

An Post Electric Vehicles

Familiarisation Training

**an
post**

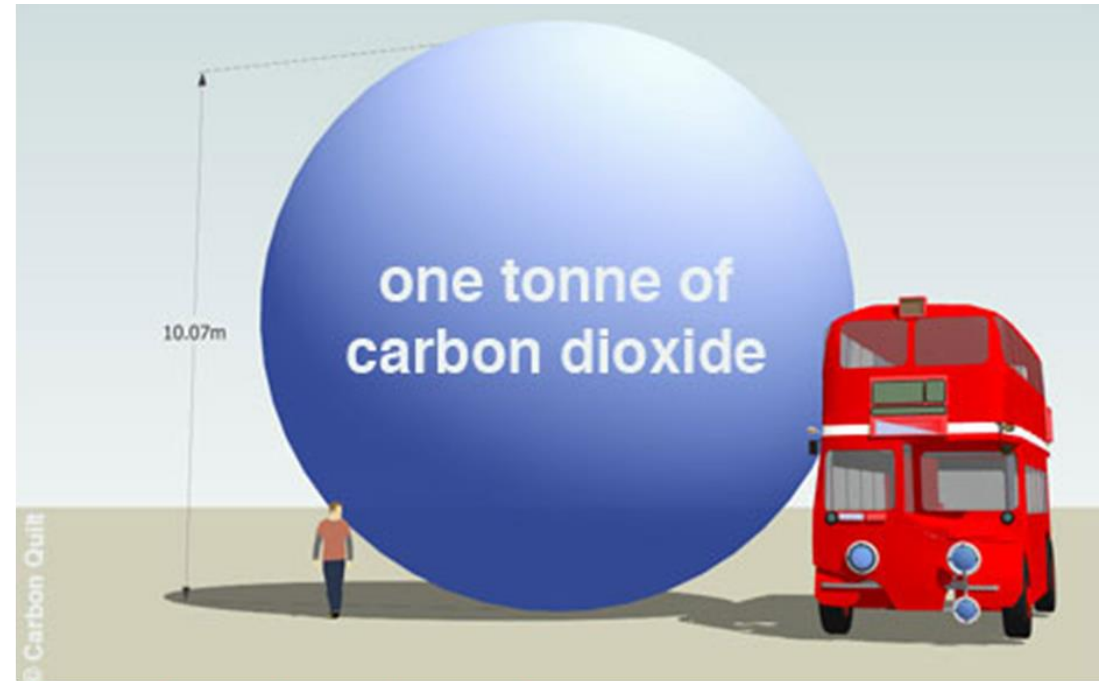
For your world

Aims & Objectives

- Introducing Electric Vehicles
- Familiarisation of e vehicles
- Raise awareness to potential risks with silent vehicles
- Demonstrating the process of charging/ stowing equipment
- Understand and instilling confidence in the use of the different functions of an electric vehicle
- Demonstrate operating an electric vehicle

Fast Facts on Electric Vehicles

- As part of the “Great Electric Drive” initiatives in 2012 and 2014 ecars invited public & business organisations to trial vehicles
- During this trial 200,000 kilometers in 10 vehicles recorded combined fuel cost savings of over €18,000
- This trial on 10 vehicles eliminated over 34 tons of carbon dioxide in tailpipe emissions
- An Post trialed the Kangoo Electric vehicle in 2013
- In 2017 Renault announced the Introduction of the ZE range which is fully electric
- In July 2018 An Post trialed the Kangoo ZE which led to the initial purchase of 10 Kangoo ZE vehicles



<http://carbonquilt.org/about/carbon>

Advantages of Introducing E Vehicles

- Reducing emissions
- Eco driving
- Longer range on Kangoo ZE / LDV
- Fully automatic vehicles
- Exact payload as Diesel Kangoo/ LDV
- Reduces Maintenance costs
- Corporate reputation and brand



Benefits to the driver

- Vehicles are fully automatic
- Full route completed with the range available
- No more stopping to fuel up during before or during your route
- Higher reliability as less problems can arise from electric vehicles
- Option for media devices to eliminate the use of hand held phones while driving

