

Innovating to compete

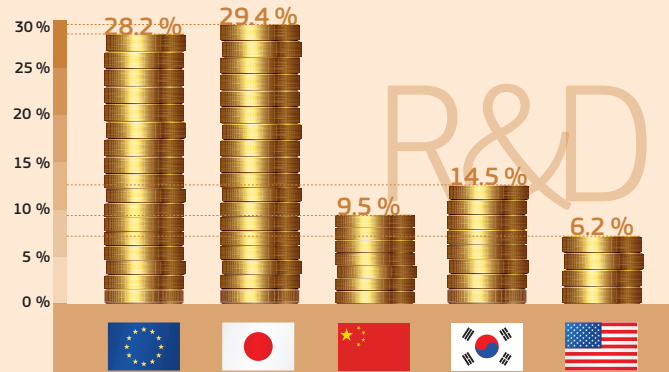
Europe is a leader in

transport innovation

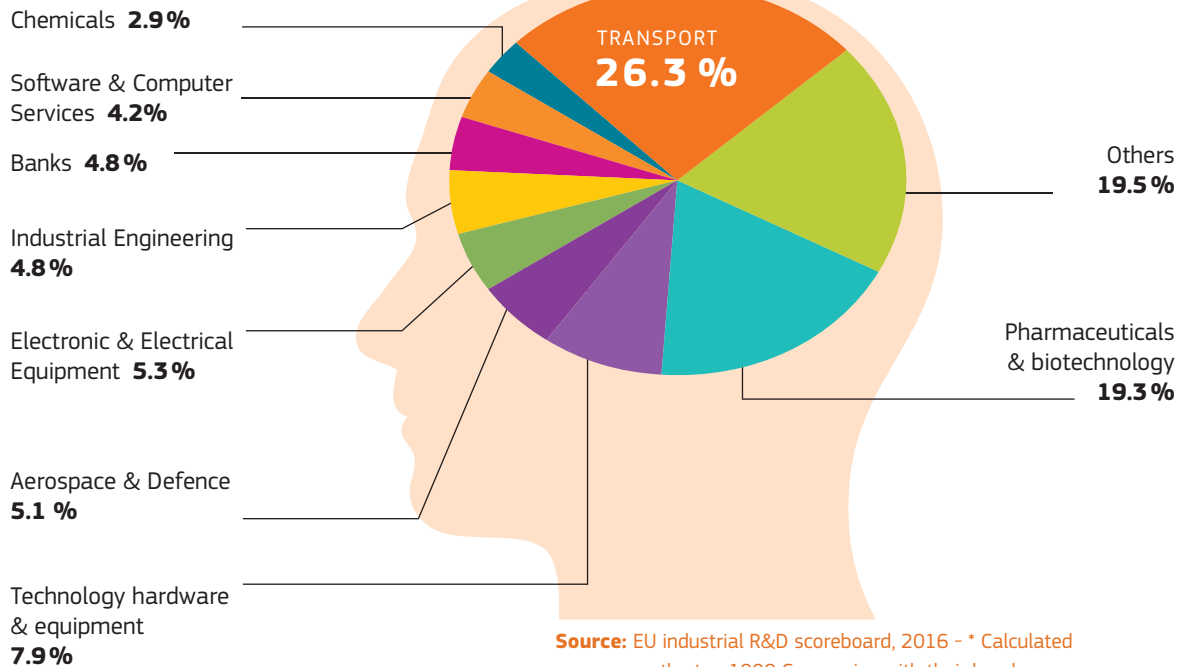
In the EU, about **one fourth** of the **total business R&D expenditure*** is transport related.

Private R&D expenditure in transport compared to total national expenditure:

Source: EU industrial R&D scoreboard, 2016 - *Calculated on the best 2500 world corporates, of which 165 are transport-related (Automobile and parts, Industrial transportation), and 43 in the EU



Share of total R&D expenditure by sector:

