



UNLOCKING ENERGY SAVINGS FOR YOUR BUSINESS

Smart Energy Services



SMART ENERGY SERVICES

Smart Energy Services from ESB offers more than energy consultancy. We partner with large organisations to identify and implement sustainable solutions that dramatically reduce their energy costs and carbon emissions.

DELIVERING ENERGY SAVINGS OF UP TO 60%

Our collaborative approach ensures our clients receive the expertise, tools and technology tailored to the needs of their business. As we guarantee results, our clients don't just reduce energy usage but realise tangible financial gains from adopting energy efficient solutions.

EXPERT TEAM

Our Energy Services team draw on the breadth of expertise across the ESB Group to deliver the best results for our customers, leveraging cutting edge technology, data analytics and advanced energy monitoring tools.

With an Energy Services team that covers a range of disciplines and backgrounds, we provide expertise in energy supply, sustainable technology, energy systems and project management, all tailored to the needs of your business.

We work with large energy users from Retail, Manufacturing, Public Sector, Pharmaceutical, Agri-food and Commercial sectors.

OUR APPROACH IN PARTNERSHIP WITH YOU



FUNDED PROJECTS

ESB Smart Energy Services offers an innovative approach to financing customer energy efficiency initiatives, projects and Energy Performance Contracts across five key competencies:

- Battery Storage
- Heating & Cooling
- Lighting
- Energy Management Hub
- EV Services



ENERGY INSIGHTS

Advanced energy monitoring tools, robust usage analytics and industry specific insights to unlock energy savings.



EXPERT RECOMMENDATION

Solutions consultancy and design input that will deliver the best results for you.

