“Enabling Logistics Decarbonisation” - together with open source

**Zero-emission logistics: Open Logistics Foundation establishes a new Working Group under the lead of LKW WALTER**

Tuesday, 3rd September 2024

**Up to 10% of global greenhouse gas emissions are caused by freight transport and logistics. According to the International Transport Forum, demand for both sectors will triple by 2050. Logistics companies are, therefore, putting a lot of effort into sustainability and stricter legal requirements. In order to offer a cross-company solution for the industry, the Open Logistics Foundation has founded the *Enabling Logistics Decarbonisation* Working Group under the lead of LKW WALTER. The first project deals with an open source standard for exchanging emissions data.**

Logistics service providers are driving forward the standards for greener zero-emission logistics to achieve the Paris Climate Agreement targets and open up competitive advantages and new business models. There is currently no standard for the exchange of emissions data between freight forwarders, logistics service providers, shippers and customers that companies along the supply chain can use. Cooperation between national and international companies is crucial for successfully implementing such a standard. This is where the Open Logistics Foundation, a non-profit and commonbenefit organisation, acts as a mediator. The Foundation members work together at an international level to develop open source solutions for simplified data exchange in the industry. The new *Enabling Logistics Decarbonisation* Working Group was established within the Foundation to implement sustainability standards. “The Working Group is not only committed to promoting decarbonisation in the logistics industry but also places a special focus on the implementation of de-facto standards and the common open source implementation that everyone can use,” explains Andreas Nettsträter, CEO of the Open Logistics Foundation.

**Working Group drives standardisation of sustainability data in logistics**

The newly founded Working Group is led by LKW WALTER and has 12 other members. The first project within the Working Group is called *Emissions Data Exchange* and will be implemented immediately. The project aims to validate and implement the iLeap data model developed by Smart Freight Centre and the SINE Foundation for the exchange of sustainability data along the supply chain in various use cases. Smart Freight Centre is a network partner of the Open Logistics Foundation and an international non-profit organisation focusing on reducing greenhouse gas emissions in freight transport. The SINE Foundation is also a non-profit organisation that develops and implements innovative research results in the fields of cryptography and economics. With the iLeap data model, the project participants want to establish a standard for seamless connectivity in the transparency of logistics emissions. The model is based on the already globally recognised GLEC framework and the associated ISO 14083 standard, a calculation method for greenhouse gas emissions in logistics.

“The new Working Group will focus on establishing harmonised solutions along the entire supply chain,” explains Justin Lemmens, Manager for Safety, Health, Environment and Quality (SHEQ) at LKW WALTER. “After all, solutions for greater sustainability are now being developed in a network: by working together with companies and using open source software, we are creating greener logistics.”

**Participants in the Working Group**

LKW WALTER (Working Group lead), BLG, Cargo Sign, Contargo, Dachser, DB Schenker, DHL, Fraunhofer IML, GRYN, iteratec, Rhenus, Transporeon, Zufall.

Further information on the Open Logistics Foundation at [openlogisticsfoundation.org](https://openlogisticsfoundation.org/)

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**Image 1:** There is currently no standard for the exchange of emissions data between freight forwarders, logistics service providers, shippers and customers that companies along the supply chain can use.

**Image 2:** Justin Lemmens, Manager for Safety, Health, Environment and Quality (SHEQ) at LKW WALTER

**Image 3:** Andreas Nettsträter, CEO of the Open Logistics Foundation

**About**

The Open Logistics Foundation and its supporting association Open Logistics e.V. were founded in 2021 and are independent and neutral organisations. The non-profit and commonbenefit foundation based in Dortmund is completely financed by industry partners and is dedicated to the voluntary development of innovative open source solutions at a commodity level for the logistics industry. The focus is on open and fair cooperation between different companies, which can also be competitors in the free market. The overarching goal is to solve the most pressing existing problems of the logistics and supply chain management (SCM) community with uniform standards, tools and services, based on open source.

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