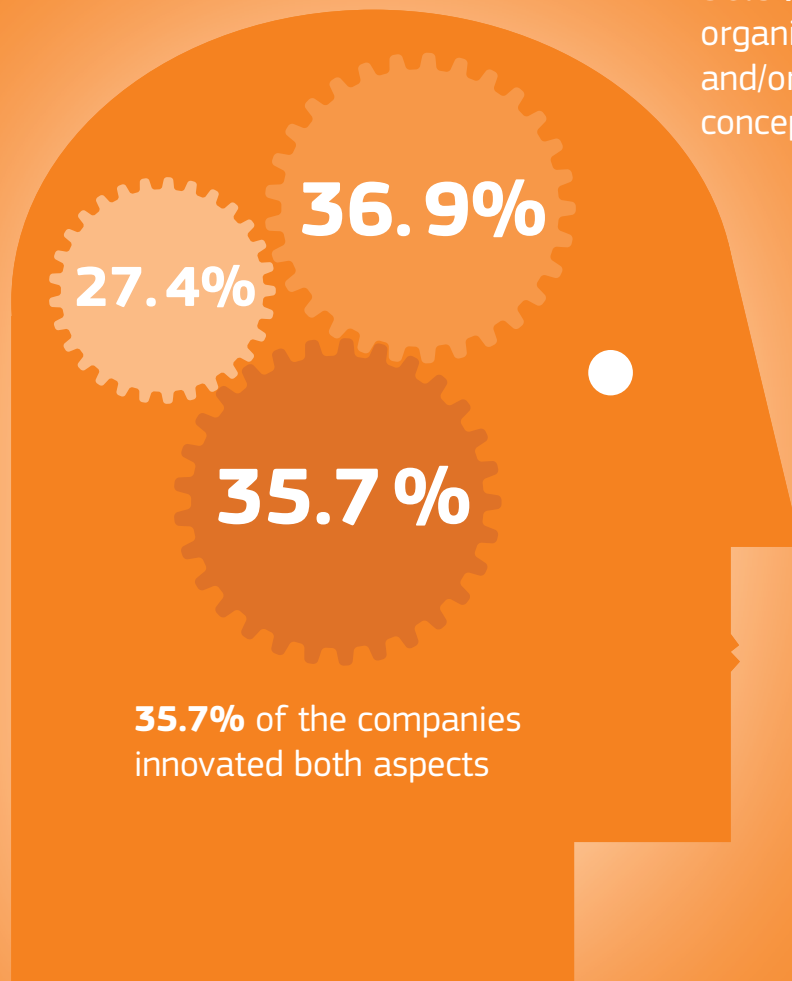


Source: EU industrial R&D scoreboard, 2016 - * Calculated on the top 1000 Companies with their headquarters in the EU, of which 57 are transport related

In 2014, **32.9%** of European transport companies were considered **innovative enterprises**, divided as follow:

27.4% introduced new or significantly improved products and/or production processes

36.9% introduced new organisational methods and/or new marketing concepts and strategies

