



Impact Report

20
23



Our mission is to accelerate the world's transition to sustainable energy.

To accomplish our mission, we need to design products that are far superior to their fossil fuel alternatives in every way, source and manufacture them as sustainably as possible and sell as many of them as we can.

We believe the best way to do this is by offering an ecosystem of products that comprehensively addresses our world's clean energy and transportation needs.



To learn more, view our full [2023 Impact Report](#).

Tackling Climate Change

We are dedicated to solving the problems that have a meaningful impact on the emissions from GHG-intensive sectors and segments.

Global Greenhouse Gas (GHG) Emissions by Economic Sector

● Tesla-related sectors

31%

Electricity/Heat

15%

Transportation

19%

Industrial Processes

15%

Agriculture, Land Use Change and Forestry

6%

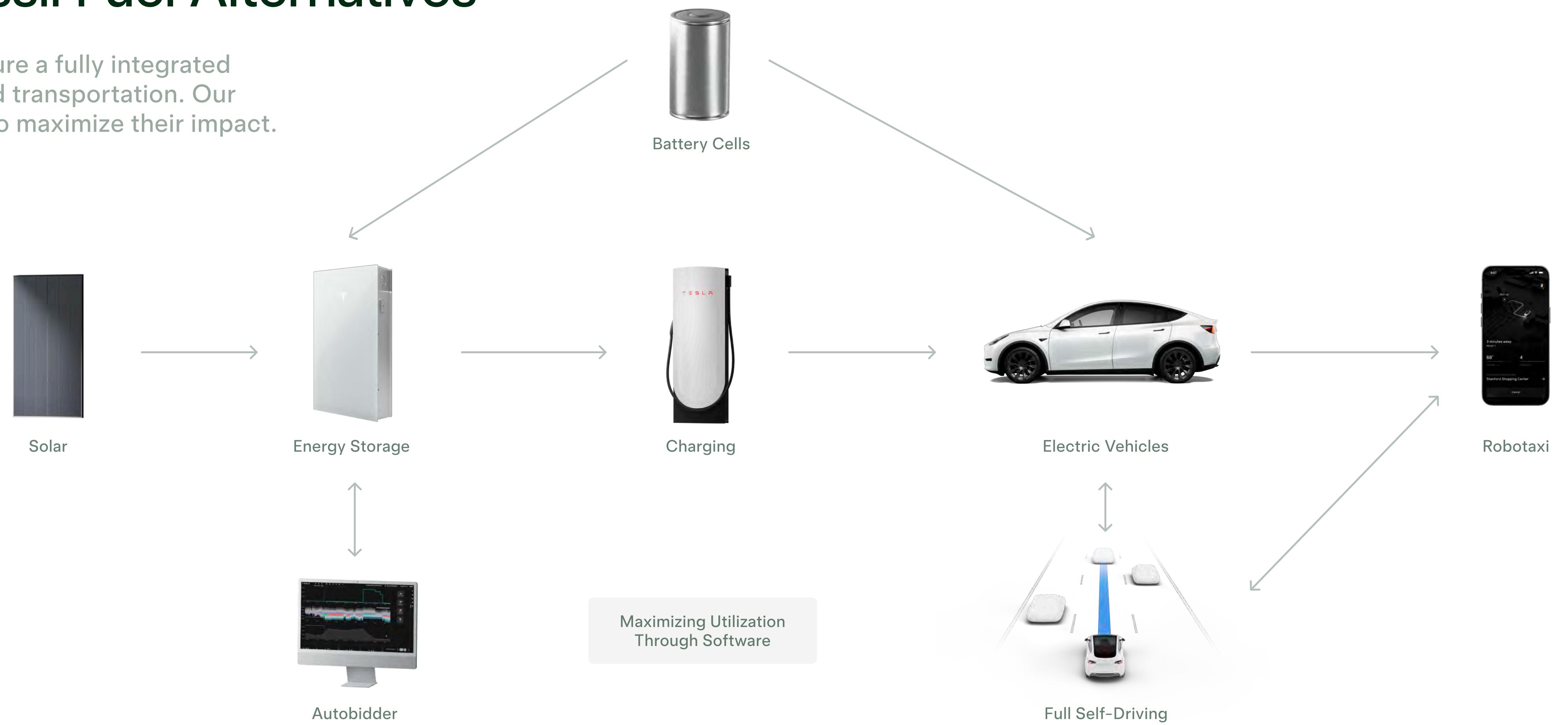
Building

13%

Other

We Make Products That Displace Fossil Fuel Alternatives

We design and manufacture a fully integrated ecosystem for energy and transportation. Our products work together to maximize their impact.



