

ROOFTOP SOLAR IN THE UK

NET ZERO TARGETS...

The race to Net Zero is driven by global and national initiatives

NET ZERO 2050

The Paris Agreement targets a climate neutral world by 2050*2



Global emissions need to be reduced by 45% by 2030*2



UK's target aims to reduce economy-wide greenhouse gas emissions by at least 68% by 2030 on 1990 levels*1

100% ZERO CARBON

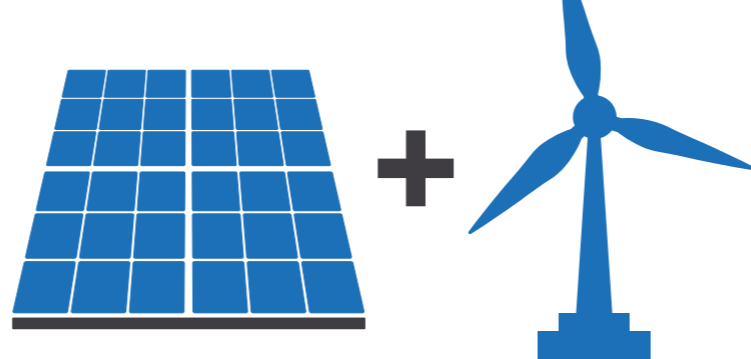
UK government has set energy providers a target for all electricity to come from 100% zero-carbon generation by 2035*5

GREEN ENERGY LANDSCAPE...

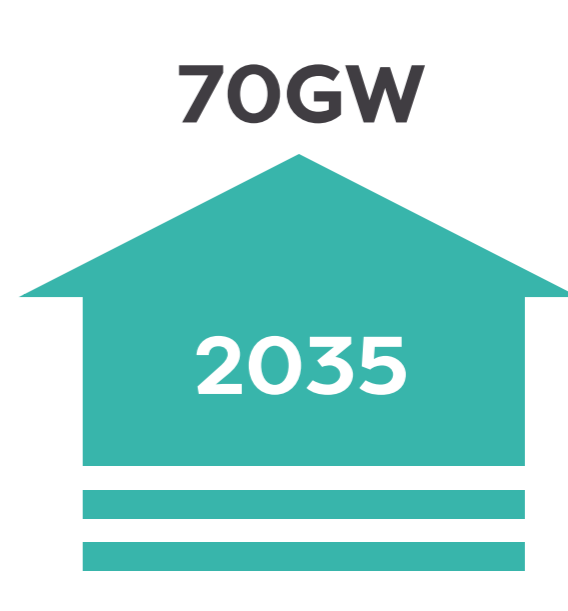
UK Government targets and incentives have been used to drive change towards a sustainable future



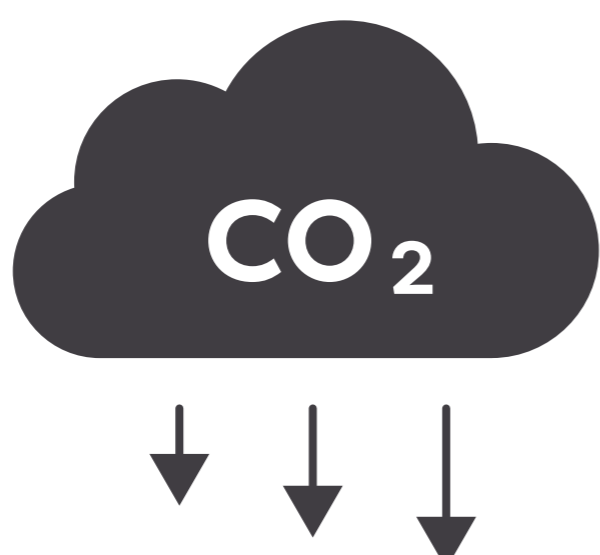
Electrification of heating using renewable energy sources will be a critical part of reaching Net Zero by 2050



A combination of solar and wind generation would achieve a low-cost, net-zero consistent electricity system for the UK



