ESB NETWORKS

ESB NETWORKS' DINGLE PROJECT

Three years, multiple trials, innovative actions, one community.

ESB Networks' Dingle Project is exploring the impact and capabilities of new low carbon technologies on the electricity network and how we enable this energy transition for all customers.

Highlights of the Project.

35 COMMUNITY TRIAL PARTICIPANTS

The Dingle Project brought together a community of eager ambassadors and provided them with a range of technologies to help them cut their energy carbon footprint through a series of innovative trials.

That's **3 GENERATIONS** of Dingle residents helping make a difference together

Teachers, Farmers, Artists, Pub & Restaurant owners, are just some of the people involved

5 SHOWCASE PROPERTIES

5 Project Ambassadors share their experiences on deep retrofits and how the full suite of low carbon technologies in their homes and businesses work for them.

- **Deep Retrofits** to homes and businesses
- **Solar PV** Systems
- **Battery Energy** Storage Systems
- Air Source Heat Pumps **(ASHP)**
- **Electric Vehicles** and **Smart EV Chargers**
- **Home Energy Monitoring** Devices

15 ELECTRIC VEHICLES ON THE ROAD

EV Ambassadors quickly adopted smart charging habits that worked for them, while ESB Networks observed the impact on the electricity network over this 12-month trial.

Additionally, 2 extra EVs were made available so that the wider community could share in the experience.

Our EV Ambassadors have driven over **362,529km** electric kilometres*

>59,300kWh of charging completed at participant homes*

25% of participants completing **>30,000 km in the year***

25 SOLAR PV INSTALLATIONS

Clean renewable electricity generation installed across the peninsula, with **80,138kWh clean energy** produced to date eliminating a carbon equivalent of **24,550kg CO2e.***

Ambassadors aligning usage with **solar generation**

Mobile App provides helpful data

*based on SEAI emission factors for CO2 per unit of energy for Electricity in 2019, 2020 (as of 31.01.2022)

5 HEAT PUMPS INSTALLED

From oil to a **clean, low carbon heating system.**

Project Ambassadors can experience the benefits of electrified heating in their homes and businesses and ESB Networks can better understand the impact of electrification of heat on our network.

1 unit of electricity delivers 3-4 units of heat

Cleaner on the environment than oil or gas

100+ NETWORK DEVICES TO ENHANCE NETWORK RELIABILITY

A range of new devices and technologies have been installed across the electricity network to help minimise faults and find them faster, ensuring that there is a more dependable and reliable supply for all electricity consumers.

More resilient network

Faster restoration times after outages

Reduced Customer Interruptions

COMMUNITY

ESB Networks' Dingle Project requires active collaboration with citizens, businesses and organisations across the wider community.

From the region's innovation hub to local radio, print media, schools and the 3rd level education sector, all working together to share learnings and insights.

40+ Dingle community information events

Multiple community-wide information channels

Find out more about ESB Networks' Dingle Project at

www.esbnetworks.ie/dingleproject