

# Investigate and improve carbon emissions at Rhenus Road

**Company:** Rhenus Road (via CoE Supply Chain Innovation)

**Location:** Rhenus Road location Venlo, possibility to travel to other sites of Rhenus Road in the Netherlands

**Duration:** 5 months from September 2023

**Internship Allowance:** €300

**Role:** Internship

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## **Problem description:**

Due to new and upcoming regulations concerning the measurement and (mandatory) reporting of Greenhouse Gas (GHG) emissions logistics companies need to be prepared for performing CO<sub>2</sub> measurements and CO<sub>2</sub> reduction activities within the company and in the supply chain. Since many companies are not aware of the implications of these new regulations, they are in great need of help. Next to that, companies lack awareness on the requirements from customers and suppliers for CO<sub>2</sub> emission reports and agreements in the supply chain.

As a starting point lectoraat (CoE) Supply Chain Innovation is currently executing a project to help SMEs by measuring and analysing CO<sub>2</sub> emissions at the operational level. The focus of this research is on measuring, analysing, and improving the direct CO<sub>2</sub> emissions (Scope 1 and 2) of the current situation of the primary processes.

## **Assignment:**

This project is part of the project executed by the lectoraat. The student can support the research group with the following assignment:

### **Investigate, analyse, and make proposals for improvement of the CO<sub>2</sub> emissions of the primary processes of Rhenus Road.**

In this assignment, the student investigates the current primary processes at the location of Rhenus Road in Venlo and determines the energy drivers of these processes that result in scope 1 and 2 emissions (direct emissions). Moreover, the student validates the corresponding data in the system and makes changes where necessary. Based on the current situation, analysis can be made whether the data is in line with the mandatory regulations and methodologies for the logistics market. The analysis then forms the basis to identify areas for which the carbon emissions can be reduced. Finally, the student creates a proposal for the implementation of this methodology at other locations of Rhenus Road in the Netherlands.

## **Interested?**

Would you like to enrich your knowledge of the impact and consequences of carbon regulations on logistics companies? Then this is a suitable project for you. If you would like to participate in this project, please send your letter of motivation and resume to Guy Somers ([g.somers@fontys.nl](mailto:g.somers@fontys.nl)) and Leonie Geurts ([l.geurts@fontys.nl](mailto:l.geurts@fontys.nl)) before July 14<sup>th</sup> 2023.