

HOW DOES ELECTRIC VEHICLES HELP AVERAGE PERSON IN

ICELAND?

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Figure 3: Electric Car in Iceland

<http://www.carsuk.net/electric-cars-now-vat-free-in-iceland/>



Results, Analysis and Conclusion

After conducting my interview with people in Iceland, the findings are presented below.

- : Electric Vehicle isn't widely used in Iceland, its only used in few cities like Reykjavik and Akuyeri and EV is being recently implemented and slowly becoming a trendsetter.
- : Not many Charging Stations in Iceland and need to charge more times and can be charged at home
- : Being newly implemented and it is durable due to usage of renewable energy
- : Not many people use EV, some use hybrid vehicles
- : Expensive
- : Used for short distances and average speed is lower than gasoline vehicles
- : People are impressed with less noise pollution
- : Lot of people are impressed with EV due to environmental benefit but some people think they don't need EV due to the low population in Iceland

One of the limitation in this research, was that I didn't get a chance to meet people in Electric Vehicle charging stations and some experts who are involved in the design of electric vehicle. This would have helped to find out more from the perspective of people, who own the vehicle and have much better knowledge on EV. And gather information what functions sets EV apart from gasoline Vehicles.

Also very few people interviewed own EV which suggests that not many people find it helpful and I haven't seen much of Electric Vehicles in action in Iceland nor in charging stations. As there are people who aren't considering using or buying EV, this suggests that people are yet to understand fully the benefit of EV. Iceland government started encouraging EV due to its renewable energy usage and is continuing to do so. People in Iceland are finding few disadvantages in Electric Vehicles which is the reason why they prefer gasoline vehicles to be helpful. Some disadvantages are it needs to be charged frequently and can only travel few miles. Some Icelanders were impressed with the implementation of EV, because it has less environmental impact. To conclude, people may start finding Electric Vehicles helpful over gasoline vehicles if these disadvantages are outweighed. Therefore we can only see that the advantage of implementing EV is that it can help average Icelander by keeping Iceland low in pollution and clean atmosphere.

References

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Abstract

Iceland is a country that depends on renewable resources such as geothermal and hydroelectric power and recently there have been implementing electric vehicles in some towns. The usage of hydroelectric and geothermal power makes it durable to implement the usage of the vehicles.

This paper discusses on the advantages and disadvantages Iceland commuters find of implementing electric vehicles in Iceland and how do the commuters in Icelanders find this idea? Thus the purpose of this research is to investigate on how electric vehicles help average person in Iceland.

The methodology of ethnography where I interviewed lot of average Icelanders to get their view on Electric Vehicles and I have interviewed few professors from University of Iceland. The major finding from this research was that Icelanders have recently started implementing the usage of EV and are continuing to. With this we can see and conclude that Icelanders may find it useful to use EV and therefore we can see that it may Icelanders in a couple of ways.

Methodology

People from three different categories are interviewed. First category belongs to the people who work in Hostel and the people whom are found in or around public places. This belongs to the category of average person. My plan was to inquire around 10 people who belong to this category.

Also in the plan was to visit the EV battery recharging stations and interview commuters who come there to charge their EV vehicles.

Regarding a visit to an expert, the plan was to consult Professor Carlson and Professor Stephenson from University of Iceland after reading their articles on Electric Vehicle and knowing their interests in this area.

The following are the questions used inquire on average person.

- : Do you see any advertisements regarding Electric Vehicle?
- : Have you seen Electric Vehicles around?
- : Do you have one and if not, what are your thoughts about buying it?
- : Are EV's commonly used and better than Gasoline Vehicles?
- : How much is the cost of buying it?
- : Your overall impression?

Below are the questions I am going to use to inquire to people in electric vehicle charging stations.

- : How frequently do you need to charge it?
- : Do you see any advertisements regarding Electric Vehicle?
- : Do you have one and if not, what are your thoughts about buying it?
- : Are EV's commonly used and better than Gasoline Vehicles?
- : How much is the cost of buying it?
- : Your overall impression?
- : How many charging stations do you think exist in the city and is it easier to find them?
- : How long does it take to charge the Electric Vehicles?

Below are the following questions I am going to ask to the professors.

- : Do you see any advertisements about EV around? Televisions or radio
- : Have you seen EV around?
- : Does EV cost less compared to gasoline vehicles?
- : In what ways can the EV be helpful/what makes it reliable and useful to average Icelanders? (List 2-3 factors/ways)
- : In what way does Iceland's economy help in producing/constructing EV? (List 2-3 methods)
- : Your overall impression and do you own one or planning to buy one?

INTRODUCTION

We are in the boom of technological revolution. From the construction of Planes by Wright Brothers to the construction of Telephone by Graham Bell, technology has been evolving over time. Karl Benz, is the one who invented the first automobile and from here many types of advanced vehicles have been developed over time and are continuing to be. However as some of us might be aware of, usage of vehicles is causing emissions of various waste products such as Carbon Dioxide and Carbon Monoxide. These emissions are responsible for global warming and pollution. However, during recent development we might be aware of the usage of Electric Vehicles to reduce these emissions. Interest in the usage of Electric Vehicles as transportation infrastructure is growing high due to the fear of peak oil crisis and due to the environmental impact of petroleum based vehicles. Electrical Vehicles use various resources that generate electricity for the power and battery or solar panels are in converting fuel to electricity.



Figure 1: Electric Vehicle Charging Station



Figure 3: Electric Car in Iceland

<http://icelandreview.com/news/2018/01/05/sale-electric-cars-nearly-doubled-2017>