

Energy Storage

Boyd Brothers are a very successful 3rd generation family business. As an electrical contractor our business was founded by John Boyd in 1967. Over the last 53 years we have gained a wealth of experience and knowledge and remain true to the values and work ethic of our Grandfather John Boyd.

The last 10 years has seen Ian, John and Stephen Boyd invest our wealth of expertise and extensive electrical knowledge in what was at the time, a very new Electric Vehicle (EV) Infrastructure sector. With over 1,000 installation projects under our belt, we are recognised as one of the UK's leading EV specialists. Managing projects from initial concept and design, through to planning, full construction and ultimate sign off. We have installed over 200 rapid chargers and are responsible for over 2,000 charge points installations throughout the UK.

With the introduction of larger smart hubs including multiple Hi-power and Rapid chargers it has become essential to include Energy Storage into large integrated hub designs, to meet the increased energy demands from site while at the same time supplementing the local grid.

The UK became the first major economy in the world to pass laws to end contribution to global warming by 2050. This has set in place something akin to the industrial revolution and a race to embrace an infrastructure powered by electricity with the removal and our heavy reliance on fossil fuel-based energy.

This brought significant challenges around implementation, as the change of direction and the resulting timescale for grid infrastructure upgrades are not aligned. As a result, a whole new industry was founded on Energy Storage requirements. Numerous projects and solutions have been piloted around the UK developing innovative Energy Storage technologies, meeting the changing demands for electricity as the source power and supplementing the grid, where energy needs fall short of site and project requirements.



Dundee City Council – UK's First / Award winning integrated hub (see Dundee City Council – Case Study, for additional information)

In its simplest form Energy storage is the capture of energy produced at one time for use at another time. The device which stores energy is generally called an accumulator or battery. Energy storage can be generated directly from mains electricity grid power at off-peak times, resulting in lower costs to store the energy which can also be generated from renewable sources such as Wind and Solar Photovoltaic.

As a result of the numerous large EV hub infrastructures we have constructed, we are frequently involved in projects requiring EV and Energy Storage to meet the infrastructure needs for multiple Hi-power and Rapid chargers. Boyd Brothers work in conjunction with our Energy Storage partners to offer a variety of solutions to meet specific site needs. As every project and site is different it is critical to design a tailored EV and Energy Storage design which accommodates the specific project and site requirements.

We look forward to discussing your own infrastructure requirements and provide recommendations based on a wealth of expertise and knowledge gained from many years specialising in the EV Energy sector.

Please feel free to give us a call on 01501 770455 or send a request to enquiries@boydbrothers.co.uk We look forward to the opportunity to work with you and help you deliver your EV infrastructure vision.