

HOW TESLA'S ENGINEERING DESIGN PROCESS RELATES TO OUR FUTURE CAREER

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LOCATION UGANDA

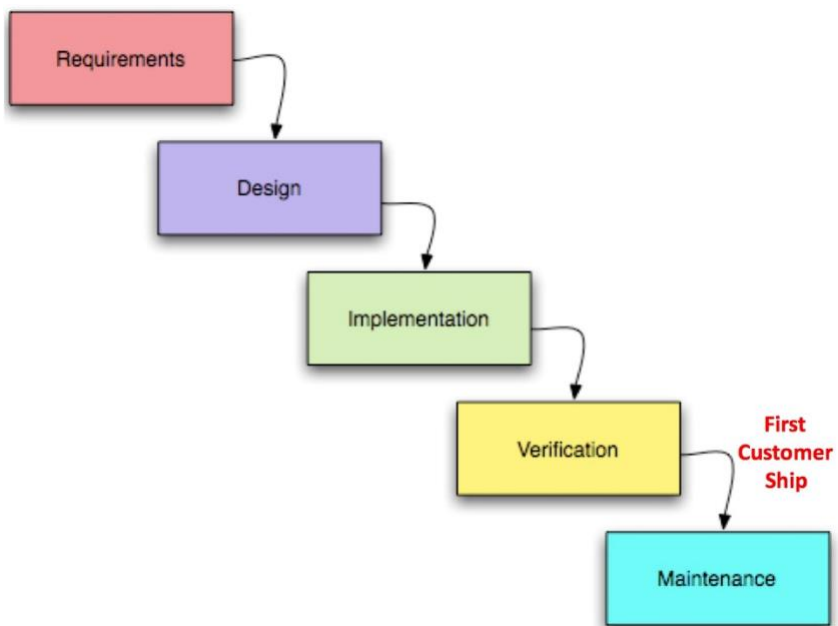
Tesla, Inc. is an American multinational automotive and clean energy designs and manufactures electric vehicles, battery energy storage from home to grid-scale, solar panels and solar roof tiles, and related products and services.



Why we chose TESLA because it has an innovative tech. computational power furthermore, the tech found in its cars has been on the cutting-edge for years. The company's goal is to build a world powered by solar energy, running on batteries and transported by electric vehicles.

Their design process thinking involves five steps- empathies, define, ideate, prototype and test. The owner of this company has its own design process which is, making the requirement's less dumb; delete the part or process, simplify and optimize the

design; accelerate cycle time; and automate.



Accordingly, the tesla company uses the property of gear ratio to make cars move. They are able to make machines that rotate and stretch, which add spare parts to the tesla cars using the math knowledge of angles. This company uses the knowledge of chemistry, a branch of science to make the nitro gas that make cars move faster when the nitro is turned on. This company uses the knowledge of physics a branch of science to balance the cars

Using the knowledge of the force for example the use of gravitational force to balance the car surface, the use of frictional force to make types for the car. This company uses Nano technology to make different mechanisms. This company uses the technology of biometric devises; these are devise that use specific features to grant access to the use.

However, tesla is facing some challenges which are limited experience in car building, auto industry sales still down, better batteries needed to exchange driving range, still needs a ton of cash, must decide how big it wants to be, management must smoothly integrated, CEO ELON MUSK may be distracted by other ventures, possible tough negotiations with union stiff completion from other car makers, contamination at NUMMI site. Tesla managed to through their design process. Tesla founders are Martin Eberhard and Marc Tarpenning founded Tesla in 2003. It was named after an inventor and electrical engineer Nikola Tesla. Ian Wright joined a short time later. In February 2004, Elon Musk led the series A funding round by joining the board as chairman and later as CEO. Tesla has collaborated with some famous names. The model S is Tesla's highest rated car ever.

Tesla models will have fully autonomous driving capabilities. Their vision of the world is to know how the universe works. Tesla begun production of its first car model, the roadster sports car, in 2009. This was followed by the MODEL S in Sedan in 2012, the MODEL X SUV in 2015, the MODEL 3 sedan [the all-time best selling plug-in electric car worldwide and in June 2021 became the first electric car to sell 1 million units globally] in 2017 and the most recent, MODEL Y crossover in 2020.

SALTER

Participation in vex robotics has prepared me for my future carrier which is to become a mechanical engineer in a way that it has encouraged me never to give up and have a creative mind when building machines.

LEONARD

Participation in vex robotics has prepared me for my future carrier which is to become a pilot in a way that it has encouraged me never give up and have a creative mind when flying planes.

CIARA

Participation in vex robotics has prepared me for my future carrier which is to become an astronaut. The goal is to become a person who is trained, equipped, and deployed by a human spaceflight program to serve as a commander or crew member aboard a spacecraft.



ELON REEVE MUSK

Creator of the tesla



www.google.com www.wikipedia.com