

Green Power Delivery

**Delivering *Green
Energy* To Your
Door using a
Mobile & Flexible
Solution**

The Importance of Battery Storage

Clean, renewable energy sources are needed to help create a sustainable society. They must displace our current dependence on more problematic sources of power such as oil & natural gas. The trouble with such renewable power sources is that they might not be produced at the time when most needed—during periods of peak energy demand. The creation of energy from such sources depends on environmental conditions. Wind energy is harnessed when it is windy and solar energy creation is dependent on sunlight.

Such challenges require a storage solution such as lithium-ion batteries. They enable renewable energy generation to be stored until required.

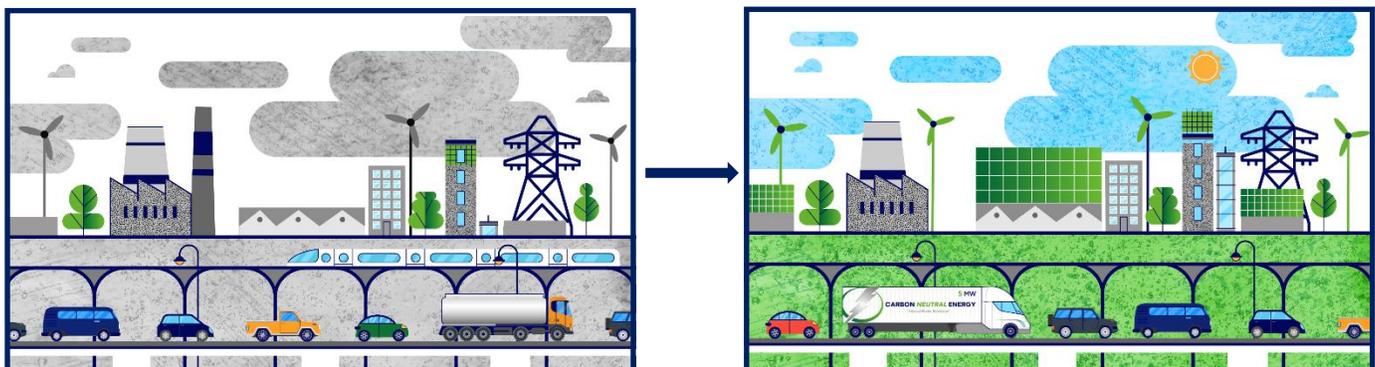
Government Backing

The government has announced it will relax planning legislation to make it easier to construct large batteries to store renewable energy from solar and wind farms across the UK.

Removing barriers for energy storage projects, which are discouraging bolder investment decisions in larger battery facilities, could treble the number of batteries serving the electricity grid. It will help bring about storage cells that are 5 times bigger than those currently available.

The UK has the largest installed capacity of offshore wind in the world; however, because the availability and speed of wind is not constant, energy can sometimes be produced when it is not needed & then lost.

Energy storage has played a key role in balancing the UK's electricity system during the 20% drop in demand during the COVID-19 pandemic, ensuring what was produced was used efficiently.



Energy Storage Solution

CNE have developed a mobile solution to deliver green energy directly from renewable sources, such as the wind turbine. These electric driven mobile units are similar to our current petrol tanker that tops up petrol stations. Providing the time of green power transportation, will help reduce the grids capacity and support remote location where connecting to the grid can be costly & difficult. A number of applications can be used to enhance the delivery of electric to the UK infrastructure by the use of this unique application.

CNE has designed a bespoke charger system, called the **eGen-C**, to interface with multiple power sources allowing power to be taken from green sources & conventional grid connections.

The portability of the **ESS** is the crucial aspect in delivering clean energy to end-users.

eGen-C can be installed at wind-farms or other green power sources & can also be installed directly into the grid.

With a long term agreement in place for the supply of green wind power for the North East of Scotland & working with a number of other green power suppliers throughout the UK, **CNE** is able to supply power at 30% less than current grid costs, thus allowing customer to re-sell the power to the end user at a reasonable rate.

CNE's wind agreement & unique modular design can provide crucial back up power &, or, to support traditional grid power when required.