Solar Energy UK is working to treble the UK solar capacity to 70GW by 2035*4



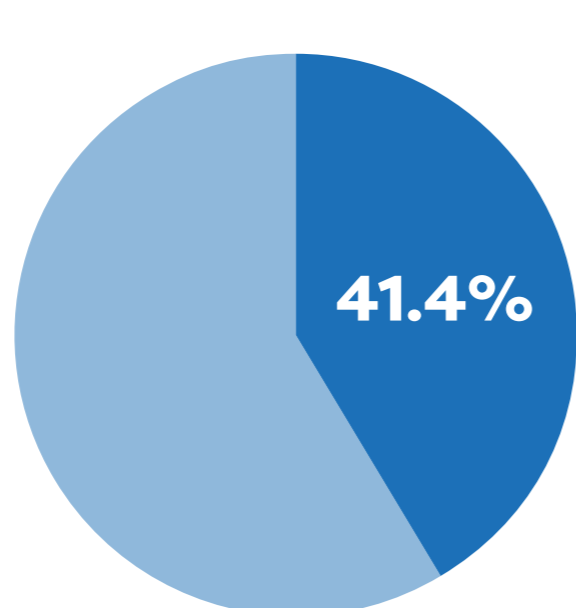
95% of Great Britain's electricity set to be low carbon by 2030*1



The UK is targeting 95% of electricity generation from low carbon sources by 2030, rising to 100% by 2035*1

THE COST...

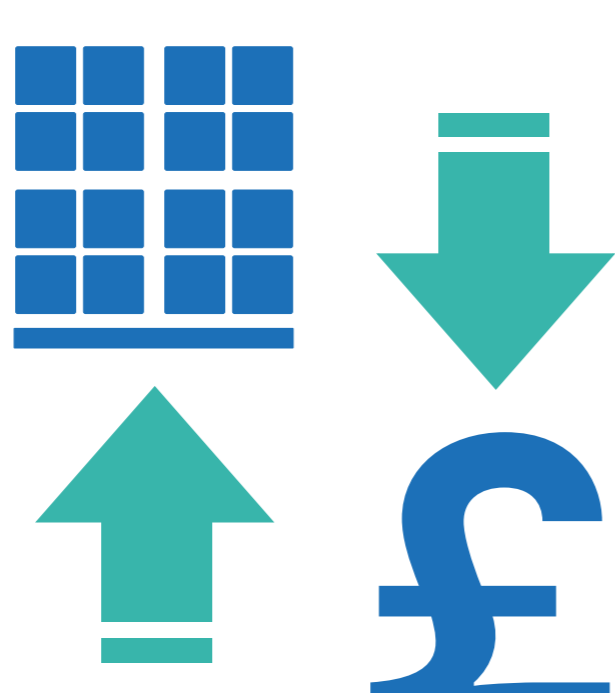
As the uptake of renewable energy increases, there has been a significant reduction in the cost of solar installation



Renewables' share of electricity generation is currently at 41.4%*1



Solar power is the cheapest and most popular energy technology – and the fastest to build*6



As demand for solar panels increases globally, prices are actually decreasing dramatically*6



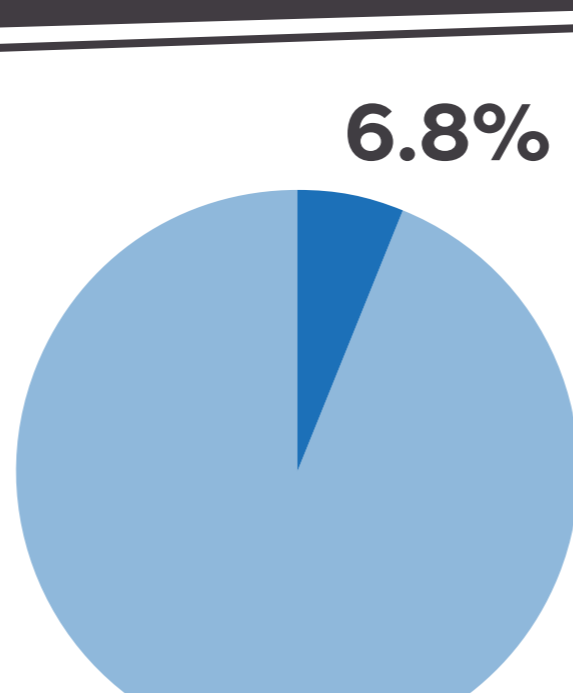
Residential roof top solar panels are now less than 50% the price they were a decade ago*1

THE UK'S POSITION...