Benefits to An Post

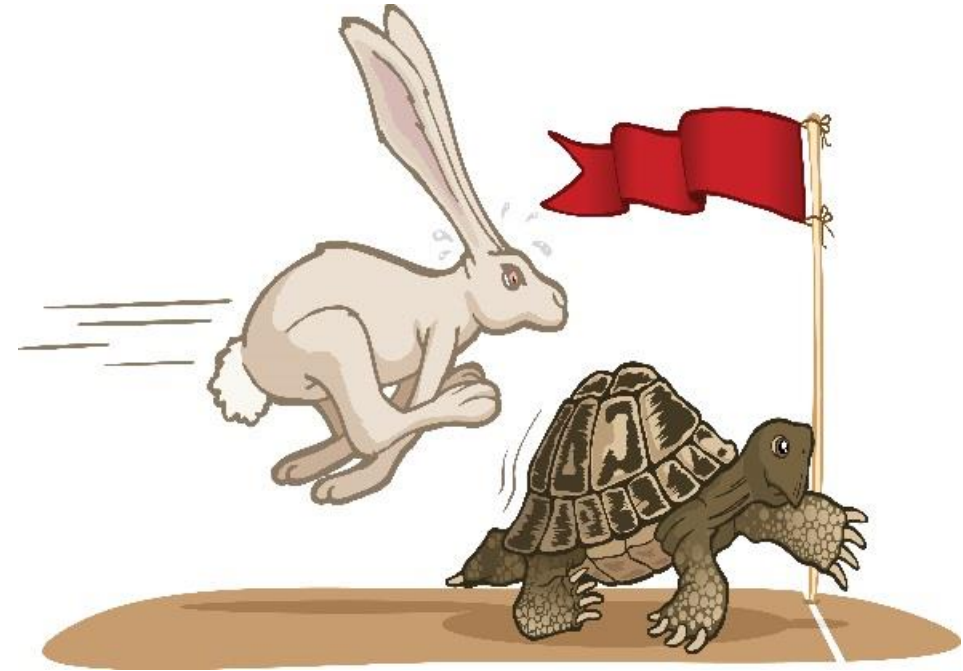
- Low Maintenance costs on the Electric vehicles
- No Diesel costs
- Eco Tyres
- No Emissions
- Toll reduction incentives
- Reduced noise pollution within the DSU's due to silent feature of the electric vehicles
- Corporate reputation and brand

An Post and the Environment



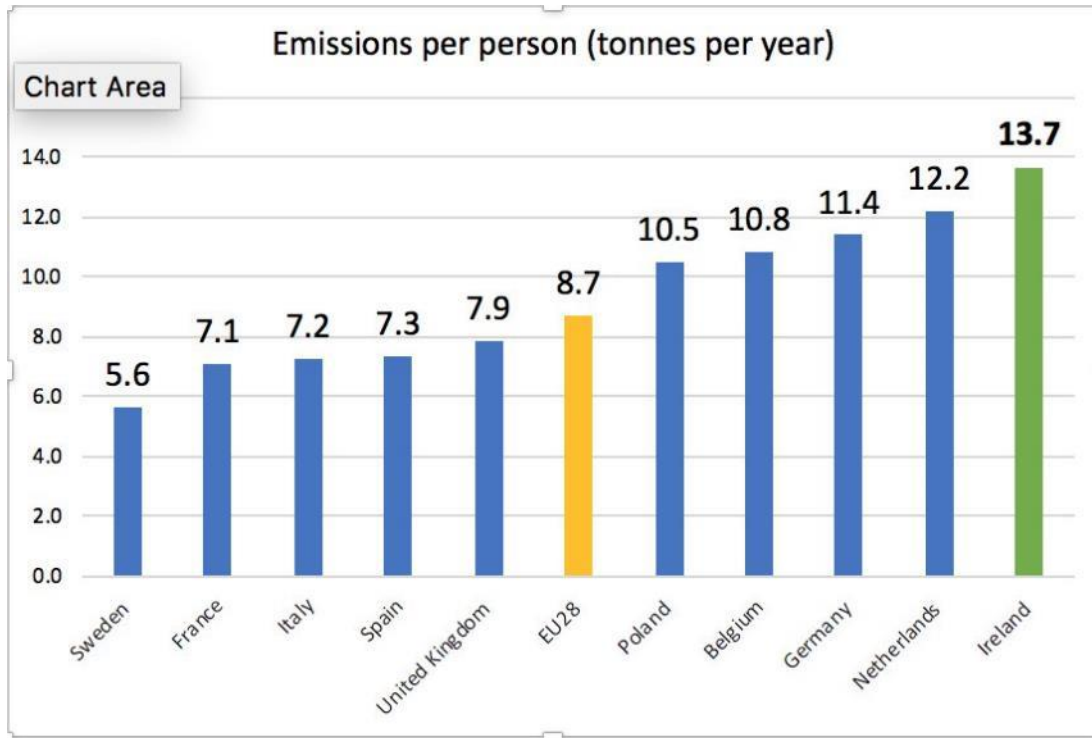
Benefits of Ecodriving

- 5+% reduction in fuel use
- save range on electric vehicles
 - At home & at work
- Significant reduction in emissions
 - No vehicle modifications required
- Less stress for the driver
 - More relaxed driving
 - Telematics on all An Post vehicles

