



Energy for generations

ESB Electromobility Solutions

Driving a Net Zero Future



Climate change is the defining challenge of our time. While progress has been made in the transition to a green economy, much more must be done to ensure Ireland meets its targets of net zero greenhouse gas emissions by 2050, with a reduction of 51% by 2030.

To this end, Electricity Supply Board (ESB) is taking urgent and focused action to achieve net zero emissions by 2040.

John Byrne

Head of eMobility, ESB

We're putting in place the infrastructure and services to enable our customers and broader society to live more sustainably. Achieving these goals means revolutionising how energy is generated, used and stored.

With your help, ESB can drive this transition to a greener economy. Working together, we can do our part, with tangible benefits for your organisation, your area, and your community.



ESB ecars: who we are

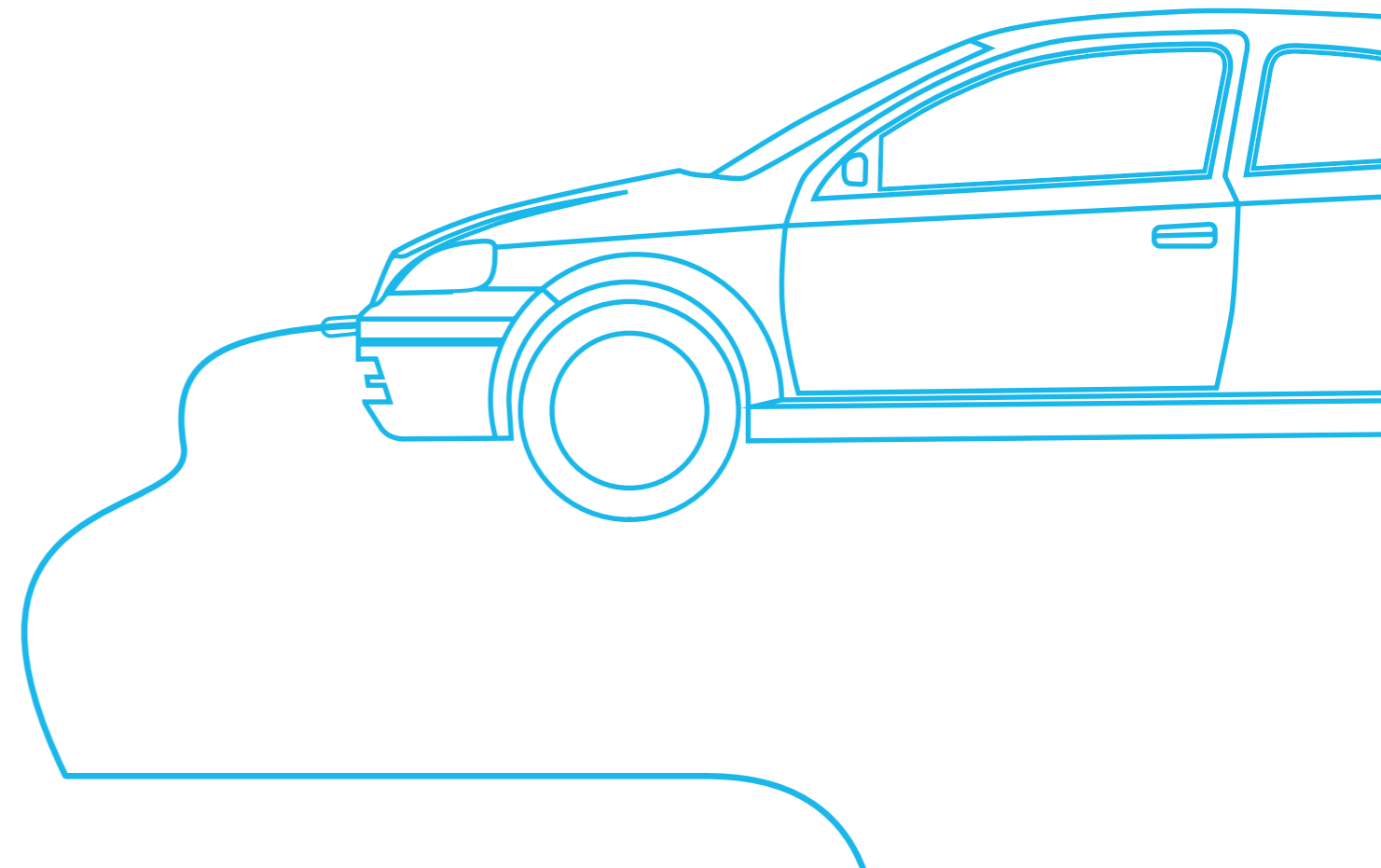
By 2030 there is expected to be one million electric vehicles on Irish roads, requiring charging infrastructure across Ireland. This is where ESB makes a difference.

