

Thesis

Project 2: Eco-friendly liquid barrier for food packaging

Company: Cascades Djupafors AB



Extent

Masterlevel (20 weeks), suitable for one or two students working together.

Field of study

Mechanical or Chemical Engineer with specialization in polymeric materials, wood/paper, process development and energy/energy efficiency.

Planned start and duration

Spring and summer 2013.

Task

Description

Cascades is a Canadian group of companies specializing in the manufacture and conversion of pulp and paper products. The group consists of approx. 120 companies in North America and Europe. Cascades Djupafors AB are included in the division for manufacturing of cardboard for packaging both dry and liquid food.

Cascades Djupafors AB has approx. 150 employees in Kallinge and produce approx. 60 000 tons of cardboard for the European market. The company has a strong environmental profile and an explicit goal to combine environmental responsibility with economic efficiency and sustainability that meets both the shareholders, customers and employees' expectations.

Background

Cascades Djupafors AB manufactures paperboard for example food packaging with high demands on good barrier properties. For example, when manufactures cardboard, intended to enclose brewery or liquid food, it's normal to always put on an additional barrier layer.

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But on the market today, there is no competitive alternative with clear environmental, why Cascades Djupafors AB now want start up a thesis with the goal to explore the possibility of locating or developing an eco-friendly barrier concept that can be a real alternative to current solutions.

The assignment will likely need to include literature studies, practical experiments and tests in laboratory equipment and production line. Additionally, significant communication with various materials suppliers is to be expected.

Location

Kallinge. The work is possible to perform partly at distance.

Language

The thesis should preferably be in English.

Expenses

Expenses might be reimbursed after agreement.

Please contact

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Application

Register your interest by sending your CV, cover letter, course list and references to the contact person at Cefur: martina.lindgren@ronneby.se
Application and selection is ongoing.