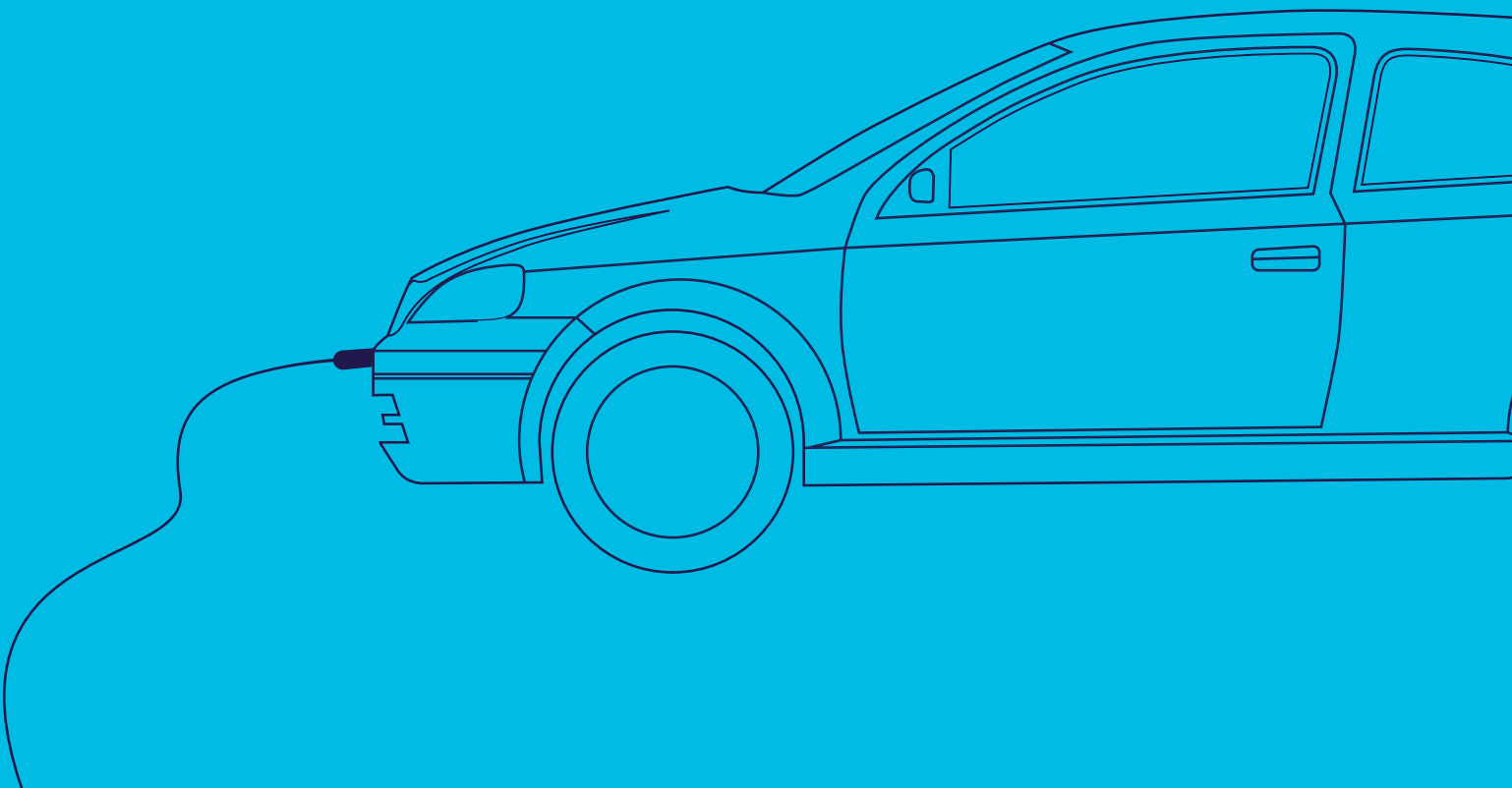


**ESB Energy's**  
**Electromobility Solutions**  
**Driving a Low-Carbon Future**



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 the UK meets its target of net-zero greenhouse gas emissions by 2050.