No Pollution in Cities

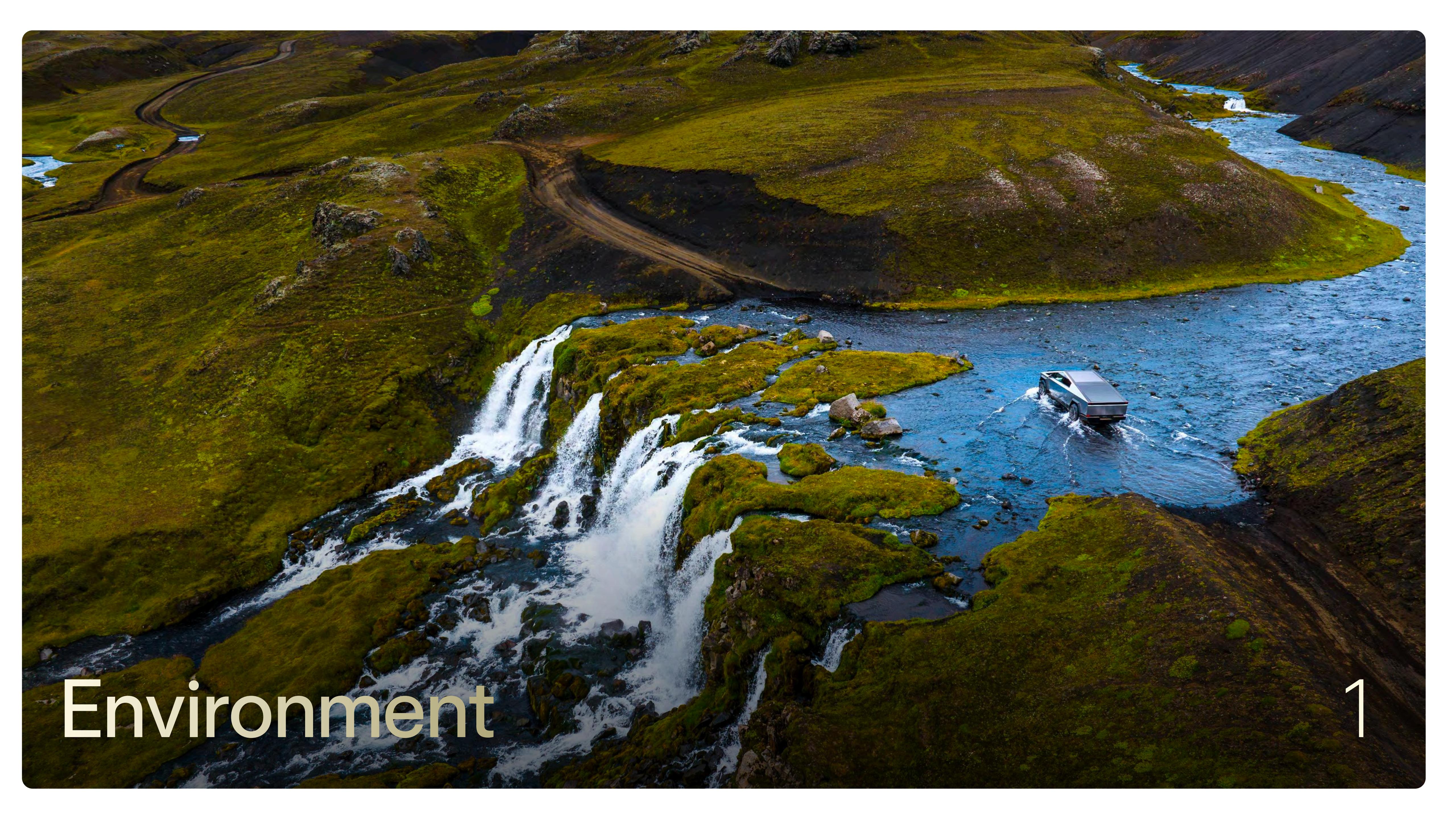
Pollution from burning fossil fuels leads to eight million premature deaths globally each year. That accounts for one-in-five premature deaths worldwide.

Our products are not just about the future of our planet, but also about addressing preventable deaths today. This is a major advantage of zero-emission products that is often forgotten.

20M

In 2023, our customers avoided releasing over **20 million metric tons of CO₂e** into the atmosphere by using our products.





Environment



Minimizing Our Environmental Footprint

Unlike ICE vehicles, it is possible to fully decarbonize the manufacturing and lifetime use of EVs.

Electric vehicles and sustainable energy products have a far better environmental impact than fossil fuel alternatives. This includes the full lifecycle: raw material mining, manufacturing, product use and disposal.



To learn more, view the Environment section of our full [2023 Impact Report](#).

Tesla Strives to Achieve Net-Zero GHG Emissions

An ambitious stance on GHG emissions reduction is necessary to continue moving the world toward a sustainable energy economy. While we have made progress in reducing our emissions intensity in the near term and made meaningful progress on building a plan to achieve net-zero emissions as soon as possible, there remains work to do to finalize this plan.

Our goal is to set a target that is both meaningful and thoughtful. When we talk about our net-zero ambitions, this includes the full product lifecycle from mining and production through use and end-of-life recycling.

In addition, we aim to transition our operational electricity load to 100% renewables well before we achieve our net-zero emissions goal and to continue matching our Supercharger electricity load annually with renewable electricity.



Each Tesla on the Road Avoids About 51 Tons of CO₂e

After 17 years of driving, a Tesla vehicle will avoid approximately 51 metric tons of CO₂e. Charging EVs becomes greener over time as electricity generation becomes cleaner. By comparison, the carbon impact of ICE vehicles remains the same every year of use.

This year, we updated our avoided emissions calculation methodology using a global model with more primary GHG emissions data collected from our suppliers.

EV Emissions Avoided Over Time