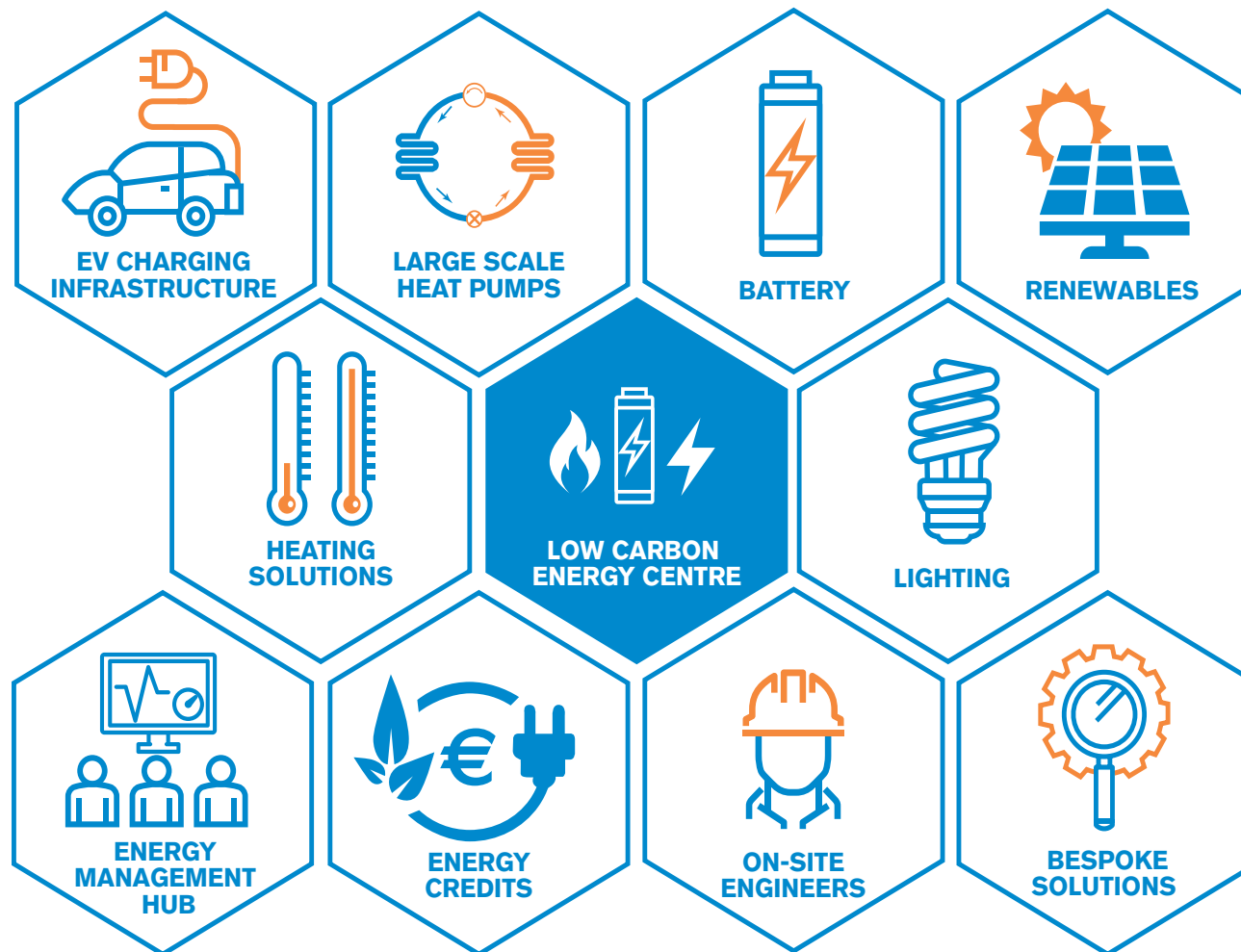


INNOVATIVE SOLUTIONS

Variety of sustainable technologies that require no upfront supply-side investment.

OUR RANGE OF ENERGY SOLUTIONS

We offer a range of sustainable solutions to suit the energy requirements of large organisations, without the need for upfront investment. Because every business is different, we will tailor the solutions to your requirements to drive efficiencies and guarantee significant savings.



SOLAR

Our Smart Energy Services team integrates solar PV and solar thermal technology with renewable energy installations in order to maximise ROI and CO₂ savings throughout your building or site. Our industry-leading generation technologies will transform your utility environment. Using Solar PV panels to generate energy, this means that there are no greenhouse gases or pollutants emitted, making it one of the cleanest and lowest-carbon forms of energy.

WIND

ESB is leading the way in developing a modern, efficient energy system toward our ambition of a low-carbon future. Wind generation is a key component of this, as the fastest growing renewable energy source currently available. We are committed to delivering a sustainable and competitive energy supply through innovation, expertise and investment that delivers large-scale projects to continuously improve wind as an energy resource.



ELECTRIC VEHICLE CHARGING INFRASTRUCTURE

Our Smart Energy team are helping businesses across the country reduce their carbon footprint and improve their Green Credentials by providing electrical vehicle charging infrastructure on their premises. We can provide a tailored financial solution that will allow you to provide charging solutions without the upfront cost, investing in your future.

Our expert team are supplying EV chargers to businesses across multiple sectors. We will work in partnership with you to create a bespoke plan that meets the needs of your EV drivers, whether it's for commuting or commercial fleet vehicles. This allows you to reduce your carbon emissions without any upfront investment.



ELECTRIFICATION OF HEAT

ESB's Smart Energy Services provide viable low-carbon solutions to significantly help reduce emissions from a large-scale project using heat pumps. A Ground Source Heat Pump is an electrically powered geothermal heating system that uses the natural underground temperature of the earth in order to heat, cool and provide hot water. More importantly, it can offer significant and long-term fuel cost savings along with immediate and long term carbon savings.

Our in-house experts will design, install and manage your heat pump system, delivering high-quality projects on an agreed timeline for clients of all sizes and sectors.

ENERGY MANAGEMENT HUB

Through our Energy Management Hub we offer a range of energy management services, including full day-to-day management of your energy efficiency and optimisation projects. Our total energy management service enables you to unlock efficiencies and free up resources to concentrate on your core business priorities.

In addition, we offer a range of energy monitoring and management tools to allow you understand and measure your energy usage. A range of insightful dashboards, tracking and measurement tools enables us to propose projects and energy optimisation measures to reduce your overall costs.



WE OFFER:



Assessment and analysis of your energy data.



Remote monitoring and verification of your energy usage.



Expert recommendations on your options around energy efficiency.



Daily interaction and measurement of your energy data analytics.



Management of energy efficiency and optimisation projects.

LIGHTING AS A SERVICE

THE LOWDOWN

We invest the capital upfront to install and maintain new LED fixtures which generate immediate energy savings for you. We then share these cash savings with you for a defined period, typically five to seven years. After this period, you'll benefit from the full savings.

THE BENEFITS

Our lighting service can reduce your lighting energy consumption by 70% to 80%, delivering immediate savings on your energy bills. As well as implementing the LED installation, we'll also maintain your new lighting and share the cost savings throughout the agreed period.

