

Malta's Electric Mobility

Good Practices

The Maltese economy features the transport sector as one of the main pillars of its services industry. The Government's position to reduce the atmospheric pollution and to have a cleaner environment is more than a declaration on paper. The Government is adopting a policy as part of the introduction of a sustainable transportation system.

During the last thirty years, the Maltese roads have experienced an exponential increase in cars. This has led to more traffic on our roads and to congestion. Subsequently, the consumption of the fractions of crude oil such as diesel and petrol, is still on the increase.

In this light, the Government is planning to introduce renewable fuels so as to sustain an economically and more environmentally-friendly mode of transport. The Ministry for Transport and Infrastructure has committed itself to implement an Electro-mobility infrastructure as one of the solutions in mitigating the greenhouse effect and the 2020 Energy Targets.

It is expected that electric mobility in the Maltese islands will have various advantages. Electro mobility should reduce traffic emissions while improve grid loads, urban planning and road communications.



A car which makes part of the fleet while charging in one of the charging pillars which was funded as part of the DemoEV project

DemoEV

This initiative consisted of the free leasing of 24 vehicles in aim of demonstrating the cutting edge technology to users. This activity also aimed at deploying the first national Electric Car-Charging Network.

As part of this project one of the main aims was to demonstrate the possibility of producing carbon free transportation through Solar Energy for locations which have a good yield of sunlight.

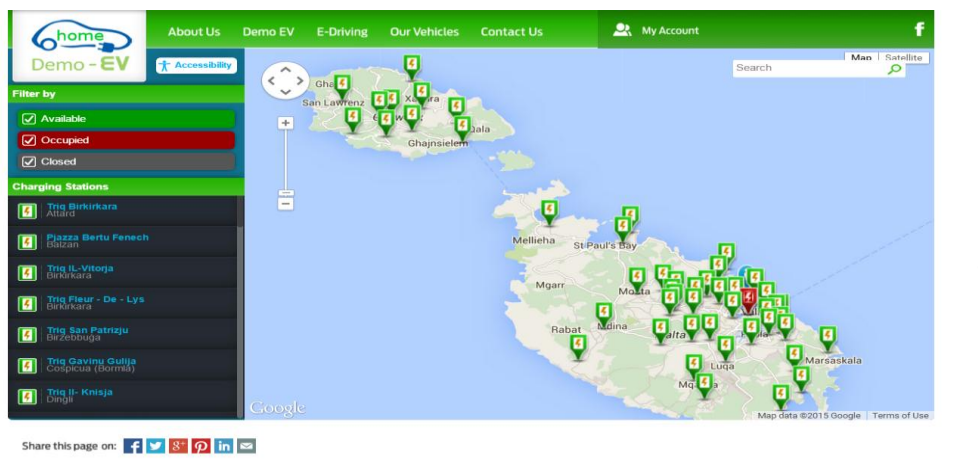
This project offered a change for a number of volunteers, members of the public and the community providing them the opportunity to test the cars for a number of weeks.

This project aimed to understand the efficiency of these vehicles and to analyse the results with respect to the use of these vehicles using cleaner energy.

This project contributed towards the achievement of a carbon neutral road transportation system in the Maltese Islands by demonstrating and disseminating a pilot activity.

Even though this was a pilot action, in the long run the activities will diminish the dependency on fossil fueled engines while improving the air quality levels in the Maltese Islands.

The project will facilitate the attainment of Malta's targets under the Climate Change and Energy Package. Moreover, it will also help aid the Maltese Country to improve the practicing of the National Air Quality Plan.



Charging Stations set up and funded through DemoEV

Parking and Logistics at SmartCity Malta

SmartCity Malta is a technological park based in Kalkara, Malta. This industry township is linked to a global network of industry townships that provide companies numerous business opportunities. As a whole project, SmartCity Malta is designed in such a way as to promote sustainability. One such program is the Low Emission, Fuel Efficient parking initiative where a number of parking spaces are reserved for low emission and fuel efficient vehicles.

One of the benefits of this kind of program is that it educates and informs parkers about low and no emission vehicles, while rewarding those drivers that have a fuel efficient vehicles with premium parking spaces.

The program is being implemented by a private company, and therefore rules and amendments can be decided by the company.

One of the highlights of this program is that people with low emission and fuel efficient vehicles tend to find parking slots easier especially during morning rush hours. Another important highlight is that the problem of car emissions can be reduced by such initiatives as people start opting for low emission vehicles. The low emission fuel efficient parking can serve as a meet up point for people with low emission vehicles that might be aware of the hazards that these emissions can cause to the environment. Users of low emission vehicles, might start opting for lower issuance solutions by opting for car sharing practices.





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A Scheme to spark electric car sales

A government scheme was set up to encourage more people to buy electric cars. This scheme offered 25% rebate of up to €4,000, making the prices of electric cars closer to those of conventional vehicles for the locals.

The national strategy to introduce electric cars in Malta included 31 proposals to promote and incentivise the public to turn electric.

It calls for:

- Charging points around Malta.
- The need of new developments catering for charging points in parking spaces.
- Charging points working with an intelligent network that interacts with the latest technology, such as mobile phones.

This scheme applied to new vehicles that emitted less than 75 grams of carbon dioxide per kilometre and can travel for a minimum of 70 miles between charges.

Green Travel Plan

The Green 'Travel Smart' Initiatives aims to reduce traffic congestion and problems associated with parking.

As part of this initiative the Green Transport Committee at the University of Malta has identified a number of ICT students who have come up with a way of reducing the traffic on our roads through a project that can facilitate car-pooling.

The problems which have affected congestion and parking at the University for a number of years are no secret. This group of ICT students have used their programming skills to come up with an innovative way to solve the problem. This group has created a website system that facilitates the identification of potential car sharing commuters to and from the University.

In this way the students have been introduced to a greener lifestyle. Moreover, they have identified this shortcoming.

The rationale of the project bases on the assumption that if they could fit at least one more person who drives a car, then the traffic congestion on Maltese roads would be reduced significantly.

