

PMaSynRM for heavy duty application

The goal of the pre-study: The preparation of a project application for a comprehensive study of rare earth free electrical machines for heavy-duty vehicles

Expected Result:

- A scientific literature study and identification of previous important work efforts
- Establish design boundaries and priorities for different heavy-duty applications
- An evaluation of the usage of optimization tools for commonly used electromagnetic design software
- Implementation of a base machine structure and preliminary performance simulations
- Development of a larger project application with academic and industrial senior researchers and possibly a postdoc/PhD.

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