

# Environmental Report 2021





## Information about this report:

- This report presents the greenhouse gas emissions of transport services supplied by Ahola Transport
- The GHG emissions\* in this report are calculated in accordance with the EN 16258 standard.
- This report presents the GHG emissions as CO<sub>2</sub> equivalent\* figures. In previous reports and in the sea freight part of this report emissions are presented as CO<sub>2</sub>.
- Ahola Transport is calculating the distance of the transport assignments according to the fastest feasible route for heavy vehicles.
- Empty kilometres are included in the transport assignment distance and thus the GHG emissions cover also the empty driving

*\*Greenhouse gas, GHG*

*Gaseous constituent of the atmosphere, both natural and anthropogenic, that absorbs and emits radiation at specific wavelengths within the spectrum of infrared radiation emitted by the earth's surface, the atmosphere, and clouds.*

## Background to Ahola Transport's Environmental Work

Ever since the middle of the 1990s, Ahola Transport has actively worked on improving its environmental profile. In 2000, a more purposeful environmental effort was begun in which third-party certification of the company's environmental system (according to ISO 14001) constituted a natural step. This goal was reached in 2002 when the company obtained its ISO 14001 environmental management certificate. Since 2001, the company has published an annual environmental report where the goals and results of the environmental work are presented.

The rationale behind the active work on environmental improvement measures is founded on demands from customers, national and international programmes and other interest parties. The environmental work and company targets reflect an ever greater environmental awareness also among the company's owners and co-workers.

## The following tasks form the core of our environmental work:

- Constantly reducing our fuel consumption and our emissions in relation to the quantity of transported freight.
- Increasing our co-workers' insight into environmental issues.

# The continuing environmental work

Ahola Transport's mission has for years been to offer more efficient, more reliable and more environmental friendly transport and logistics services. The basis of the environmental work consists of the company management's environmental targets and environmental programme where the focus is continuously reducing the environmental impact in relation to our produced tonne-kilometres.

Ahola Transport plans and carries out transport assignments with a concept of dynamic logistics, the customer's freight needs are always the starting point for routing. This way, lead times can be shortened, freight handling is minimized, flexibility is increased and emissions are reduced.

## Development areas of environmentally friendly transport services

### PROFESSIONAL SKILLS

Quality standards  
Assisting technology  
Training and coaching  
Driver approval and certification programs



 Eco-driving

### REAL-TIME OPERATIONS

Dynamic logistics  
Connectivity  
Digitalization  
Minimized waste



 Operational efficiency

### OPTIMIZED FLEET

Modern truck technology &  
High load capacity concepts



 Lower fuel consumption &  
Higher payload

### ENERGY CHOICES

Alternative energy choices  
Green Km-services  
Optional climate compensation



 Carbon neutrality

## Targets for 2022

### Numeric target

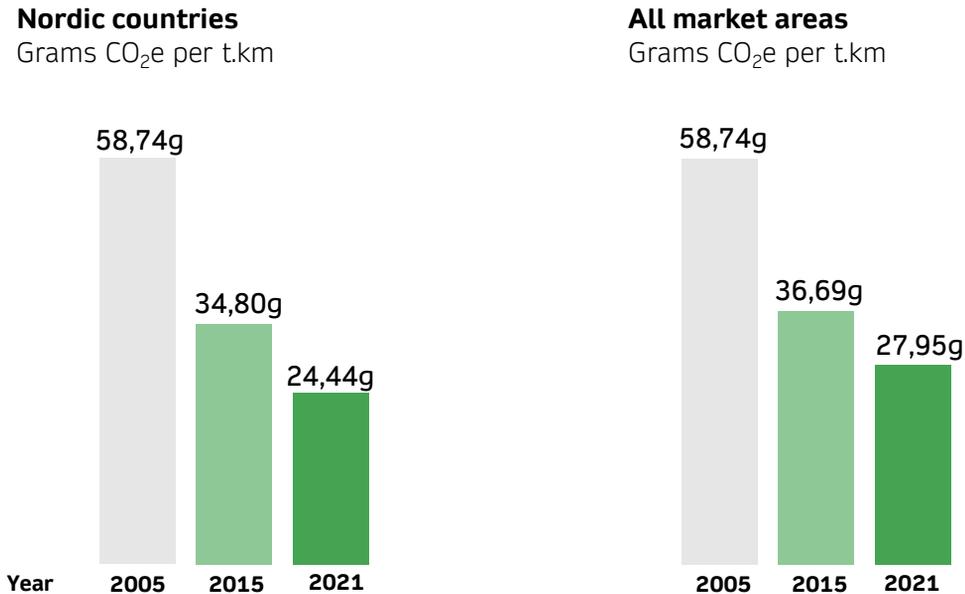
27,39 grams of CO<sub>2</sub>e/t.km in road transport services.

### Activity targets

- Continuous improvement in the development areas for lower transport emissions: Professional skills, real-time operations, fleet development, and energy choices.
- Research and development work towards low carbon services: New technologies and energy alternatives such as electricity.
- Continuous development concerning facilities' energy efficiency such as heating and lighting according to targets set at Group level.

