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## Energy and Water Optimization

Arla Foods, Supply Chain Excellence, is a global function, under which the PMUO department is responsible for Packing/filling, Maintenance and Utility Optimization (PMUO).

One of Arla's focus areas is Energy and water optimization. Where Arla has very high ambitions, including 25% CO2 reduction and 50% of our energy is to be renewable before 2020. What we do, influence on Arla's environmental targets, production capacity, cost, etc.. We offer a project collaboration, in a global company, where you will be challenged on your theories to make them work in daily life. During your project, you will be able to get support from our entire team.

### The project we offer you

Arla has more than 60 sites across Europe producing everything you can imagine within dairy products. There are multiple sites that do produce the same type of products but they do it with different amounts of energy and water compared to produced volumes. We would like to get a better overview across our site; where do we perform best and why?

Areas of interest, that could be included in a thesis are:

- Analysis across our sites in relation to usage of energy and water.
- Mapping of specific sites' consumption

of energy and water based on:

- Production technology
- Capacity
- Production setup
- Optimization of potentials between sites. Developing of best practices
- Estimation of savings potentials
- You come up with more...

The results from this project will be used to inspire Arla in our future work with energy and water savings. Final scoping of project, will be done in collaboration between the student and Arla. Stakeholders can be both in Viby, as well as around Europe.

### Student qualifications

The preferable student can be both technical or business oriented. A combination will only be an advantage. You are self-driven, analytical, capable of organizing large amounts of information, make the right conclusions and come up with challenging, yet realistic solutions. You are open-minded and dare to challenge the status quo.

### How can you apply?

Please send a synopsis and your CV to [thesis@arlafoods.com](mailto:thesis@arlafoods.com) no later than October 26th 2016 with the subject name "Energy & Water Optimization". You will be notified whether your synopsis has been chosen by the thesis advisor no later than November 11th 2016.