

EV CHARGING POINTS ...how to guide



**ARLOESI
GWYNEDD
WLEDIG**

Electric Vehicle (EV) charging is the key to EV driving and journey planning. Electric Vehicles offer a number of benefits over conventional petrol or diesel cars - lower fuel costs, reduced maintenance bills, and zero or discounted car tax, along with significantly reduced environmental impact when driving. Providing EV drivers with charging points could help boost your business and attract new customers.

“ Having the electric charging point here at Hendy was, and is, a great help to our staying visitors, a number of which have electric or hybrid cars. Also for visitors to the area who were able to charge up whilst they went on the Talyllyn railway. ”

ANNE LLOYD-JONES
OWNER - HENDY, TYWYN



Locations of the five EV charging points we installed...



** There are economic benefits for your business when installing Electric Vehicle charging points...*

- * Attracting the EV driver's ££
- * Great eco credentials for your business
- * Inclusion on both holiday & business journey plan routes

* Our Electric Vehicle Charging Point Project...

Arloesi Gwynedd Wledig established an EV charging point network in the Meirionnydd area. Arloesi Gwynedd Wledig selected five diverse local businesses, with good geographical spread, and installed EV charging points for the use of customers and visitors to the businesses / local area. Feedback and data from the EV owners and local businesses was collected during the 12 month pilot.

The aim of the project was to increase businesses' awareness of the potential economic benefit of installing car charging points in Gwynedd, and beyond.

The last four years have seen a remarkable surge in demand for electric vehicles in the UK - new registrations of plug-in cars increased from 3,500 in 2013 to more than 195,000 by the end of January 2019*, so keeping ahead of the curve by providing electric charging points for customers makes very good business sense.

* Statistics from nextgreencar.com, March 2019

Large hotel groups such as Travelodge and Premier Inn are now installing car charging points in their hotels, so it is important for smaller businesses to engage with the opportunity this technology presents for them too...



pilot...learn...share





1. Charging Up...

2. On the Road...

3. The Scenic Route...

- There are three main EV charger types:
 - SLOW** chargers (3kw) which take about 6-8 hours to charge so are best suited to overnight use.
 - FAST** chargers (7-22kw) which can fully recharge some car models in 3-4 hours.
 - RAPID** chargers (43-50kw) providing 80% charge in about 30 minutes.

AGW installed the 'Fast' charging units - providing enough time for the user to go for a meal and spend some time in the local area. The cost of purchase and installation of a single charging unit was in the region of £1,250.

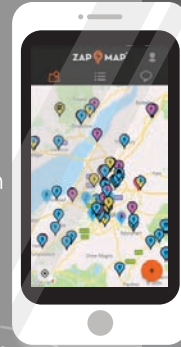
- The power consumed by a single full charge is a maximum of £2.00.



Watch the film about our EV road trip

CONSIDERATIONS FOR INSTALLATION...

- Installing a Fast or Rapid charging point is likely to attract more visitors - however the faster a charger the more expensive to install!
- Get your charger on the map! 'Zap-Map' is a popular app which shows drivers the locations of charging units. The addition of new charging points on the Zap-Map in North Wales will help to raise the area's profile in this sector.
- Businesses need to advertise to customers how long their charging unit takes to fully charge a car. Ideally charging units are located close to businesses or town centres where people can enjoy their time and also contribute to the local economy while their EV is charging.
- Social Media platforms can be used to advertise the location of chargers - plus the spec and compatibility: power rating, connector type, cabling requirements and vehicle specification all need to be detailed so that customers can read up on them in advance of a visit.



- Installing EV charging points gives Gwynedd the opportunity to promote the area as an eco aware green energy location - an ideal destination for the growing number of EV owners.
- The coastal path offers a popular recognised route on which to base an EV charging network - hotels, restaurants, pubs and tourist destinations all have the opportunity to collectively grow this customer base.
- Provision of EV charging points will contribute to economic growth and will help reduce greenhouse gas emissions and air pollution on our roads.

Tip 1: Ensure that charging points are available to use outside of the usual 9-5 business hours. People will expect to be able to charge their car at whatever time they arrive at the charge location.

Tip 2: Depending on certain criteria, you could get a grant for installing workplace charging points with the government's OLEV (Office for Low Emission Vehicles) Workplace Charging Scheme.

for more information on this project please visit

www.arloesigwyneddwledig.cymru
 @ArloesiGwyneddWledig
 @ArloesiGwynedd

Helps keep our AONB outstanding! EV charge points = greener driving = less environmental impact =