Despite continual growth in solar energy adoption, further progress must be made to meet Net Zero milestones



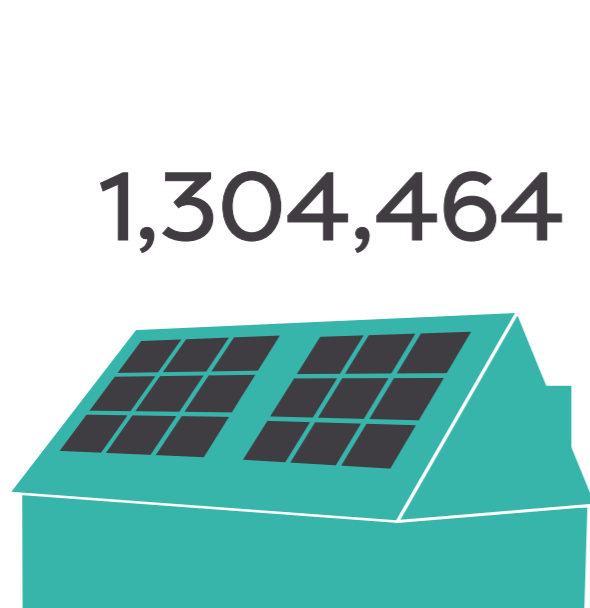
Solar power is currently the third most generated renewable energy in the UK, after wind and biomass*7



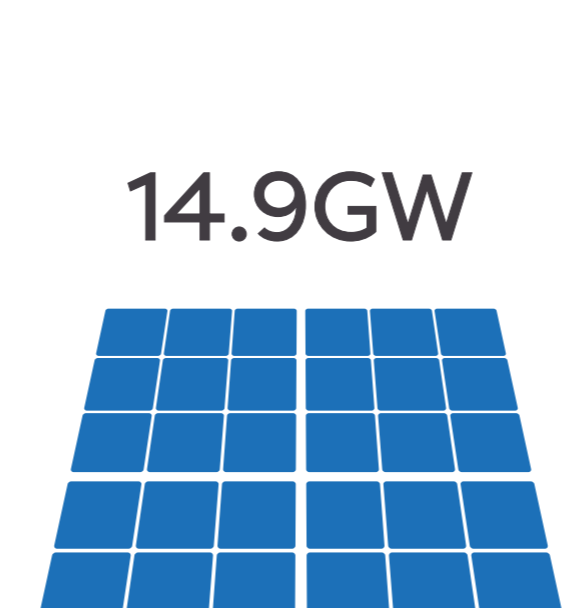
Solar currently accounts for 6.8% of the renewable energy share of electricity generation*6



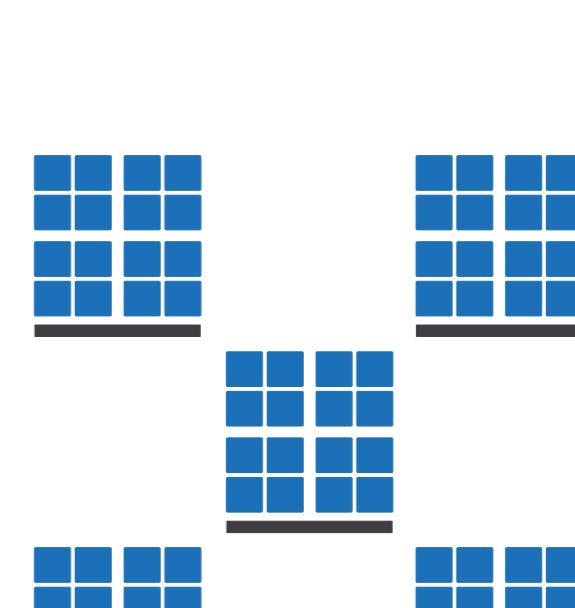
Currently 1 in 25 buildings in the UK have solar panels installed*4



1,304,464
1,259,713 Installations across the UK, as of the end of March 2023*1



14.9GW
14.3 GW installed UK solar capacity, as of the end of April 2023*1



Solar capacity could grow up to 5 times by 2035, particularly on domestic and commercial rooftops*1

SOURCES
*1gov.uk, *2un.org, **carbonbrief.org, **solarenergyuk.org, **nationalgrid.com, **theecoexperts.co.uk, **theswitch.co.uk