Achieving this goal means revolutionising how energy is generated, used and stored. The government has introduced strategies to decentralise generation, create demand flexibility, improve storage capacity and encourage the electrification of transport on our roads.

---

John Byrne  
**Head of e-Mobility, ESB Energy**

Large energy users in the higher education sector have a particularly important role to play. With stringent public sector carbon reduction targets, universities face some real challenges, but also stand to benefit from embracing greater sustainability. For many, the prospect is daunting.

It will take all of us working together to succeed. That's where ESB Energy can help.

The transition to a green economy is a certainty. Working together, we can do our part, with tangible benefits for your organisation, your area and your community.



## Who We Are

ESB Energy has been developing electromobility solutions since 2010.

We provide full end-to-end electromobility services to business, transport and local authorities.

ESB Energy built one of the first interoperable public charging networks in Europe and operates a growing network of over 1,500 charge points across Ireland, Northern Ireland, London, Coventry and Birmingham supplied by 100% green electricity.

We have extensive experience providing charging infrastructure on a national scale working with the British and Irish Governments, Transport for London, Coventry City Council, Birmingham City Council and private site owners across Ireland and Great Britain.

## Our Background

ESB Energy is part of ESB Group, which has a combined experience of over 90 years in the provision, management and development of energy utility infrastructure and services in Ireland, the UK and internationally. With over 7,000 employees, ESB operates across the electricity market, from generation through transmission and distribution, to supply of customers, with an expanding presence in Great Britain's generation and supply markets. We have a diverse generation portfolio of 6,000MW, including a significant portfolio of renewable generation assets in the UK and Ireland. In total ESB currently operates 10 hydroelectric stations, 10 thermal power stations and 17 wind farms across the Republic of Ireland and United Kingdom.

## Creating a Brighter Future

At ESB Energy, our goal is to actively change the energy landscape across Ireland and Britain to create a brighter future.

By investing in renewable energy sources and developing sustainable technologies, we're paving the way to a cleaner, brighter future for all.



## Help to Electrify Your Local Area

We want to be a part of Britain's greener future in every way. ESB Energy is rolling out a growing network of charging points in London, Coventry and Birmingham. We would like to explore with you, the opportunity to host 100% renewable electricity EV charge points on your site and to join us in creating a brighter future for everyone.

## The Benefits

The benefits of implementing electric vehicle chargers on your site span the triple bottom line - positively impacting the local community, the local economy and the planet.

As an EV charging host, you will help to encourage the uptake of EVs in your area, help to improve air quality and in turn help the transition to a net zero carbon future. Many prospective EV drivers need to see that they can access public charging in their area and this site offers a real opportunity to promote a cleaner transport future.

Our charging hubs provide a range of charger types suitable for all electric vehicles and all use cases. Drivers can plug in and charge while they work, and for those looking for a quicker charge, our rapid and high power chargers ensure drivers can charge and go.

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 CO<sub>2</sub> every year.

This CO<sub>2</sub> saving will support your green agenda and go a long way towards helping you achieve carbon net zero.

As a partner, ESB Energy not only offers vast experience in the electromobility sector, we develop long term collaborative partnerships with those we work with. As well as building state of the art charging infrastructure, we ensure it continuously performs with excellent operations and maintenance, upgrade plans and a customer-centric approach across 24/7 customer care lines, social care, supporting apps, and a marketing strategy.



# Our Core Capabilities

Our core capabilities span the complete electromobility infrastructure supply chain, with industry-leading knowledge and experience.

