

Driving Innovation

Is your Dealership ready for the electric vehicle revolution?

At EnergyForce, we are experts in sustainable energy solutions, helping clients to maximise the potential of Solar PV, Battery Storage, and the latest in electric vehicle charging and monitoring.

Our unique approach takes customers from initial feasibility studies and options, liaison with the grid, through to installation, commissioning and ongoing maintenance and monitoring.

We're completely platform independent, so we only recommend solutions that are right for your Dealership... not our bottom line.

As with any new industry, there is the potential to invest in the wrong equipment. Our feasibility study ensures that you invest in the right solutions, giving you long term added value and flexibility.

What's more, our expertise in Solar PV and Battery Storage gives Dealerships the option of reducing rising energy bills, by generating and storing cheaper electricity.

Why not find out how you can maximise the potential of electric vehicle charging or sustainable energy with our free site survey?

Simply call 01964 508094 or email us at info@energyforce.uk to book an appointment.



New electric vehicle (EV) charging solution for Volvo in York

EnergyForce were delighted to be the chosen partner for the design and installation of a new electric vehicle charging solution at Volvo in York.

Designed to support the new fully electric XC40 along with other future models, this innovative solution features 10 charging stations, offering the flexibility of upto 22kw charging.

Read more about EV charging overleaf...

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HOME CHARGING



To help your customers get the most from their new electric vehicle, EnergyForce provide a fast and effective home charger installation service. As an OLEV approved installer, we offer the latest options in efficient chargers, along with easy ordering and rapid fitting.

We offer customers a simple 3 step process:

1 Customers go online and select the right charge

2 Customers upload installation details for our technicians

3 EnergyForce takes care of the rest, from design through to installation



- Ask us about our free Dealer charger training
- Two market leading charging options
- Easy online customer ordering
- Energy Force is an OLEV approved installer

OUR SOLUTIONS

Electric Vehicle Charging

EnergyForce is completely platform independent, ensuring that we offer the most appropriate solution for your current and future needs.

Our expert advice covers issues such as scalability, load balancing, grid connections and innovative software to track and manage your energy usage.

Solar Panels

Factories, Dealerships, Farms and Schools amongst others have been benefiting from Solar PV for many years, and despite the move to subsidy free status, this technology still offers many attractive benefits: including payback periods from 4 years, reductions in your carbon footprint, and increased efficiency and lower costs of ownership.

New Battery Storage technology linked with Solar PV also provides extra flexibility, and in some cases the option of additional revenue when connected to the grid.

Grid Connection

Whether you're looking to expand your energy capacity, or maximise your current grid connection, EnergyForce can help.

As an Approved Contractor to Northern Power Grid, we can both challenge, design and submit plans on your behalf, or develop a plan through innovative energy management to maximise your current connection without any additional grid costs.

Battery

Battery Storage is a fast moving industry with many opportunities arising. Farms can benefit by providing national grid or DSO's storage to improve flexibility and grid stability.

On the other hand, smaller battery storage systems can store excess energy generation for use later or to maximise your export PPA releasing the energy at peak times.

Battery Storage can also be a fundamental part to an off-grid solution, saving the need for expensive grid connections to remote areas.

Energy Usage



In the short to medium term, the increasing use of Electric Vehicles is going to have an impact upon your energy usage and charging facilities. With annual energy costs set to rise by between 4-8%*, it's important that you consider several things:

- The number and type of charging units you need
- Whether you want remote monitoring to balance power loads, and check usage
- The energy you are able to draw from your grid connection
- You might invest in Solar PV, and generate your own cheaper electricity**

As part of our EV Enablement Plan, EnergyForce can help you with the initial feasibility study, all the way through to design, build and monitoring.