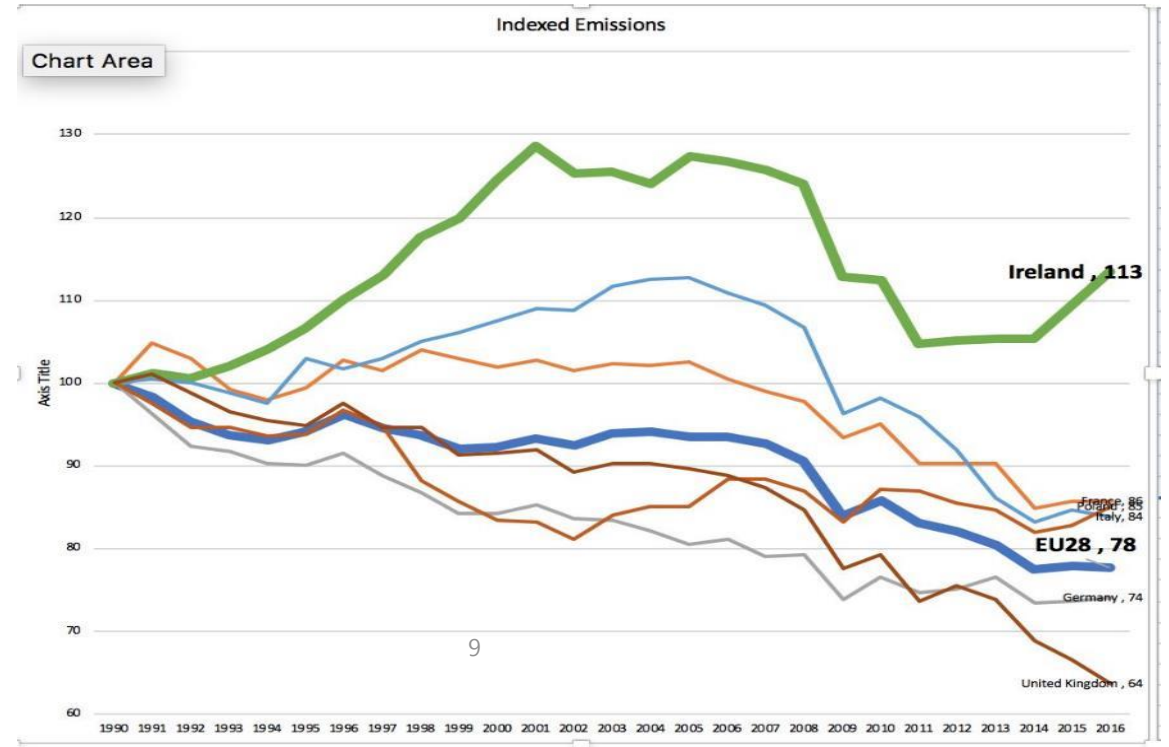


Where does Ireland stand?

