

That means working to invent and augment security measures capable of keeping the technology in check.

#### REFERENCES

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#### **ARE ELECTRIC VEHICLES GREEN?**

Nowadays, there is a strong growth in the number and sales of electric vehicles. The largest automotive companies in the world have entered the green race to switch from internal combustion engines to electric vehicles. The purpose of this work is to analyze statistical data, to study the impact of electric vehicles on the environment, to draw a conclusion about the benefits and harms of electric vehicles for the environment.

The best-selling electric car was the Tesla Model 3, with 145,864 units sold in 2018. That is why this model was chosen as an object by a group of German scientists from the IFO Institute for Economic Research (Munich, Germany). Comparing the production and operation processes of the Tesla 3 and the diesel Mercedes-Benz C220, the authors of the study concluded that electric vehicles in the current situation do not help to reduce CO<sub>2</sub> emissions.

However, now fossil fuel power plants account for 67% of the total energy mix, that is, two-thirds. To improve the environmental situation in the world, this ratio needs to be changed, including with the help of the “green square” concept presented by Rosatom in 2017. It implies the need for the accelerated development of hydropower, wind and solar energy, and nuclear energy. These four technologies use technologies where thermal emissions and carbon dioxide generation are zero. Summing up, we can conclude: in our time, electric vehicles are not very environmentally friendly cars with internal combustion engines. For a greater environmental impact of electric vehicles, it is worth improving the energy infrastructure in a “green” way, reducing CO<sub>2</sub> emissions from the production of batteries, power plants and cars that will run on renewable fuels, and gradually moving away from fossil fuels.