

THE IMPACT OF **TESLA** TECHNOLOGY

Introduced by

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mission



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Autopilot Software

Autopilot is a suite drivers assistance software features that comes standard with the purchase of a new car or can be purchased after delivery and brings new functionality to your TESLA that makes driving safer and less stressful.



See

8 Panoramic camera's 12 ultra-sounds sensors and radar gather data about the car's environment. Tesla chose not to use expensive LIDAR technology to reach autonomy. Will this bet prove a good choice ?



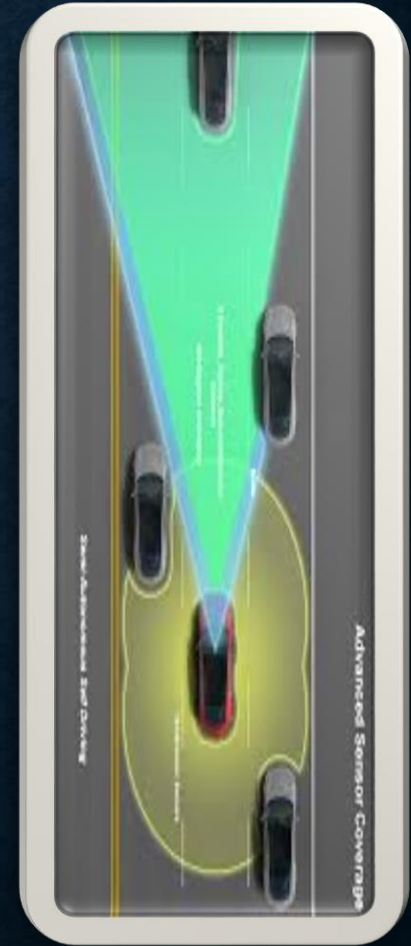
Understand

Traffic-Aware Cruise Control - Tesla Vision, the software behind Autopilot, use artificial intelligence to understand it's environment detecting lanes, traffic, flows, fixed and moving objects (pedestrians, cars, etc.) traffic lights and road signs.



Act

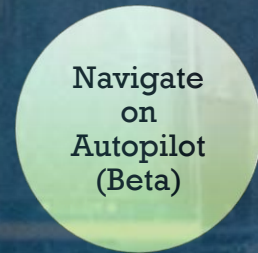
Autosteer: Assist in steering within a clearly marked lane and uses traffic-aware cruise control. Once the environment is understood the artificial intelligence takes a driving decision like a regular driver would .



Actively guides your car from a highway's on-ramp to off-ramp, Including suggesting lane changes, navigating interchanges, automatically engaging the turn signal and taking the correct exit.

Assist in moving to an adjacent lane on the highway when Autosteer in engage.

Helps automatically parallel or perpendicular park your car, with a single touch.



Moves your car in and out of a tight space using the mobile app or ok

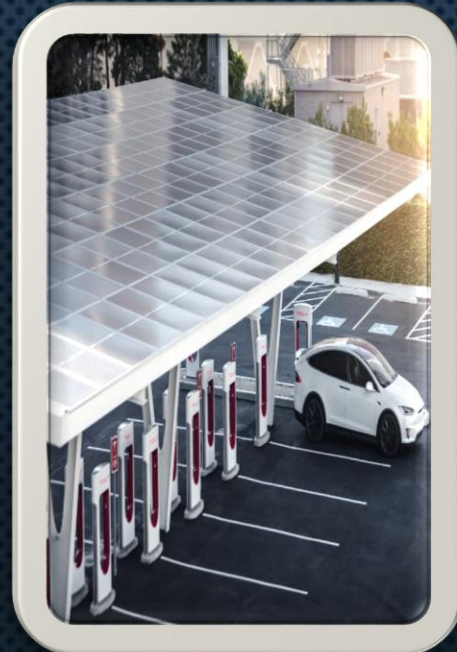
Autosteers on city streets

Your car will navigate more complex environment and parking spaces, maneuvering around objects as necessary to come find you in a parking lot.

Identifies stop signs, traffic lights and automatically slows your car to a stop on approach, with your active supervision



- ✓ 15,000 Superchargers Worldwide (2020)
- ✓ Mainly on highways and outside of cities
- ✓ Quick charging from 10% to 80% in less than 40 min. **3 Times faster than average.**



- Solar Panel Specs**
- ✓ Wattage 425W
 - ✓ Operating Temperature -40°F up to + 185°F
 - ✓ Inverter Power 3.8kW / 7.6kW
 - ✓ 97.5% Efficiency
 - ✓ **Warranty 25'- years** performance guaranty



TESLA ELECTRIC

COOL AND DESIRABLE

By 2040, analysts now say that 55% of all cars sold on the planet will be electric. Tesla is leading the electric vehicle race because it has more high-powered battery tech — and it takes more risks. For more than a decade, Tesla has been designing battery-powered vehicles from the ground up and using software to make the batteries more efficient. It has scrapped many weighty, traditional luxury features in favour of aerodynamics, taken measures such as ditching multi-gear transmissions in favour of dual motors programmed to send varying power ratios to the front and rear wheel.

