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Tesla

Tesla was founded in 2003, by a group of engineers who aim at vehicles with electric system, taking into account better and quicker service. Today Tesla is known for its vehicles that have both electrical systems as well as scalable clean energy generation accompanied by storage products. It is significant to note that Tesla is undergoing a continuous revolution in order to make up the mark in industry. Tesla has been shifting and presenting a versatile portfolio with a mesh of priorities with every passing year. The latest contribution of Tesla to the market can be found by analyzing Model Y that would be delivered by Fall 2020, taking into account that it has confident tooling with about 70% of the features that are similar to Model 3.

**Tesla impacting Economy and business perspectives**

Tesla is contributing to the economy at a greater rate. It would not be wrong to say that Tesla is the first and the most successful car startup that is playing a major role in all the paradigms of markets, such as hiring, paying and innovations. Tesla is not only shaping the perspective toward the economy but it is also laying down the foundation of pattern that can help social entrepreneurs to initiate world-changing products. It would be accurate to say that the existing business model of Tesla is based on driving direct sales to the customers by following a proper channel of company-owned stores. (Winkler, et, al. 2018).

The same stance of boosting economy can be observed in terms of business perspectives. One of the major business perspectives is "building better electric vehicles". Tesla S model was the first electric sedan and it is known for the distinction of being the bestselling plug within the realms of electric cars in the year 2015 and 2016. It has contributed to economy by enormous figures due to its remarkable skills. The upcoming model 3 is assumed to empower the economic paradigms that are associated with Tesla, racking up to hundreds and thousands of the precoders that are well suited for competitions. The supercharger network of the cars is more than 5000 of the fastest charging stations worldwide. It is interesting to note that the economic boost up is not facilitated by the electric cars only, in fact, EVs in terms of charging times, sales and the driving range also play an equally important role. Other economic paradigms that are facilitated by Tesla include gas-guzzling counterparts. (Jørgensen, et, al. 2018, pp.153-168).

Increasing vehicle economy is another perspective that has contributed to boosting up the economy, taking into account that about 94% of the collisions of vehicles is actually due to human errors resulting in more than thousand deaths each year. There is no company other than Tesla that has removed the ratio of human error in the road aside accidents. In accordance with the National Highway Transportation Safety Administration, Tesla's Autopilot is an aspect that has positioned company on the top of vehicles markets. It is interesting that the company is already setting ¾ level software in any of the fleets, with plans to reach full autonomy soon. Ridesharing is also one of the business paradigms that have contributed to the number of revolutions. It is significant to note that today Tesla is also having a strong impact on ridesharing much like Lyft and Uber. (Winkler, et, al. 2018).

Much like other paradigms of business, use of solar energy has also added to the number of revolutions. Tesla is bringing residential energy into practice by the acquisition of Solar City last year. In accordance with the information collected from US department of energy, solar power is one of the most abundant sources of energy on the Erath and there is a great stance of use of solar energy in business, taking into account that the demand of solar energy in the United States has never been higher. With the elevation of utilization of solar products, the cost of the electric energy is dropping; paving the way for technology to become more efficient, adhering to few hurdles that can bring issues to the mainstream of technology. Tesla has increased the structure by providing an entire solar roof, adding to the economy of the company. (Akakpo, et al. 2019, pp. 57-69).

Parallel to solar tradition, certain initiatives are taken that have improved the overall working and the approach of the company, taking into account the cutting edge of powerwall and powerpack energy store that is making the solar tiles more worthy. It is significant to note that the Powerwall system has the potential to store massive energy equivalent to 14kWh lithium-ion battery pack that can be mounted anywhere in the desired locality or place. It is one of the stances that can empower high rates of power during the day time or a greater power outage. Powerwall is designed for places like a residential home, but it has facilitated the commercial vendors and utilities as well. Each of the powerpack comprises of 16 betterypods that are then combined with a solar tile. Tesla has already built an 80 MWh Powerpack station with a number of other future prospects in terms of both economy and technology.

It is significant to note that besides making money, the company is making a massive contribution to the economy by creating opportunities for jobs both at home and abroad. It is interesting that Tesla's Gigafcatory has employed hundreds and thousands of workers side by side the company has announced that it would be adding about 550 more jobs to the actual number of job allocations by initiating the production of Model 3 motors. Tesla has more than 14,000 employees worldwide, taking into account that the Nevada project would only be enough to employ 10,000 people that would obviously add to the economy and betterment of the country in the long run. (Winkler, et, al. 2018).