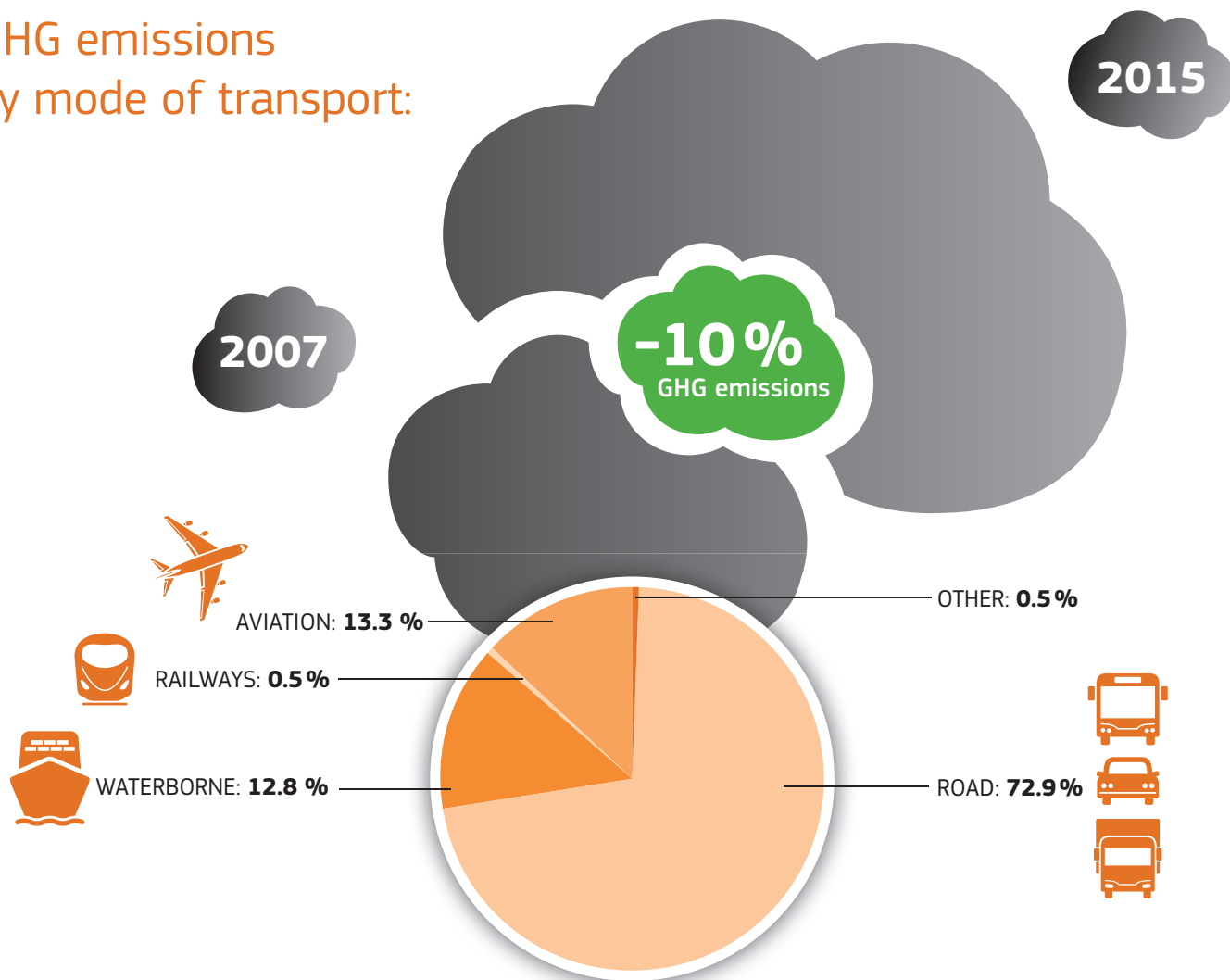


35.7% of the companies innovated both aspects

Transport GHG emissions*

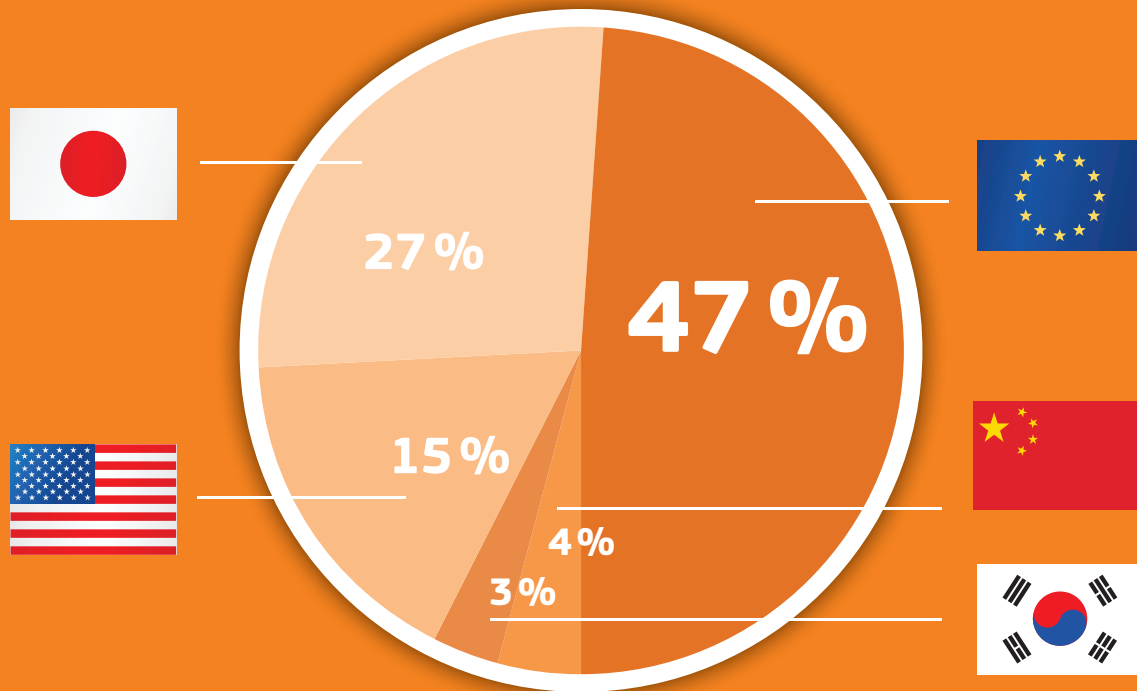
in 2015 were **10% lower** than in 2007.