Customer Loyalty

With real-time data tracking, Tesla is quickly able to recognize and respond to problems quickly, pushing customer loyalty to the next level.

Driving Experience

By integrating true predictive maintenance into the car, Tesla uses analytics to manage customer issues before they impact satisfaction.

Research & Upgrades

Tesla uses analytics to collect data from its cars for research. This allows IT, engineers and the manufacturing lines to resolve issues and send back fixes with its over-the-air software updates.

Production Cycle

Tesla analyses almost real-time customer usage information that impacts its production change cycle from months/years to weeks.

Innovation

Tesla owners can request new functions and gain them in weeks (not years). Tesla also extends their test capability by creating a community of early adopters for new features, rewarding with continued early access.

Product Design

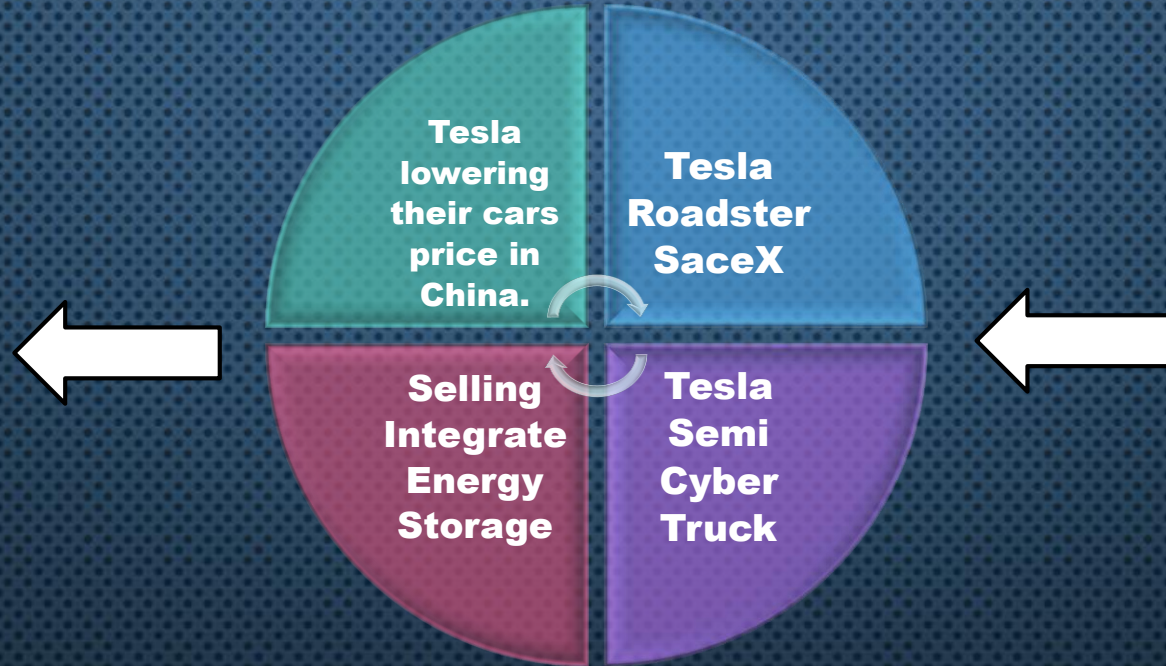
Daily metrics from thousands of users' data provide Tesla with an ability to develop and roll out incremental car and customer experience features at a faster pace.

Maintenance

Analytics enables the Tesla to sense an abnormality and request an analysis. It can also create alerts and recommend company or customer action: such as automated increase of that component, order ahead of failure or automated booking for repair.



THE FUTURE



When Tesla reveled the new Roadster in 2017 – aiming for 2021 lunch date --- Musk said “will be the fastest production car ever made, period.” Tesla claims the four-seat supercar will sprint to 100mph in 4.2 seconds on its way to a top speed of more than 250mph. According to the EV maker, the Roaster will be to travel 620 mile on a charge farther than any EV on the market today.

I THINK
IT IS
POSSIBLE
FOR
ORDINARY
PEOPLE
TO CHOOSE
TO BE
EXTRA-
ORDINARY.
ELON
MUSK



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The image features a dark blue background with a central, semi-transparent wireframe model of a modern sports car. Surrounding this central model are several rectangular frames, each containing different views or components of the car, such as side profiles, front views, and wheel details. These frames are interconnected by a network of thin, glowing lines and small circular nodes, creating a digital or data-driven aesthetic. The overall composition suggests a high-tech or automotive design theme.

THANK YOU !