CUSTOMER BENEFITS



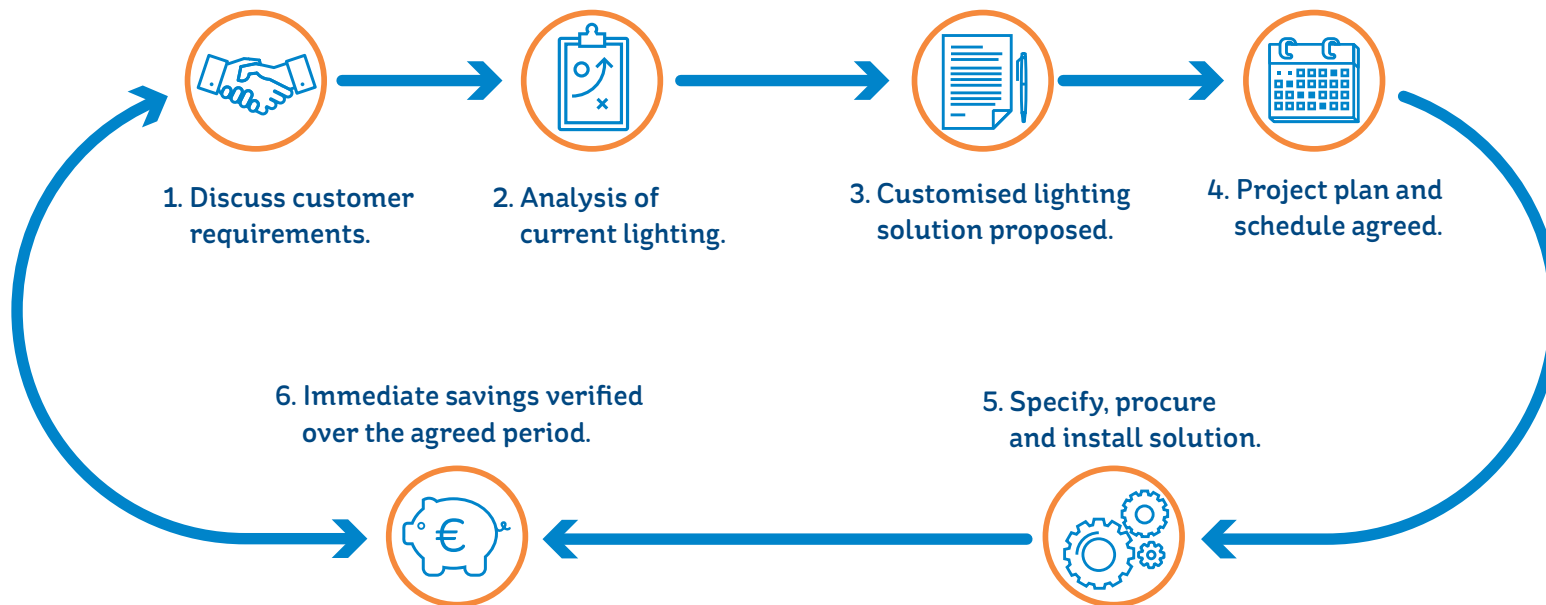
Reduce Operating and Maintenance Costs



Improved Lighting Levels



Generate Positive Cash Flow for the Business



HEATING & COOLING SOLUTIONS

THE LOWDOWN

Heating and cooling bills make up a large proportion of the running costs of any large industrial or commercial premises. With this service, we provide the heat solution and finance - meaning there's no initial capital investment or impact on your balance sheet.

THE BENEFITS

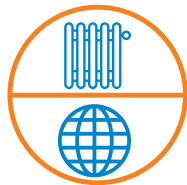
Under an Energy Partnership Agreement with you, we'll install a fit for purpose Heat Pump or Combined Heat and Power (CHP) Solution, operate and maintain the plant in your Energy Centre, and supply heating/ cooling/ electricity at a discounted rate.



OUR RANGE OF FUNDED HEAT SOLUTIONS



Combined Heat & Power (CHP)



Ground, Water, Air and Sewer Source Heat Pumps



Renewable Heating and Cooling

CUSTOMER BENEFITS



Reduce Energy Bills



Install New Heating and Cooling Energy Centres with no upfront cost



Reduce Carbon Footprint

BATTERY STORAGE

THE LOWDOWN

Battery solutions enable businesses to store energy generated during low tariff periods and use it when tariff prices are high. Once we've analysed your energy usage, we'll design a storage system to meet your needs. We'll also procure high specification batteries from leading world suppliers to tailor the storage system to match your demands.

THE BENEFITS

Enjoy reduced costs and a back-up power supply. Our battery storage solution offers you the flexibility around your energy consumption which in turn will reduce your energy costs and exposure at points of peak demand. We'll even fund the cost of the battery so there is no upfront investment required from you.

CUSTOMER BENEFITS



Reduce Energy Costs with
Reduced Exposure During
Peak Demands



Increased Resilience



Revenue streams through
demand response schemes



WE ARE THE ENERGY PEOPLE

You can count on us to deliver solutions that provide savings and other great benefits to your organisation. Call us today to benefit from:

- Unparalleled energy expertise.
- Project financing with no upfront investment required.
- Innovative energy saving technologies.
- Advanced energy monitoring and analytics.

To find out more about our solutions, talk to us today.

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 [esb.ie/smartenergy](https://www.esb.ie/smartenergy)





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