* Source: OFGEM 2019 ** up to 46% cheaper (LCOE)

Solar PV & Battery Storage



Battery Storage is a fast moving industry, offering many new opportunities when connected with Solar PV:

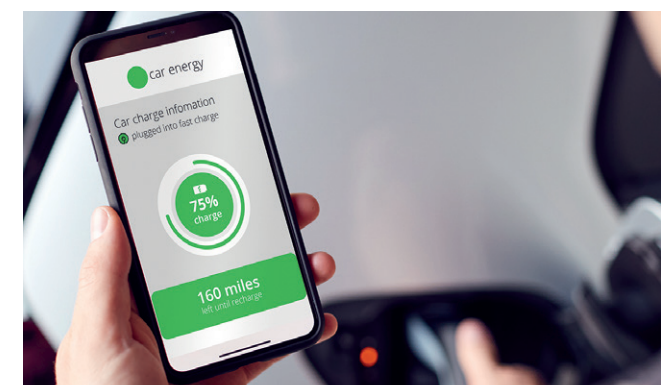
- Store your excess renewable energy, using it at peak times to reduce your reliance on expensive power from the grid
- Generate income by selling your excess energy back to the grid
- Reduce the need for grid connection upgrades, using battery technology to balance the demand. Perfect where your rising energy demand surpasses your connection capacity
- Use Solar PV and Battery Storage as part of your carbon reduction strategy

EnergyForce can guide you through the maze of options available, helping you to create a future proof solution.

Remote Monitoring

Although most Electric Vehicle charging, Battery and Solar PV solutions are relatively easy to maintain, EnergyForce always recommend the use of remote monitoring.

Our innovation software allows us to track energy usage, maximise efficiency and balance energy loading, ensuring you get trouble free ownership with a maximum return on investment.



- Track energy usage per charging unit and per user
- Balance the energy load
- Measure performance, output and availability
- Integrate with Solar PV and track ROI



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Charging Solutions



EnergyForce offers the full range of Electric Vehicle (EV) charging options, from a wide range of manufacturers. In addition, we also offer a range of monitoring systems, allowing you and EnergyForce to track performance.

Although there are other criteria to consider when looking at charging units, you typically have 3 main options:

Fast Charging

Fast chargers include those that deliver power from up to 22 kW, typically delivering a full charge in 3-4 hours.

These units are generally lower cost, but may not be suitable for larger Dealerships where turnaround and capacity are important.

Rapid Charging

Suitable for most current applications, Rapid chargers typically offer up to 50 kW DC charging.

Increasingly the workhorse of charging stations, they provide higher power and flexibility, with a charging time of typically 1 hour.

Ultra Rapid Charging

Designed for both the current and next generation of electric vehicles, these units offer up to 150kW. However, the range can extend up to 350kW.

These charging units provide a rapid turnaround, and are ideal for premium dealerships selling a broader range of electric vehicles, charging vehicles in under 30 minutes.

EV Enablement Plan

EnergyForce offers a complete Solar PV, Battery Storage or Electric Vehicle turnkey plan.

From our initial feasibility study, based around your current and future needs, we design a solution that will grow with your Dealership. This is critically important, as with any new technology, there is the potential to invest in the wrong equipment, leading to early replacement.

Our expertise in dealing with the Grid Providers, and our status as an Approved Contractor to many, ensures a smooth installation process, with the minimum of disruption and cost.

We offer full support to all of our clients, using a mixture of maintenance plus remote monitoring. This ensures your equipment keeps operating at peak performance, delivering maximum ROI.

- Feasibility Study
- Design
- Liaison with the grid
- Equipment supply and Installation
- Access to our own Open Charge Point Protocol (OCPP) management software
- Maintenance & Remote Monitoring

Q. Is there any funding available to help cover some of the installation costs?

A. EnergyForce is an authorised installer for the Office for Low Emission Vehicles (OLEV) on their Workplace and Homecharge schemes. OLEV can also provide a grant towards part of the installation costs for qualifying projects. Please contact us for further information.

Q. I have been told I do not have enough capacity and the cost of upgrades are unviable, what can I do?

A. This isn't always the case. We have extensive experience in negotiating and reducing low cost capacity upgrades. In addition, we might also be able to use dynamic load balancing, storage and additional generation solutions to deliver your project.

Q. Why EnergyForce?

A. We offer the complete end to end solution, from consultation, through to years of experience, a broad range of options, plus a proven track record of delivering high quality cost saving solutions.

Our EV enablement process helps your business exploit this new market opportunity, keeping you up to date with industry announcements, training staff members and supporting your customers with home charging equipment.

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