# GHG emissions of road transport services 2021

GHG emissions per Tonne-kilometre (t.km)\*



The 2005 column presents data of the transport industry's emissions in Finland in 2005 from public sources  
The 2015 column presents Ahola Transport's emissions in 2015, which is also our reference year for reporting  
The 2021 column presents Ahola Transport's emissions for the reporting year 2021.

\*The most applicable unit for freight transport activity is tonne-kilometre. A tonne-kilometre, abbreviated as t.km, is a unit of measure of freight transport which represents the transport of one freight tonne of goods over a distance of one kilometre.

## \*CO<sub>2</sub> equivalent

A carbon dioxide equivalent or CO<sub>2</sub> equivalent, abbreviated as CO<sub>2</sub>e is a metric measure used to sum the emissions from various greenhouse gases on the basis of their global-warming potential (GWP), by converting amounts of other gases to the equivalent amount of carbon dioxide with the same global warming potential.

### CO<sub>2</sub>e summarizes the following greenhouse gases:

- Carbon dioxide CO<sub>2</sub>
- Methane CH<sub>4</sub>
- Nitrous oxide N<sub>2</sub>O
- Sulphur hexafluoride SF<sub>6</sub>
- Hydrofluorocarbons HFCs
- Perfluorocarbons PFCs

# CO<sub>2</sub>e traffic emissions of road transport services

## Nordic countries

Grams CO<sub>2</sub>e per t.km

Tank to Wheel Grams CO <sub>2</sub> e per t.km	34,80	31,54	28,10	24,82	24,44
Life cycle Grams CO <sub>2</sub> e per t.km	44,40	42,28	38,89	35,90	35,62
Tank to Wheel Energy consumption, MJ per t.km	0,505	0,492	0,460	0,433	0,431
Life cycle Energy consumption, MJ per t.km	0,686	0,694	0,664	0,641	0,640
<b>Year</b>	<b>2015</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>

## All market areas

Grams CO<sub>2</sub>e per t.km

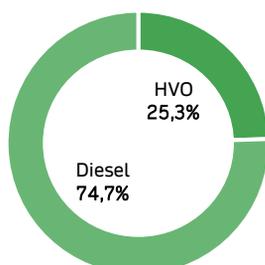
Tank to Wheel Grams CO <sub>2</sub> e per t.km	36,69	33,89	31,15	28,84	27,95
Life cycle Grams CO <sub>2</sub> e per t.km	46,16	44,12	41,39	39,19	38,21
Tank to Wheel Energy consumption, MJ per t.km	0,521	0,507	0,480	0,459	0,449
Life cycle Energy consumption, MJ per t.km	0,700	0,699	0,673	0,654	0,642
<b>Year</b>	<b>2015</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>



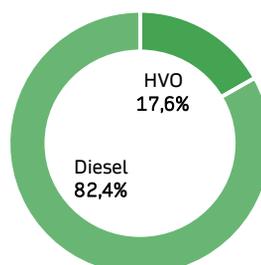
## Bio fuels

Share of bio-based fuels of total amount used for road transport in 2021

Nordic countries



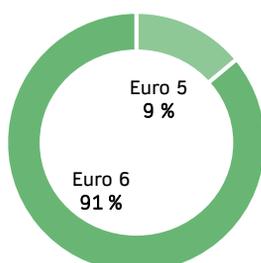
All market areas



## Vehicle euro classes

The result shows the distribution of EURO classes for all of our own and contracted vehicles in the end of 2021.

Nordic countries



All market areas



## Emissions of sea transports connected to road transports

Emissions of sea transports are presented as CO<sub>2</sub> (Tank-to-Wake)

All market areas 2021

106,7\* grams of CO<sub>2</sub> per t.km

\*weighted average based on emission data provided by ferry companies

# Business Policy

(Quality and Environmental policy)

*Ahola Transport is a transport and logistics company that operates in Europe. The company plans and carries out direct transports for industry and trade. Its vision and business management emphasise added customer value and efficiency. The company's values – overall responsibility, transparency and respect for the individual – form the foundation for all of its operations.*

## **Our objective is to:**

- generate added value for customers, employees, suppliers, society and owners
- ensure competitiveness in supply chain management and transport operations
- create and maintain a safe and comfortable working environment for our staff and cooperation partners, as well as to actively participate in the development of a secure operating environment
- be a player that takes environmental impact into consideration in all of its operations

## **We will achieve this by:**

- conducting an ongoing dialogue with our customers in order to enhance our understanding of their needs
- developing and adapting new logistics solutions related to our work methods, transport fleet and IT
- continuing to enhance the "Ahola way of working" by focusing on value-creating processes, eliminating waste and involving all employees in our improvement work
- continuing to carry out work atmosphere and job satisfaction surveys and devising programmes that continuously improve the working environment, as well as raising road safety in our operations
- investing in development, training and competence in the fields that are especially critical to the environment and quality, as well as encouraging road-users and cooperation partners to actively participate in these activities
- preventing pollution, complying with applicable environmental legislation and other requirements and continuously improving the company's environmental and quality process
- setting up clear targets and defining indicators for the focal areas listed above



**Hans Ahola**  
CEO