**Future Goals of Tesla and Cleaner**

In accordance with the latest research, it has been highlighted that Tesla's electric vehicles are much anticipated taking into account that hundreds and thousands of people are lining up to grab the latest model. Within July 2017, it was announced that Volvo Cars would have new models that would be electric and hybrid, accompanied by an ending sales of gasoline and diesel cars by 2040. It is asserted that in future, electric cars would have nearly 500,000 preorders a year before the production. Upcoming cars would be more attractive, accessible and affordable to the customers who are driving today. It is significant to note that Tesla is looking ahead to reduce greenhouse gas emission. These scenarios from the International Energy Agency have suggested that global warming should be limited in order to pace with the emerging trends. The estimates of the annual cost of congestion in the United States has highlighted that the overall worth of the electric vehicle will increase by $100 billion. If the ratio of the purchasing of the total number of cars will continue to climb in accordance with the projected pace, there would be a limited chance of global warming taking into account that selling cleaner cars eradicate the risk of challenges of road safety, congestion and stresses equal access to the opportunity or other issues that are related to mobility. (Winkler, et, al. 2018).

It is significant to note that "The Tesla Revolution: Why Big Oil is Losing the Energy War" is more like an initiative that has paved the way for eco-cleaner. The global energy transformation is embodied by Tesla, taking into account that a transition towards renewable energy resources is made. According to Elon Musk, "Since we have to get to a renewable future, it is better to approach as soon as possible". Tesla has incorporated four phases in terms of better future hand that can facilitate public without hampering ecosystem. The first phase is accompanied by the evaluation and undergoing of first large growth for the production of clean energy such as solar and wind. The second phase highlights growth in global energy that adheres more to renewable resources other than fossil fuel. The third phase refers to the passage where clean energy becomes dominant in global energy mix surpassing amount of energy that is generated from coal, oil or gas. The last, or fourth phase refers to endpoint of the transformation of the global energy system, taking into account that virtually all energy that is generated comes from renewable resources that are complemented with nuclear. (Akakpo, et al. 2019, pp. 57-69).

**Tesco Industry and Dominancy in Electric car market**

It is evident that electric market was not much impressing and given attention in the early times, however, the advances in EV market has brought a great revolution taking into account that a major contribution is made by Tesco. The model S was more like a serious game changer in the EV market, stressing that Tesla introduced a vehicle that looked equally appealing much like its performance, accompanied by a range of sporting battery with very low degradation. It is significant to note that Tesla is enjoying a leaderboard in the market. The dominance of the product can be found by analyzing that Model S has been termed as one of the top-selling stances in the United States with 14,310 shipments. The stance of better market and productivity can be revolutionized by highlighting that the Model 3 has shipped almost 56,000 units in this year, breaking the records that are made by Model S. In accordance with report that was retweeted by CEO of Tesla Elon Musk, it has been highlighted that dominance of Tesco will continue to prosper taking into account that Tesla has a backlog of orders that are meant for Model 3 totaling from hundreds to thousands. It is asserted that although there are certain good wills associated with Tesla, still, there are certain production woes and quality issues with Model 3. Another transition infers, despite all these gaps, there is no possibility that could sway the number of customers. It would not be wrong to say that there are a number of assumptions that are formulated in terms of dominance and failure of Tesco, taking into account that it is based on a sheer hunch. Any of the possibility could be admitted taking into account the transitions of time and measure of innovations that are brought into practice by both Tesla and other emerging automobile industries. (Jørgensen, et, al. 2018, pp.153-168).

**Tesla and SpaceX**

Elon Mosk who is continuously struggling to create synergy between two unrelated companies, Tesla and SpaceX, inferring that the CEO might have found any way out that could help both the companies by amalgamating efforts to create materials. Although it seems irrelevant, still, it is evident that the two teams are so interlinked that Tesla recruits are re-termed as SpaceX/ Tesla Materials Engineering Organization. The CEO must have formulated a strategy that could help both the companies to reconcile their efforts and create material that could be utilized in the departments, electric vehicles as well as renewable energy products on the Earth. In accordance with the information collected from Tesla, certain software is developed that comprises of both actual data and information that are proprietary and unique to both the companies. Musk is often concerned with the difficulties that are associated with the two companies side by side he acknowledges certain advantages of staying active at two industries. SpaceX is reducing the cost of rockets and side by side Tesla is efficient at producing high-quality vehicles with comparatively low prices. It is important to note that Tesla is also benefitted from the expertise of SpaceX in terms of high-tech manufacturing techniques such as stir welding that is defined as a technique that is utilized by SpaceX in order to amalgamate large sheets of metal similar to the one that is used for the aluminum tank for the rockets acting as a code of massive benefit. (Jørgensen, et, al. 2018, pp.153-168).

It is significant to note that Tesla Model S and X are actually made of aluminum, paving the way for strong light, side by side it suffers from malleability and it is much expensive. In the context of Model 3, Tesla uses less aluminum and more steel is used. In a nutshell., the idea of CEO to run two opposite and yet similar companies are highly economic and part of one of the strategic plans taking into account that it has brought a great revolution in the market by using the same material in both the industries. Another example could be of, Aoace-grade superalloy Inconel that is used in both Tesla and SpaceX. In Tesla, the automaker uses Inconel for the main pack contractor accompanied by "Ludicrous upgraded" battery packs while in SpaceX the same material is used for the manufacturing of SuperDraco engine. It is assumed that the technology markets are still analyzing if there is any future collaboration of the two industries in terms of producers and services.

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