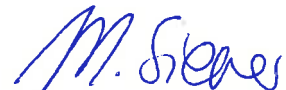
Yours truly



Steen Skytte Jensen
Department Manager
Mechatronic Systems



Dominique Basson
Head of R&D



Martina C. Siemer
HR Business Partner