



Internship/ Thesis (m/f): Optimisation of Computational Methods for Temperature Rise Prediction of Dry Transformers

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Location: Brilon, North RhineWestfalia, Germany
Job Function: Research and Development
Employment Contract Type: Diploma work
Publication ID: DE54433648_E2

Tasks

You will focus on assessing a computational method for overtemperature projections relating to dry transformers. For this purpose, you will apply a thermal network model and semi-empirical methods. The aim of this work is to optimise and refine the computational method on the basis of statistical analysis.

Your key tasks will be as follows:

- Compare results of calculations with measurements taken during operation.
- Conduct statistical analysis and assess overtemperature projections.
- Optimise computational methods for various types of dry transformers and transformer components.
- Improve and update computational method on the basis of assessment.

Requirements

- Candidates will currently be studying Mechanical Engineering, Process Engineering or Electrical Engineering and will have a keen interest in simulation computations and

statistical analysis.

- You will also have some knowledge of C++ and Visual Basic programming.
- An understanding of thermodynamics and heat transfer is essential.
- A fluent command of German or English, both written and spoken, is equally important.
- Last but not least, you will be well-structured and independent in your approach to work, in addition to displaying strong communication skills and the ability to acquire new knowledge.

Additional Information

Interested in joining our team? We look forward to receiving your full application (covering letter, CV/résumé, latest grades, possibly other reports/certificates/diplomas) via our online careers tool.

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