

Sustainable mobility @ BOSCH

Engineering Center Budapest

Status today and outlook CO₂ neutrality worldwide

Market situation



**1,4 billion
vehicles
worldwide**



**70-80 million
yearly vehicle
production**



**Minimum 17-20 years to
replace all vehicles
(if all carmakers would
switch to only electric
vehicles from today on)**



**Realistic
transformation
period:
30-50 years**

Goals of Bosch as technology company

Technology transformation timeline

SHORT-TERM

Bosch advocates for the modern internal combustion engine as a powertrain for the transition period – to concentrate on its further technological development.

MID-TERM

Renewable and synthetic fuels could be a solution to reduce greenhouse gas emissions. This would save 2.8 billion tons of CO₂ across Europe by 2050.

LONG-TERM

The focus of future mobility in Europe will be electric:

- ▶ Electric battery vehicles
- ▶ Fuel cell

Bosch is open to all future powertrain technologies and is committed to achieve zero-emission driving, continuously develops internal combustion engines and intends to be a market leader in electromobility.

Transformation of the mobility sector has to balance ecological, economic, social principles - for an efficient transformation we need different technologies.

Electrification @ Engineering Center Budapest

Vision 2030 – We will enhance electromobility from Hungary

50% of Bosch electrification development is located in Hungary

In 2030 10% of all the new EV and PHEV vehicles in the world are equipped with electrical powertrain components developed in Hungary.

