

Environmental Report 2022



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 CO₂ equivalent* figures. In previous reports and in the sea freight part of this report emissions are presented as CO₂.
- 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**

OPTIMIZED FLEET

- Modern truck technology &
- High load capacity concepts

>> **Lower fuel consumption & higher payload**

REAL-TIME OPERATIONS

- Dynamic logistics
- Connectivity
- Digitalization
- Minimized waste

>> **Operational efficiency**

ENERGY CHOICES

- Alternative energy choice
- Green km-services
- Optional climate compensation

>> **Carbon neutrality**



Targets for 2023

NUMERIC TARGET

27,15 grams of CO₂e/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 2022

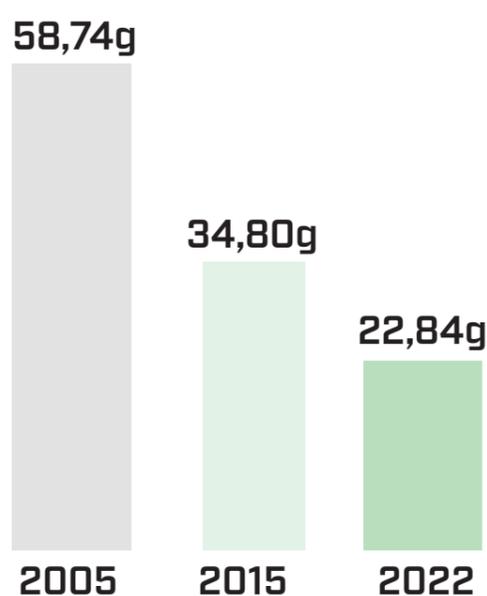
GHG EMISSIONS PER TONNE-KILOMETRE (T.KM)*

*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.

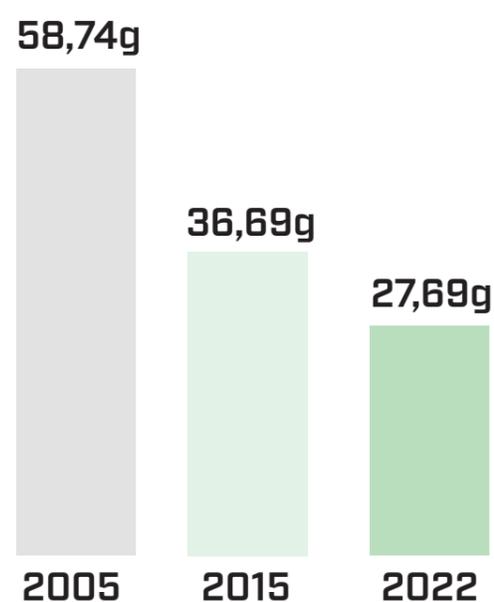
Nordic countries

Grams CO₂e per t.km



All market areas

Grams CO₂e per 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 2022 column presents Ahola Transport's emissions for the reporting year 2022.

*CO₂ equivalent

A carbon dioxide equivalent or CO₂ equivalent, abbreviated as CO₂e is a metric measure used to sum the emissions from various greenhouse gases on the basis of their globalwarming potential (GWP), by converting amounts of other gases to the equivalent amount of carbon dioxide with the same global warming potential.

CO₂E SUMMARIZES THE FOLLOWING GREENHOUSE GASES:

- Carbon dioxide CO₂
- Methane CH₄
- Nitrous oxide N₂O
- Sulphur hexafluoride SF₆
- Hydrofluorocarbons HFCs
- Perfluorocarbons PFCs

CO₂ traffic emissions of road transport services

Nordic countries

Grams CO_{2e} per t.km

Tank to Wheel Grams CO _{2e} per t.km	34,80	31,54	28,10	24,82	24,44	22,84
Life cycle Grams CO _{2e} per t.km	44,40	42,28	38,89	35,90	35,62	34,19
Tank to Wheel Energy Consumption, MJ per t.km	0,505	0,492	0,460	0,433	0,431	0,418
Life cycle Energy Consumption, MJ per t.km	0,686	0,694	0,664	0,641	0,640	0,631
Year	2015	2018	2019	2020	2021	2022

All market areas

Grams CO_{2e} per t.km

Tank to Wheel Grams CO _{2e} per t.km	36,69	33,89	31,15	28,84	27,95	27,69
Life cycle Grams CO _{2e} per t.km	46,16	44,12	41,39	39,19	38,21	38,18
Tank to Wheel Energy Consumption, MJ per t.km	0,521	0,507	0,480	0,459	0,449	0,450
Life cycle Energy Consumption, MJ per t.km	0,700	0,699	0,673	0,654	0,642	0,648
Year	2015	2018	2019	2020	2021	2022

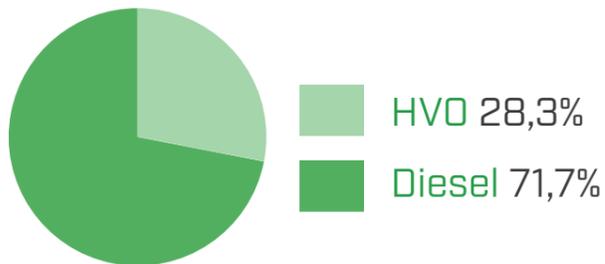




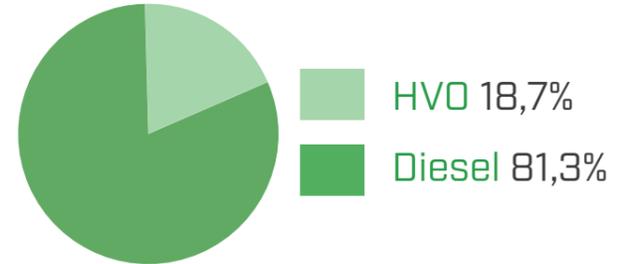
Bio fuels

Share of bio-based fuels of total amount used for road transport in 2022.

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 2022.

Nordic countries



All market areas



Emissions of sea transports connected to road transports

Emissions of sea transports are presented as CO₂ [Tank-to-Wake]

All market areas 2022

103,2* grams of CO₂ 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



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Ahola Transport