GHG emissions
by mode of transport:



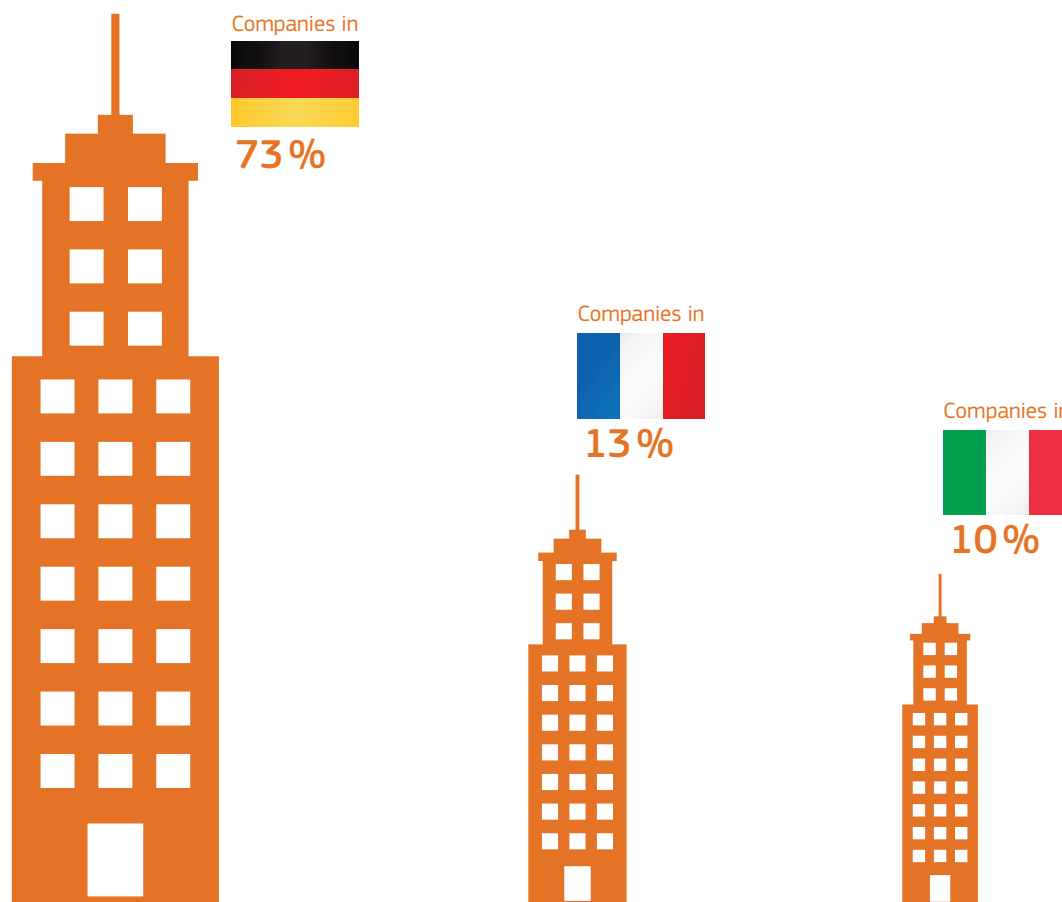
Source: European Environment Agency (EEA), June 2017- * including international maritime bunkers

European transport companies* are leading innovators! In 2016 they invested more than **50 bn € in industrial R&D, equal to 47% of the world share***, well ahead of Japanese and American companies.



Source: EU industrial R&D scoreboard, 2016 - *Calculated on the best 2500 world corporates, of which 165 are transport-related (Automobile and parts, Industrial transportation), and 43 in the EU

Automotive Corporate R&D investments are dominated by just a few companies. In the EU, 10 companies* account for **87% of R&D investment in transport.**



Source: EU industrial R&D Investment Scoreboard, 2016 - * Calculated on the top 1000 Companies with their headquarters in the EU, of which 57 are transport related

Investing and expanding: Europe is a world leader in transport

Germany, Spain and the UK are among the **10 top car producers** in the world, with about **9.8 M** cars produced in 2016.