Worst in EU per capita



Getting worse - not better



THE VEHICLES

an
post

An Post Introduction to Electric Vehicles



Charging point on Kangoo ZE

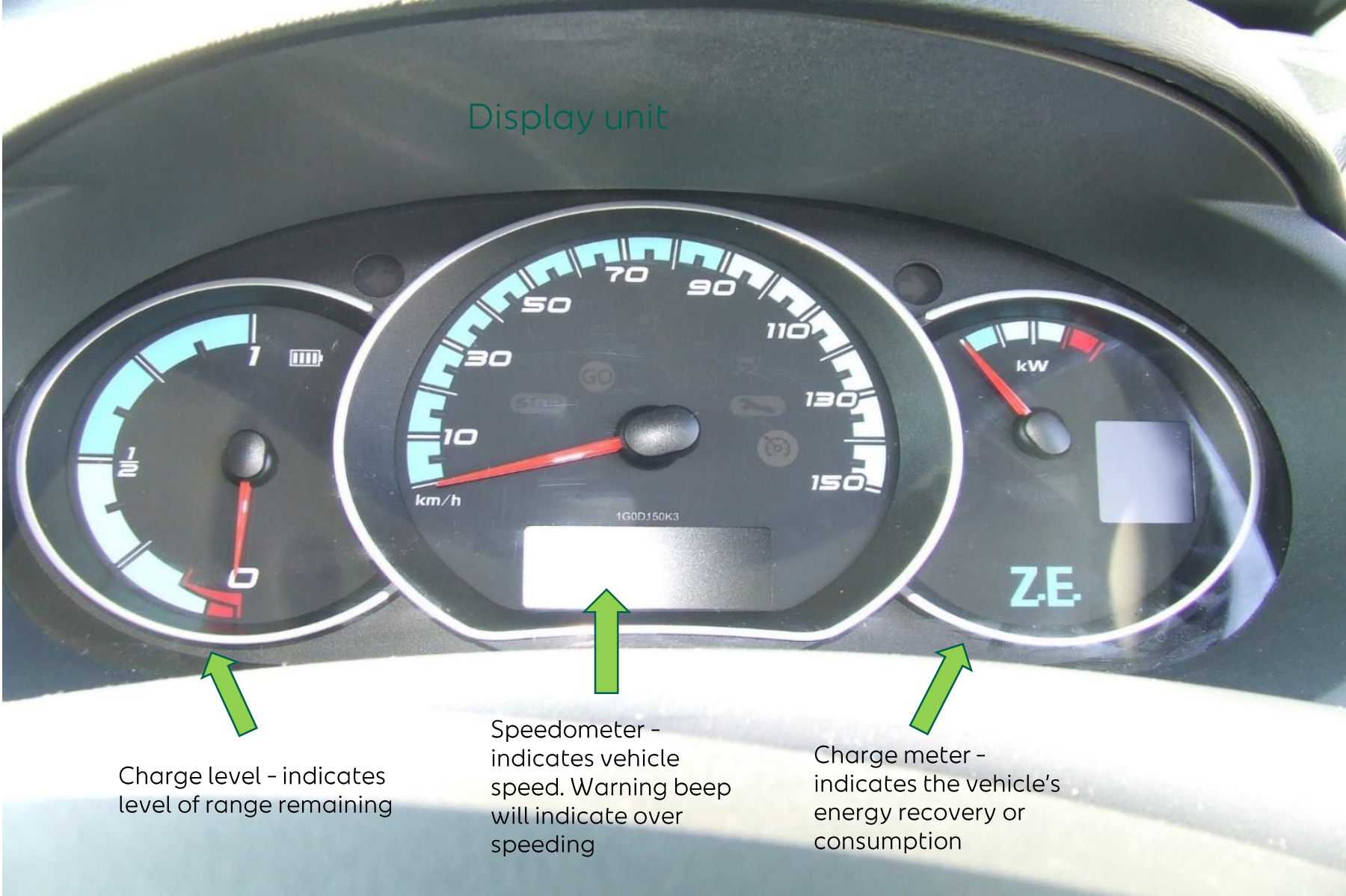




Storage of Charge Lead



Renault Storage bag for charge lead. One supplied in each vehicle.



Display unit

Charge level - indicates level of range remaining

Speedometer - indicates vehicle speed. Warning beep will indicate over speeding

Charge meter - indicates the vehicle's energy recovery or consumption

Display Selection Keys



DIP
Driver
Information
Panel

Display Selection
Keys

Eco Driving



Extra Payload Space



Ensure handle is in the locked position to ensure safety of driver

Electric LDV's



Charging your LDV Vehicle



Charging Point for E-Vehicles.





DC Charge

- On the left hand side of the drivers door there is another charge point which we call DC Charge.
- This charge point should not be used at any time.
- All charging must be done from the front of the vehicle.
- Charge leads are not compatible with this DC Charge.



P - Parking must not be used as a substitute to the Electronic Parking Break.

R - Reverse before selecting reverse or pushing out from reverse the vehicle must be stopped completely.

N - Neutral this does not act as a break when the vehicle is in neutral, you must use either the EPB or Foot Brake.

D - Drive Position of Forward Gear in order to drive the vehicle forward.





