

Internship description

Buildings – European Product Environmental Footprint – Life Cycle Assessment



Dates: From February/March 2015
Duration: 4 to 6 months
Location: cd2e / Loos-en-Gohelle, (30' from Lille, carpooling possible; accessible by train & bus)
Themes: Building, thermal insulation, Life Cycle Assessment, environmental labelling, EN15804, PEF

Description

In April 2013, the European Commission announced the launch of a **three-year testing period** to harmonize the methods of calculating and reporting the environmental impact of different product categories across Europe. One recommendation called on EU Member States to adopt the PEF (Product Environmental Footprint) methods to calculate the environmental footprint of products. Of 90 applications received for the pilot, 14 projects were selected by the European Commission including the [avniR] Platform - cd2e on thermal insulation products for buildings

As support to an [avniR] consultant, you will be responsible for:

Implementation of an environmental screening (based on Life Cycle Assessment) to compare different roof insulation products (flat and inclined)

To achieve this, you will need to:

- Understand the PEF method,
 - o Carry out a synthesis of the EN15804 standard, the PEF method and the product category rules developed by other PEF pilot projects
 - o Participate in the production of the product category rules for thermal insulation by:
 - Defining the "representative product" for the test, which describes the features of a typical average product sold on the market (taking into account the Commission's guidelines and representative products)
 - Proposing practical options for implementing the selection phase
- Identify the different insulation products and their application in the roofing systems (flat and inclined)
 - o Data collection and production of the Life Cycle Inventory (LCI)
 - o Through screening of representative products, identification of:
 - The most relevant environmental impacts
 - Stages of the life cycle with the most impact
 - The least energy and impact-intensive processes

This description covers the principal responsibilities; it is not exhaustive. Depending on your efficiency and performance, you may have the opportunity to participate in the support or development of new projects at the [avniR] Platform.

Description of the employer:

The [avniR] LCA platform helps organisations develop better products, systems and services through life cycle management. We provide direct support for organisations in Northern France, and develop partnerships with national and international organisations to share tools and create new projects, including the European Commission and the UNEP/SETAC Life Cycle Initiative.

[avniR] is an initiative of the not-for-profit organisation [cd2e](http://cd2e.com), team of environmental and business experts dedicated to supporting the environmental sector in Northern France and abroad.

More information at avnir.org

Skills required:

Autonomy, rigor, ability to propose new ideas, excellent English (spoken and written), writing skills. Technical knowledge of LCA and/or the building sector is preferred and a minimum level of spoken French is a plus. Minimum masters level.

Please communicate your CV and cover letter to avnir@cd2e.com before **15 February 2015**.

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