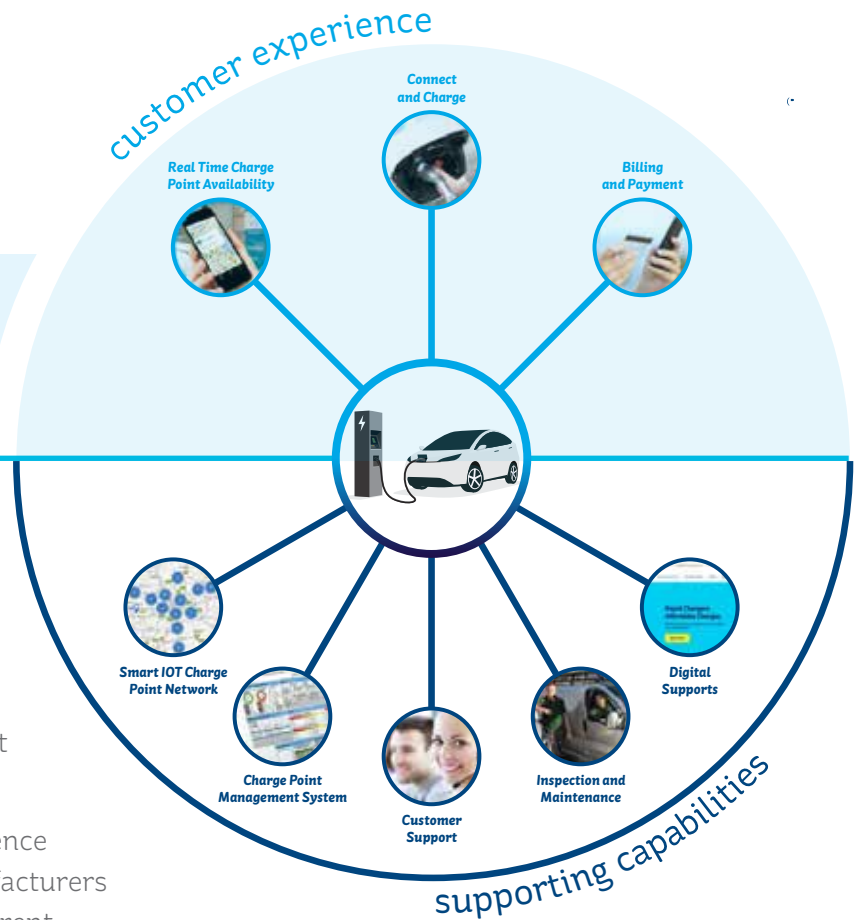
## Our Solution

ESB Energy is involved in all recognised charging infrastructure market segments. We can deliver full end-to-end solutions tailored to meet the specific needs of our partners.

We have developed extensive experience with 18 global EV charge point manufacturers and direct experience of over 28 different charge point models since beginning our infrastructure deployment over ten years ago. As charging technology has developed, this spectrum of equipment has been rationalised to remove the least reliable assets from our networks, driven by the principle of continuous improvement applied to all of our activities.

We have been involved in numerous EV-related EU and international projects since 2010 including MERGE, ENEVATE, Green eMotion, MOBI.Europe, FINSENY, FINESCE and PlanGrid EV. These projects have allowed us to keep pace with and even lead changes in standards, technology and installation and planning practices across the electromobility industry, by contributing to and learning from these cross-jurisdictional projects.

A key part of infrastructure provision is meeting future user's expectations and ensuring compatibility with future vehicles. ESB Energy ensure this through several measures:



- Always using best in class technology: we select hardware providers based on the highest technical specifications ensuring up to date compatibility and durability.
- Future-proofing technology (e.g. modular charge point design and configuration allowing upgrade to 350kW)
- Our diverse portfolio of businesses enables innovative products to be offered in parallel to the network. These include home or grid-tied energy storage, EV domestic energy tariffs and network roaming agreements. Innovative technology also offers opportunities to maximise network utilisation, e.g. a taxi priority reservation service.
- Implementing any changes resulting from legislation (e.g. Automated and EV Bill)

We are constantly thinking of how best we can add value to our site host and will work in partnership with you, to ensure we get the best solution.

