

# On Street EV Charging Solutions

Cross pavement gullies

Thomas Evans – Carmarthenshire County Council



# On Street EV Charging Solutions

- Approximately 75% of residents have access to off-street parking in Wales\* and can charge at home with a dedicated ChargePoint.
- To encourage mass adoption of EVs we want to find a solution for the other 25%.
- The solution should be fair and equitable to all residents of the County.
- Home charging via EV tariffs can be as little as 10% of the costs of public tariffs.
  - Ensure tie in with local, regional and national strategies.



# On Street EV Charging Solutions – Why gullies?

- In December 2023 we commissioned Arcadis to assist us in assessing all on street residential charging solutions.
- This report was further supplemented by Welsh Government/TfW study on this area.
- Considered best practice and lessons learned from elsewhere.
  - Engaged with both internal and external stakeholders via workshops and questionnaires.



Cyngor Sir Gâr  
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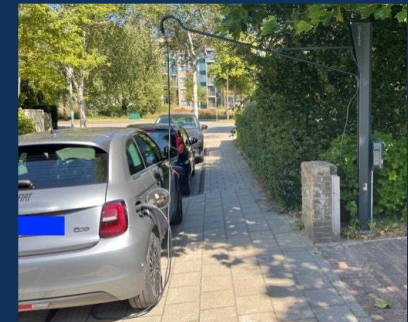


# On Street EV Charging Solutions – Why gullies?



Solutions considered included:

- ✓ Gully
- ✓ Telescopic charger
- ✓ Lamppost Mounted
- ✓ Charging Bridge
- ✓ Flat Cables

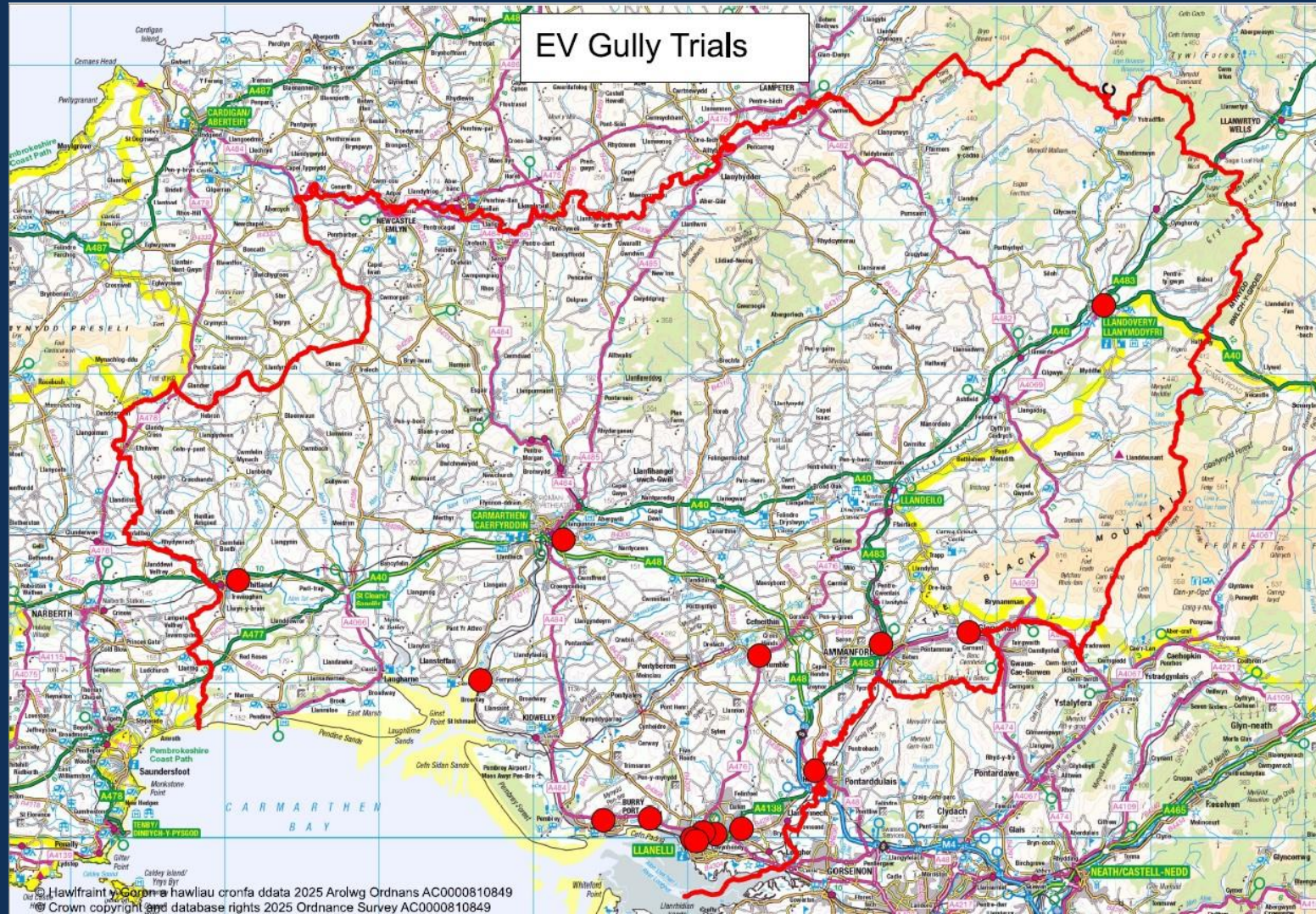


# Planning & Undertaking the Trials

- Selecting the right product – Why Kerbocharge?
  - Procurement & Liabilities.
- Modified S178 Agreement – Similar to dropped kerbs.
  - Selecting the locations – Demand led.
  - Two phased approach over different financial years.
- Robust monitoring and evaluation strategy with input from key stakeholders.



# Phase 1 Locations



## Practicalities around installation & liabilities

- First day of installs undertaken by Kerbocharge with on-the-job training for the DLO followed by an online presentation.
  - Most installs complete within 1 hour.
- Gullys sits within highway limits so remains responsibility of the council to maintain.
- Homeowner has responsibilities under S178 agreement to keep the gully clear.
- Issues raised with HAUK guidance relating to reinstatement of gully following street works.



## Outcomes from the trial and plans for future EV infrastructure

- 3-month post install survey and interview.
- To be followed up with another after 12 months.
- Initial feedback has been overwhelmingly positive from users, council staff and nonusers such as residents and disability groups.
- DLO also praised the product for its ease of installation and technical performance.
- Some negative points and suggested improvements have also been raised.



Thanks for Listening

Q+A to follow.

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