EPB - Electronic Parking Brake



HHC (Hill Hold Control)

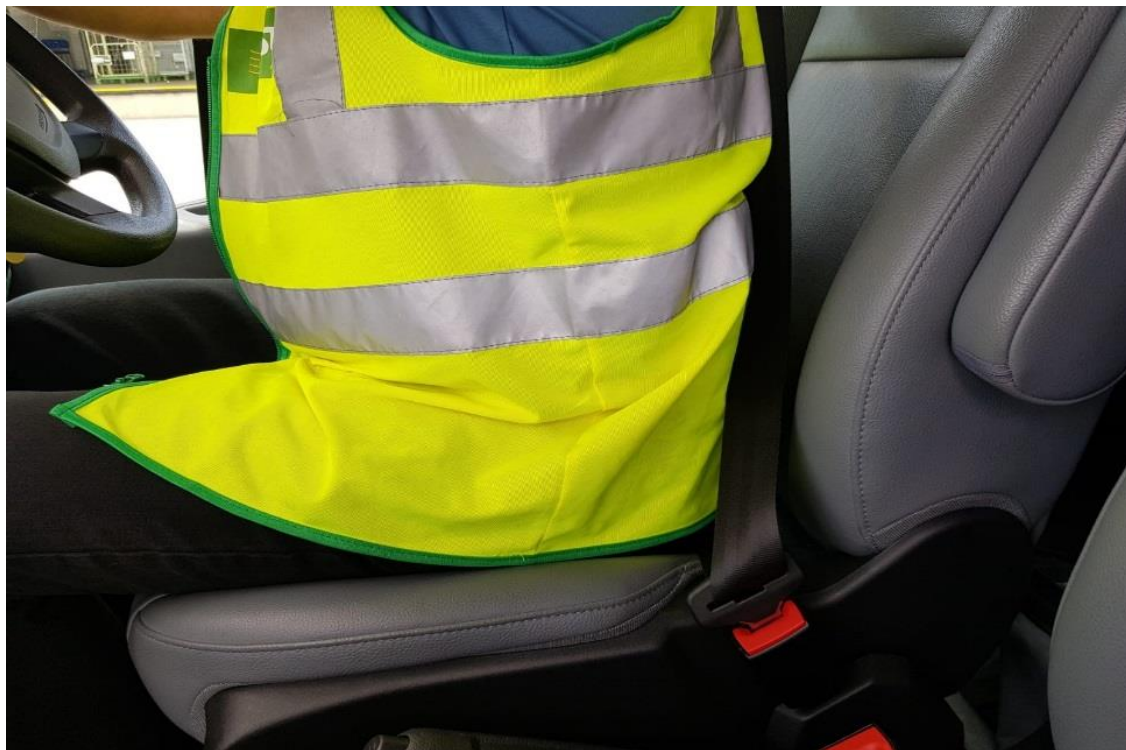
- LDV's are capable of preventing the vehicle that is climbing a hill from slipping downhill after the driver releases the brake pedal (EPB)
- It's the feature that automatically holds the vehicle in place when it detects that the vehicle is resting on a hill. It is designed to prevent the vehicle from rolling and the driver from having to quickly get their foot from the brake pedal to the gas pedal.
- The vehicle allows an interval of up to 2 seconds for the driver to shift his/her foot from the brake pedal to the accelerator pedal in order to eliminate a roll back.

It's the law !

- 3 penalty points for not wearing a seatbelt and a €60 fine to the driver!
- Failure to wear a seatbelt can not only incur penalty points and a fine, and may lead to disciplinary action being taken by An Post.
- No driver must ever drive with the seat belt secured in the buckle behind them.
- It is your responsibility as a driver to wear your seatbelt.
- Remember its your licence and your points should you fail to obey the law !



Breaking the law !



Putting your learning into practice

- Avoid Harsh breaking/ accelerating
- Use Eco Button where available
- Adapt Eco Driving style of driving to increase the range on your vehicles
- Ensure you adapt the 3 second rule when driving to give the driver time to act instead of reacting !
- Drivers at all times should be anticipating the road ahead
- Ensure before you take your vehicle out that it is charged fully and the charge lead has been stowed away correctly.
- Drivers must wear seat belts at all times, An Post drivers are not an exception to the law !
- Driving for work behaviour reflects on An Post's company image, drive in a professional and courteous manner at all times while having awareness and respect for other road users.

This completes your theory based session. In order to proceed on to the practical demonstration of the electric vans followed by an evaluation, please contact your DSM to schedule directly with Rita Gaffney L&D.