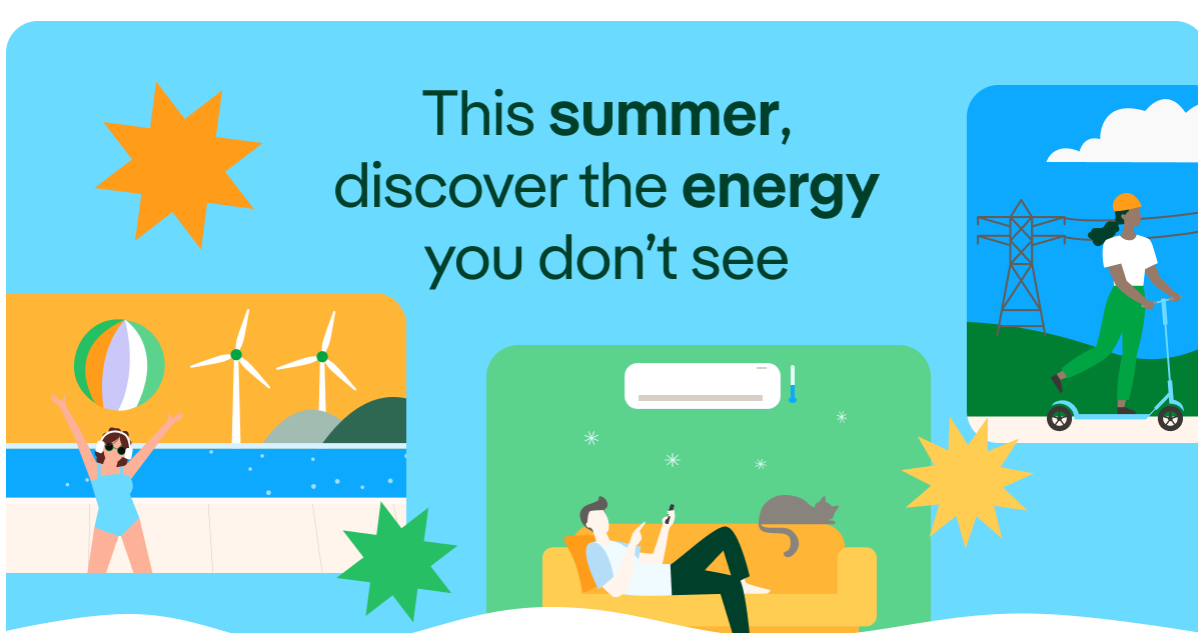




Hello:

For many of us, summer has already been in full swing for several weeks. It's a time to relax, travel and switch off. Yet while our routines and energy use change, **the electricity network is still working behind the scenes** to ensure everything runs smoothly.

Because behind everyday actions like switching on the air conditioning, charging an electric scooter or listening to music, there are **technologies and infrastructure that we rarely see** but which ensure [electricity](#) reaches us wherever and whenever we need it.

This summer, we'd like to take you behind the scenes of some of these essential solutions!

What we don't see...

Discover the "invisible" infrastructure that brings us electricity.

[Submarine power cables: essential for global interconnection](#)



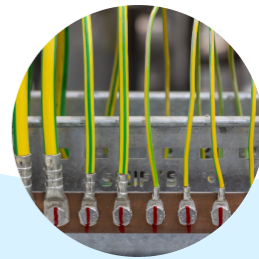
Did you know that millions of kilometres of power cables run beneath oceans around the world, **enabling instant connections between continents, businesses and people?**



[What is an electrical substation and how does it work?](#)

Electricity substations are the discreet "gateways" that **receive, transform and distribute electricity** so it can be delivered safely to homes and businesses.

[Why earthing is so important](#)



Green wire or blue wire? The earth wire is one of the least recognised parts of an electrical installation, yet one of the most important. Knowing how to identify it is essential for **avoiding wiring errors and spotting potential problems**.

Energy at home

Technologies that are becoming part of everyday life.



[Distributed generation: types and benefits](#)

Electricity is no longer generated only at large power plants. Solar panels, small-scale renewable installations and batteries allow **energy to be produced much closer to where it is consumed**, enabling us to become "prosumers".



[Aerothermal energy, a sustainable and efficient option](#)

Air source heat pumps harness **energy from the air** to heat and cool homes efficiently while reducing emissions. Heating in winter, cooling in summer and hot water all year round – with a single technology!

The future is already here

Innovations that are transforming the way we use energy.



[What is V2G technology?](#)

What if your electric vehicle could do much more than transport people? Vehicle-to-grid (V2G) technology allows **EV batteries to feed electricity back into the grid** when needed, helping create a more flexible electricity system.



[Standalone batteries for greater energy independence](#)

Renewable energy depends on resources such as sunshine and wind, which are not always available. Energy storage systems make it possible to store electricity and use it when it is needed, bringing **greater flexibility and resilience** to the electricity system.

Want to discover even more about the world of **energy**?



Power Up!

