Master thesis concerning the creation of biofuel production system

Introduction
Swedish Algae Factory is a start-up that are aiming for commercialization in the coming year. Swedish Algae Factory believes that algae is the future biomaterial for several purposes, but for now we are aiming to produce biofuel from algae. Algae has the advantage compared to other energy crops that it grows significantly faster, do not need fresh water to grow and do not compete with food production since it can be grown on non-arable land. Swedish Algae Factory is founded around an algae that grows well in low light conditions and low temperatures which results in an energy efficient cultivation in cold and dark climate and increased production of algae biomass during the night in both warm and cold climates.

Project description
Swedish Algae Factory are right now in the process of developing a cultivation system that suits these kinds of algae, that has a small environmental footprint and that uses surfaces in a good way. We believe that your competences can be used to make sure that this cultivation system is built in an energy effective, cost effective and environmentally friendly way. Your competences in CAD will also help us visualize a prototype for potential customers and financiers. We are currently undergoing a patenting process so unfortunately we cannot be more informative about the project details for now. If you are interested in joining our team during your master thesis you will have to sign confidentiality agreements which will enable us to give you more information about the project.

Who are we looking for?
We are looking for a creative and driven student that is interested in being a part of creating cultivation systems for a new promising renewable fuel. The work will be self-going, where taking own initiative will be both necessary and encouraged.

What we offer
We will offer you 5’000-15’000 SEK in economic compensation to work together with us as well as the possibilities for a future employment with us. We will also offer you an office space in a stimulating environment at Chalmers Innovation together with other aspiring entrepreneurs.

Contact information
If you are interested in knowing more about the project, please contact us for a meeting discussing the possibilities for you working together with us during the spring

Sofie Allert  sofie@swedishalgaefactory.com  0703-875509
Linnea Wikman  linnea@swedishalgaefactory.com  0708-899858