

The dual challenge in transport



The world faces a dual challenge: more energy with fewer emissions



Today transport accounts for **25%** of global greenhouse gas emissions

BP projections on transport by 2040 based on current trends

Demand for transport service doubles



From **1bn** cars today to **2bn** in 2040

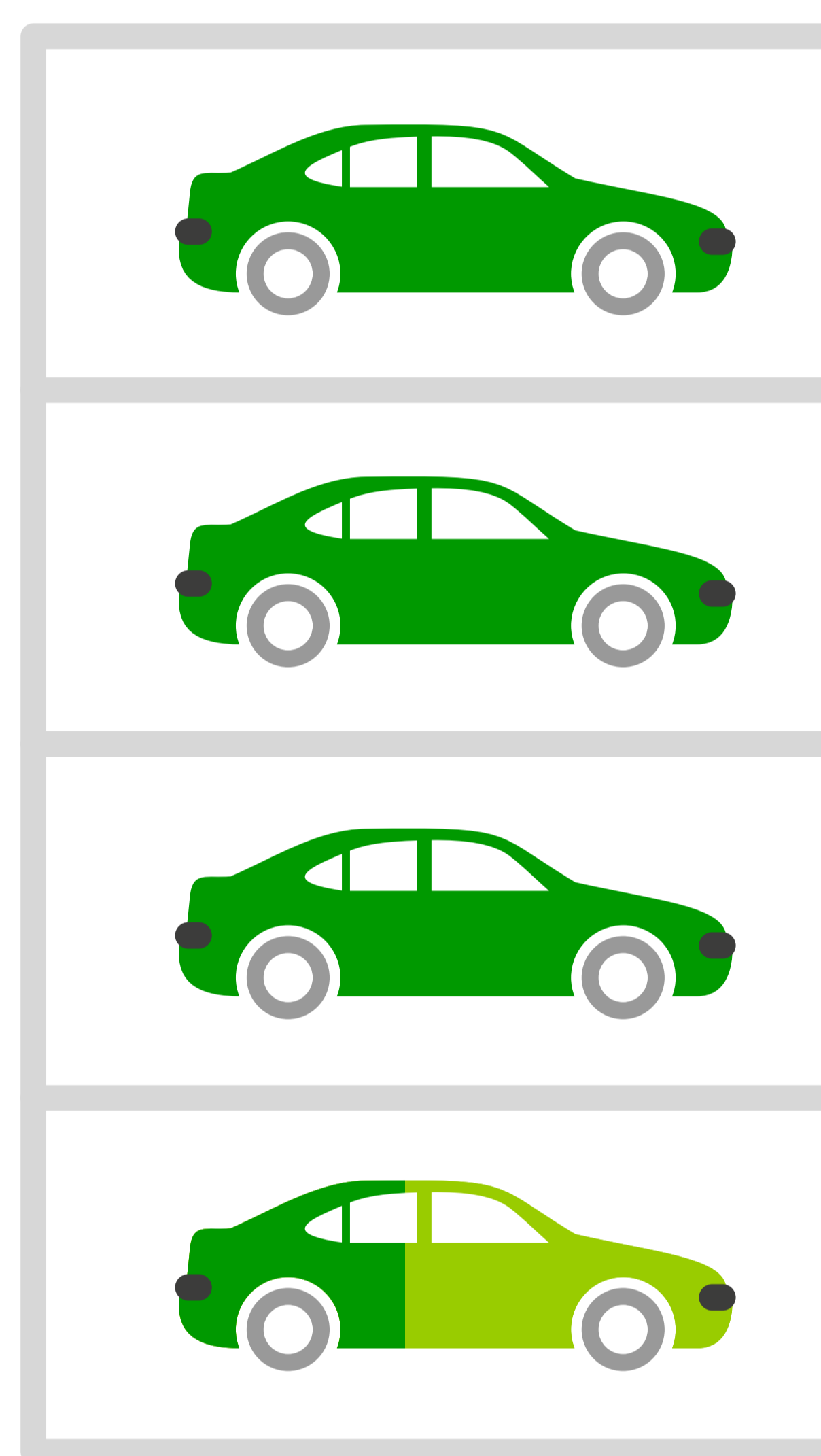


Every opportunity to decarbonize transport must be considered

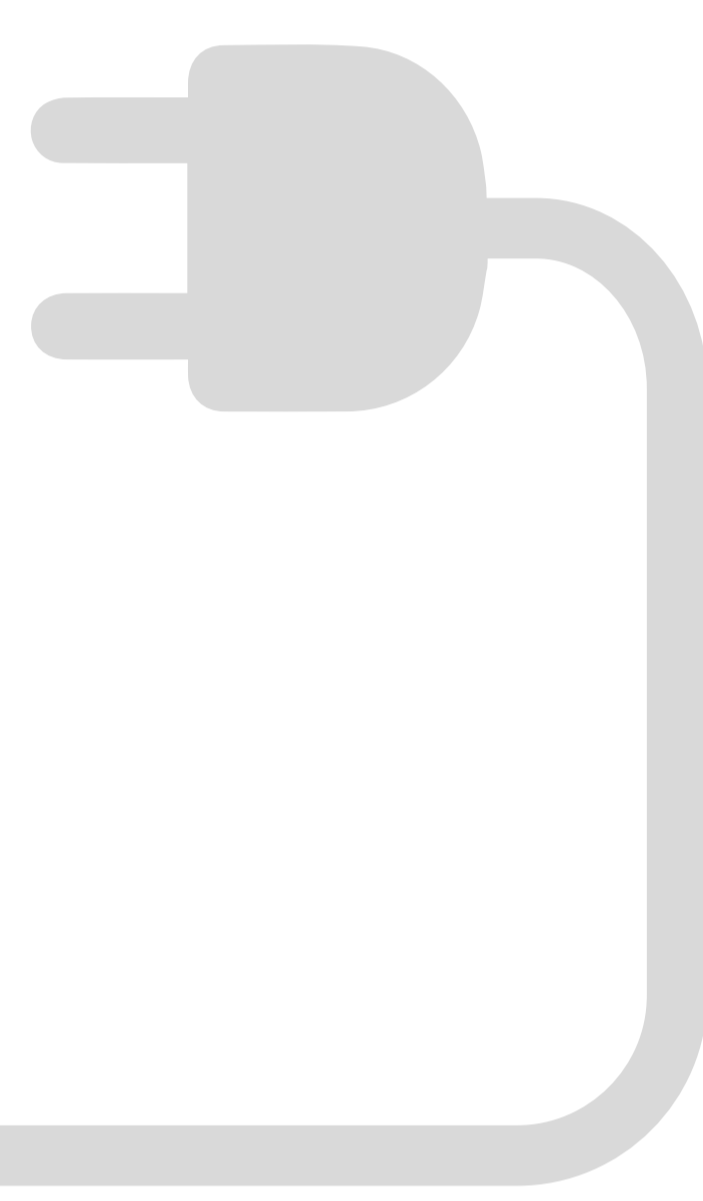
Cleaner fuels and lubricants



In 2040 **85%** cars are still ICE



Electric



Vehicles grow from **4m** today to **350m** in 2040

Gas



Biofuels

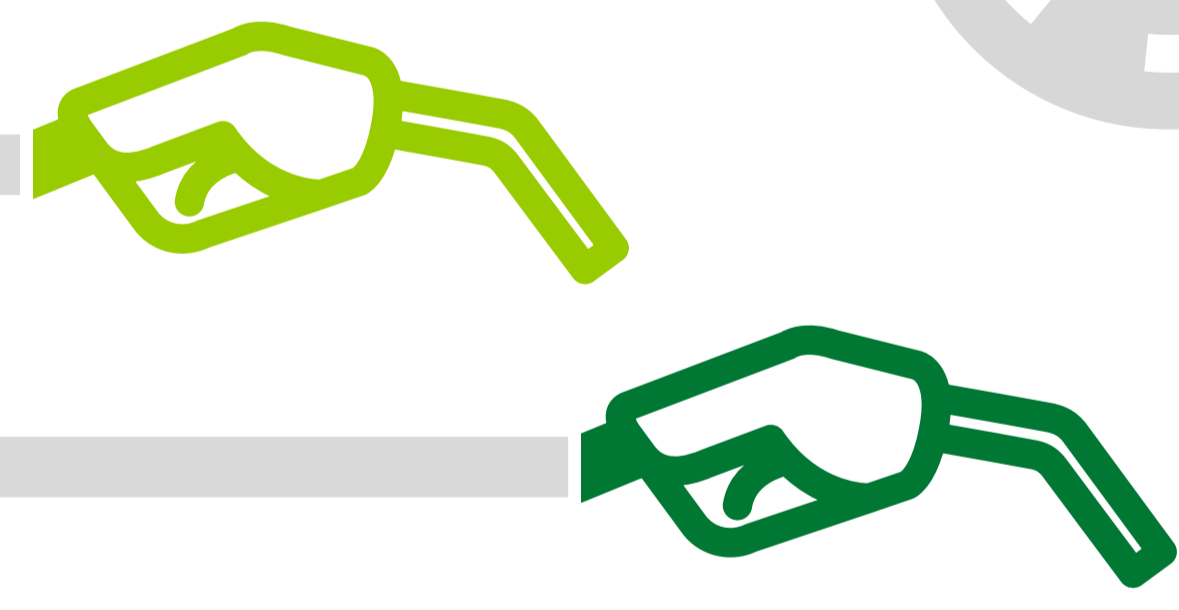


Biofuels to provide around **5%** of transport demand by 2040



In sectors such as aviation, marine and heavy goods vehicles, biofuels are one of the most likely ways to decarbonize

But, cleaner fuels and lubricants contribute to **50%** increase in ICE efficiency



Gas to provide around **5%** of transport demand by 2040

Gas in transport could suit applications such as heavy goods vehicles or marine use where electrification is difficult

5% improvement in the average efficiency of new ICEs would lead to an annual reduction in CO2 emissions of **1.8M** tonnes

Equivalent to **1M** x

Lighter vehicles electrify first



Some transport sectors harder to electrify than others



Invest in cleaner fuels and lubricants



Keep investing in EV infrastructure and technology (i.e. ultra-fast charging)



Recognize gas has a role to play in decarbonizing transport

Support sustainable biofuels