

SUSTAINABLE TRANSPORT



1. Definition

Sustainable Transport known also as **Green Transport**, it is any form of transport that does not use or rely on dwindling natural resources and that is sustainable in the senses of social, environmental and climate impacts.



The environmental impact of transport is significant because transport is a major user of energy, and burns most of the world's petroleum. This creates air pollution, including nitrous oxides and particulates, and is a significant contributor to global warming through emission of carbon dioxide.

2. The most interesting companies operating in the sector



Popa boat is a smart electric catamaran designed to be used in inland waters: lakes, rivers, canals and lagoons. Catamaran uses green energy, it is powered by batteries and solar panels.

E/NRIDE

Einride is a Swedish autonomous trucking company, which has developed an autonomous, cab-less freight-hauling electric truck, called the T-pod. The T-pod is SAE Level 4 autonomous truck that can be controlled remotely and has begun daily deliveries on Swedish public road with logistics giant DB Schenker.



Wunder Mobility is a Hamburg-based startup provides companies and cities a platform to offer their own mobility services such as car sharing, electric scooter rentals, digital parking or shuttle services to the end customer.



The Dutch start-up **Cargoroo** is a smart electric neighbourhood cargo bike that can be used by families and small businesses, available at fixed locations in urban districts and rented by the hour. Cargoroo provides a fun, healthy, sustainable and fast alternative to car ownership and city logistics.



Hyperloop is a new means of transport that allows people or goods to move at very high speeds based on the concept of sustainable transport. Think of it as a cross between a train and an airplane.

3. Interesting facts

#1 Road transport accounts for almost three quarters of the energy used in transport in the EU.

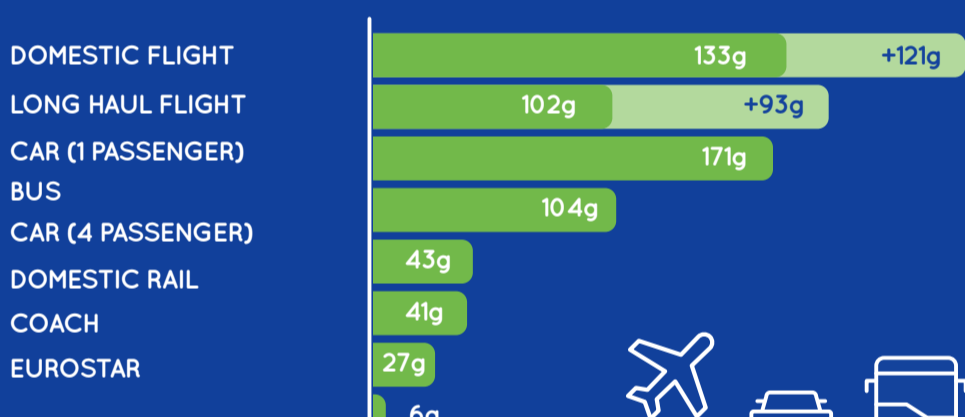
#2 More and more hybrid and battery-electric vehicles are being sold in the EU. Although they still represent just 1.3 % of all new cars sold.

#3 In the EU, about one fourth of the total business R&D expenditure is transport related.

Emissions from different modes of transport

■ CO2 EMISSIONS

■ SECONDARY EFFECTS FROM HIGH ALTITUDE, NON CO2 EMISSIONS



NOTE: CAR REFERS TO AVERAGE DIESEL CAR
SOURCE: BEIS / Defra Greenhouse Gas Conversion Factors 2019

4. How many jobs are in the area



In Europe, 1 out of 20 jobs is in the transport sector.

More than 11.4 Million Europeans work in transport service-related jobs.

The industry contributes 5% to the Union's GDP.



5. Future

Private car journeys currently represent just over half of all trips made in major cities, but will sink to 46% by 2030.



Based on a business-as-usual trend, global carbon dioxide emissions are forecast to increase to some **43.08 billion metric tons in 2050**, in comparison to **35.3 billion metric tons of carbon dioxide in 2018**.

6. Others

Clean mobility instead of dirty traffic

Some action fields on the road to a smart and sustainable city

