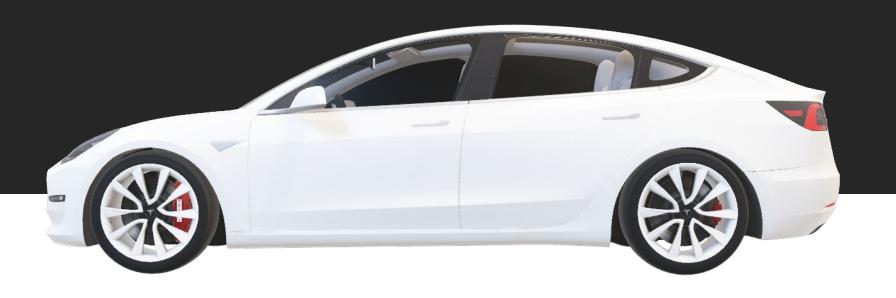
Does the electric car help to counteract climate change?

TESLA MODEL 3



Modern Design



Modern Design

Advanced infotainment system



Modern Design

Advanced infotainment system

Self-driving technology





140 mph



272 mi



\$40,240

"The future is electric.

Hydrogen is a waste of time."

~ Elon Musk



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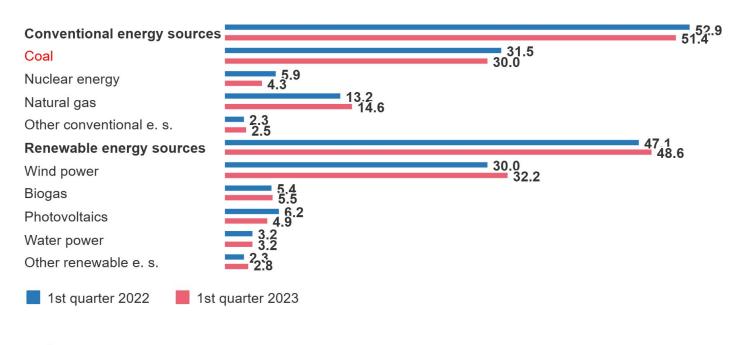
Structure

- Energy production
- Comparing conventional and electric cars
- Government policy and support measures
- Future of electric cars

Energy production

Electricity fed in from conventional and renewable energy resources

in percent



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Energy production



Fig. 3

Comparison (range)

Conventional car	Electric car
621+ mi	149 – 484 mi

Comparison (components)

Conventional car	Electric car
Combustion engine	Electric motor
Tank	Battery
Filler pipe	Charging port

Comparison (environmental impact)

- CO2 emissions during production
- Battery is made of Lithium
- Lithium is mined in South America
- Groundwater is pumped up
- Turns the landscape into a desert

Comparison (environmental impact)

- Conventional energy sources
- Transport
- Oil spills

Government

2030	2040
Denmark	Great Britain
Sweden	France
Iceland	
Netherlands	
India	

Outlook

- Less noise in the cities
- Technical development
- Charging grid expansion
- Environmentally friendly lithium mining

Does the electric car help to counteract climate change?