



Mobile enabling net zero energy

gsma.com/betterfuture/climate

To achieve net zero by **2050** we have to

halve

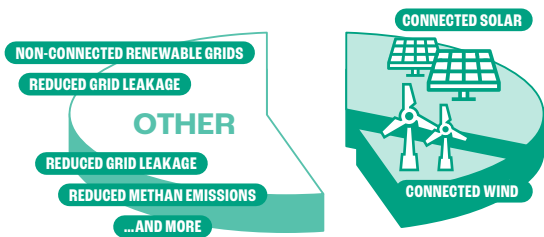
the emissions of the energy sector by **2030**

This is **9 GIGATONNES** of CO₂ emissions

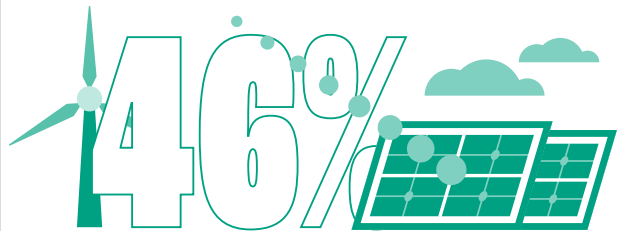


the same as taking **2 BILLION** cars off the road for a year

How much of the 9 GT CO₂ reduction by 2030 in the power sector will come from...?



...connected wind and solar power will enable



of the reduction needed in CO₂ emissions by 2030

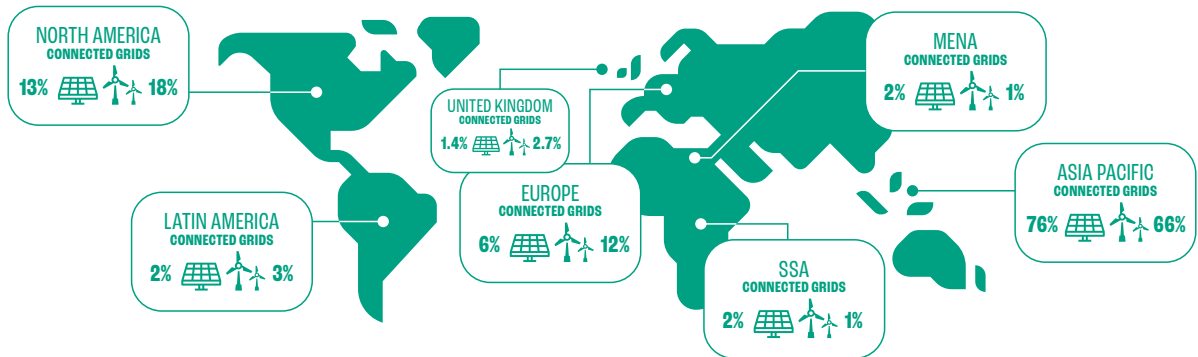


...this equates to around



coal power plants being decommissioned globally by 2030

Regional splits of CO₂ emission reductions, 2020-30



Why connected grids are better...

1 They outperform legacy distribution technology by balancing supply and demand in real time

2 They monitor energy flows to/from grid users to evenly distribute where required in a country

3 They reduce reliance on legacy fossil fuel infrastructure eg, coal, which can increase carbon emissions

4 They improve grid resilience and mitigate risk of blackouts and brownouts