# Local Engagement

## Supporting Local

ESB Energy is committed to using locally sourced suppliers and raw materials where possible to support local business. We are committed to creating local employment and support local apprenticeship schemes. We make a positive contribution to the environment in all aspects of how we build and operate our network assets. Through initiatives with our supply chain, including sustainable sourcing, waste reduction and recycling targets.

Our core objective is to build a brighter future for our customers and our communities

by leading the transition to a low-carbon world. This objective will be at the heart of our approach to delivering the charging infrastructure at all points of the supply chain, from strategic planning to the supply of equipment and services including the supply of green energy over the life of the network to ensure that the charging network will be truly green and sustainable, in line with you, our site host's reduction strategy. Some examples of the commitments we make to support your Emissions Reductions Goals include:

- REGO Scheme Participation
- Environmental Management System (EMS) Implementation
- Green Procurement Policy
- Works Sustainability Policy



## Social Value

We seek to empower and enrich the lives of individuals in the communities in which we serve across Ireland and Great Britain through our corporate social responsibility (CSR) programme. The Energy for Generations Fund is our corporate social responsibility fund. It is how we support charities and community organisations wherever we have a business footprint and profile.

Each year the Fund awards over €2.5 million in funding across a range of local community and issues-based initiatives. The Fund awards €1 million in direct funding through a quarterly fund to charities working in the areas of suicide, homelessness, and education access and support. The remaining €1.5 million is allocated across a range of initiatives including:

- Charity Partnerships
- Employee Volunteering Programmes
- ElectricAid (social justice fund of our staff and pensioners)
- Wind Farm Community Fund
- CSR Sponsorship
- Local Community Support

## Educate Together

We believe education is vital and it is one of the key focus points of our charitable efforts. We have a strong track record including where we have promoted innovation and education through various STEM initiatives in local Universities and Colleges. Our focus is to develop future talent by supporting the development of skills in STEM, and we achieve this through various partnerships.

By working together we can unlock lots of opportunities to engage with the local community and provide local business support.



## Our Green Credentials

### 100% Green Electricity

ESB Energy'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. Our participation in the Renewable Energy Guarantees of Origin (REGO) scheme provides transparency to consumers about the renewable status of our supply, so our customers can be assured that the environmental benefits of switching to electric motoring are maximised by using our infrastructure.

### CO<sub>2</sub> Reduction

We have been investing in the UK energy market since 1992. In recent years we have been investing in innovative technologies at the forefront of their respective markets including; electromobility, wind, solar energy, and battery storage for businesses and organisations. We have a target of reducing carbon intensity from all operations by 50% by 2030 equivalent to 200gCO<sub>2</sub>/kWh.

## Green and Sustainable Investments

We continue to pursue opportunities in the low-carbon energy services sector, including joint ventures and collaborative opportunities. Our €200m clean tech venture capital fund, Novusmodus Fund, currently manages investments in nine companies in the clean tech sector.

## Generation Future Outlook

We plan to have 2,500MW of renewable generation by 2025 and are constructing new wind farms in Ireland and Northern Ireland and a biomass plant at Tilbury in East London. In addition to growing our wind portfolio, we plan to build further Energy from Waste (EfW) plants and solar plants between now and 2025. We will also invest in storage assets in addition to developing further options for flexible high-efficiency gas plants, across both the UK and Ireland.

## Contact Us

Let's work together to create a brighter future for your organisation. Get in touch at:



@ESBEVSolutions



EVsupport@esbenergy.co.uk

EV Solutions, ESB Energy 4th Floor, 85 Tottenham Court Road, London, W1T 4TQ  
[esbenergy.co.uk/EV](https://www.esbenergy.co.uk/EV)





**ESB Energy drives sustainability and decarbonisation right to the heart of business strategy, providing organisations with innovative and future proofed programmes. Together we are building a brighter future for business in the UK.**

