



Mobile enabling net zero transport

gsma.com/climate

The transport sector needs to reduce CO₂ emissions by

4.4
GIGATONNES

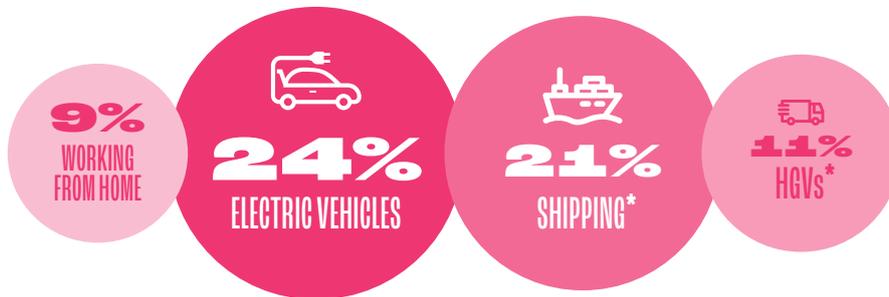
by 2030 to be on a path to net zero by **2050**

The GSMA forecast mobile connectivity can enable



...of the required reduction

this breaks down to...



across the transport sector (by 2030)

*routing and fleet management

Potential emissions savings in these four areas equals*

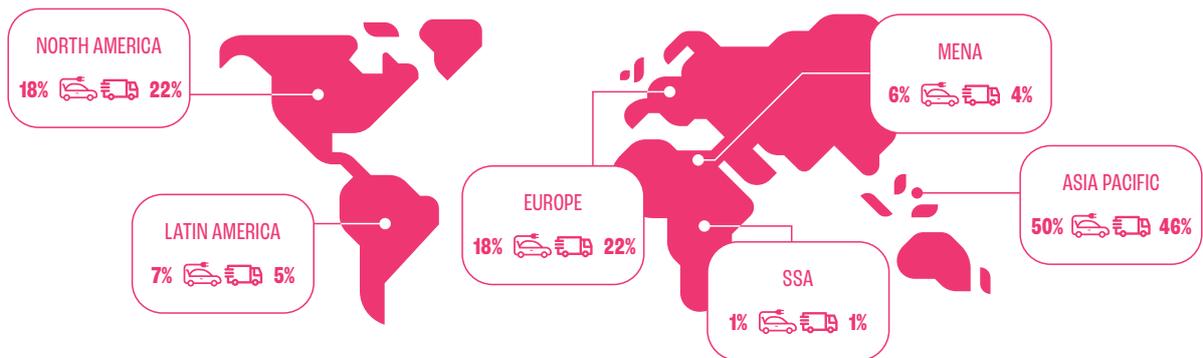
2.8
GIGA
TONNES
of CO₂ by 2030

CO₂ avoidance from the use of connected transport is equivalent to*

2.8
BILLION
FLIGHTS
from New York to Paris

*GSMA forecast

Regional splits of CO₂ emission reductions, enabled by mobile connectivity, 2020-30



How does it all work:

ELECTRIC VEHICLES

Charging stations are enabled by IoT connectivity while on board telematics drive fuel savings.

WORKING FROM HOME

CO₂ savings come from reduction in commuting journeys (especially by cars), which average 15-18km each way

SHIPPING AND PORTS

Fuel savings on shipping journeys, enabled by IoT telematics which optimise routing and port arrival times. Reduced idling time at ports through just-in-time arrival/departure systems with port operators

TRUCKS/HAULAGE

CO₂ reductions from fuel savings in trucks connected with IoT telematics which optimise routing and arrival times at consignment points