ESB owns and operates the largest public electric vehicle (EV) charging network on the island of Ireland. As part of the state owned ESB Group, ESB has been developing electromobility solutions since 2010 and provides full end-to-end EV charging solutions to businesses, retailers, property owners, transport, and local authorities.

We operate a growing network of over 1,850 charge points supplied by 100% green electricity. Our network spans across Ireland, Northern Ireland, and major cities in Great Britain: London, Birmingham and Coventry. ESB built one of the first fully interoperable public charging networks in Europe.

Across Ireland, ESB is currently undertaking a €20 million programme to expand and enhance the public EV charging network which is part funded by the Irish Government's Climate Action Fund. The focus of this programme is the build of a high-power EV charging network. This is to help meet the expected growth of EVs in the coming years and drive us on our way towards a lower carbon future.

In Northern Ireland, ESB is investing £3.27 million, part funded from the Levelling Up Fund (LUF), to expand and enhance the EV charging network and transform the public charging experience for the current and future drivers of Northern Ireland.



Installing EV charging infrastructure

Are you considering installing EV charge points at your site? If so, we can help you.

- **Site Analysis & Planning:** Full site analysis and configuration is carried out by our engineers. Design is agreed, construction drawings are prepared and submitted to the local planning authorities.
- **Grid Connection & Power Supply:** Management of end-to-end grid connection process.
- **Hardware:** Our charging hubs provide a range of charger types suitable for all EVs which include fast/rapid (up to 100 kilowatts (kW)) and high-power chargers (150-350kW).
- **Construction:** All civil works and electrical installation of EV charging equipment undertaken onsite by our experienced contractors, as per health and safety guidelines.
- **Systems & Information Technology:** Management of a full turn-key solution through a back-end charge point management system and our ecar connect app.
- **Operations & Maintenance:** Scheduled preventative and corrective maintenance of the charging and auxiliary equipment.
- **Customer Support:** Dedicated customer service support team on phone and social media who can resolve issues in real time, 24/7, 365 days a year.
- **Marketing Support:** Plan to publicise chargers using geolocated targeting, social media, advertising, public relations and digital.



Standard Charging

Standard chargers (up to 22kW alternating current (AC)) can charge an EV in approximately 1-6 hours and are typically found on-street and in car parks.

Fast (Rapid) Charging

Fast chargers (up to 100kW direct current (DC)) can charge an EV up to 80% in as little as 30 minutes. We are rapidly expanding our fast charging network right across Ireland and our chargers can be found in motorway service stations, retail parks and shopping centres.



High-Power Charging

We are ramping up our installations of high-power (from 150kW to 350kW DC) hubs on primary routes and destinations across the country. Our hubs can provide up to 100 kilometers of driving range in as little as six minutes.

Benefits of choosing ESB:

- **Experienced Electromobility Provider:** Ireland's longest established EV charging network operator, with over a decade of experience in delivering, maintaining and operating EV charging infrastructure.
- **Ireland's Largest EV Charging Network:** Be a part of Ireland's largest public EV charging network, with over 80,000 customers (and growing), and 70% of all EV drivers in Ireland currently signed up to use the network.
- **Increased Footfall:** Installing EV chargers on your site benefits your business by encouraging increased footfall. Demand for electrified transport continues to accelerate, thus increasing the number of potential customers who stop at your site to charge their EV.
- **Future-Proof Your Business:** With EV purchases growing, it benefits to invest in EV charging infrastructure to ensure that your site can cater for all types of vehicles into the future.
- **Offsetting Carbon:** EV chargers offset the carbon that would have been emitted from an equivalent petrol or diesel vehicle. One 300kW charger can offset more than 480 tonnes of Carbon Dioxide (CO₂) every year. This CO₂ saving will support your green agenda and go a long way towards helping you achieve carbon net zero.
- **Revenue Generation:** Commercial offer to include an annual site rent for the footprint of the chargers and a gross margin share.
- **Trusted Long-Term Partnerships:** As a partner, ESB not only offers vast experience in the electromobility sector, we also develop long-term collaborative partnerships with those we work with.



Our green credentials

100% Green Electricity: ESB's mission is to create a brighter future for the customers and communities we serve by leading the transition to reliable, affordable, low-carbon energy. We ensure that all the energy supplied through our EV charging network is 100% renewable.

Achieving Net Zero: As part of ESB's net zero strategy, we're building a public EV charging network to support the decarbonisation of transport. ESB will spend up to two billion euro a year until 2030 to cut greenhouse gas emissions. With your help, ESB can drive this transition to a greener economy.



Contact Us

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