

Orange reduces its carbon footprint

Our goal

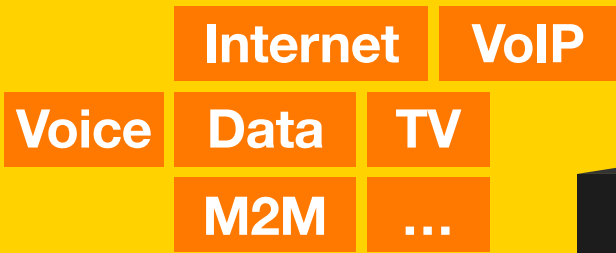
-50% CO₂

emissions by customer use by 2020 (relative to 2006)

deployment of the **circular economy** in our processes



What do we mean by "customer use"?



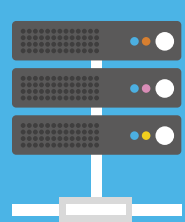
For instance...

Subscribing to a triple play ADSL offer = **3 uses** Internet + VoIP + TV

Subscribing to a mobile 3G plan = **2 uses** Voice + Data

Where do our CO₂ emissions come from?

80% Technical equipment (networks, data centers)



13% Buildings

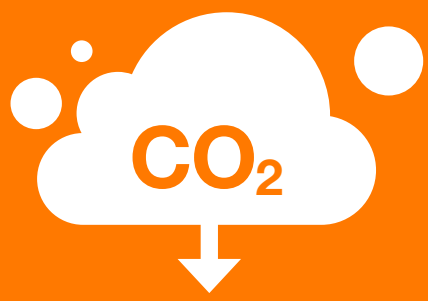


7% Vehicle fleet and business travel



Energy consumption

5,698 GWh



Already **-56%** CO₂ emissions per customer use from 2006 to 2018

Fleet

-34% CO₂ between 2006 and 2018

723 electric and hybrid vehicles

1st European fleet in car-sharing (2,550 vehicles / over 30,000 registered employees)



Business trips

Limit business trips thanks to videoconferencing, teleconferencing and remote collaborative work solutions

2h intercontinental telepresence conference = **20** times less CO₂ than a round-trip plane journey

Buildings

Consumption monitoring

Construction / operation of buildings with high environmental quality standards



Our Green ITN 2020 programme

More energy-efficient IT and networks



Equipment renewal



Network architecture optimisation

Server virtualisation

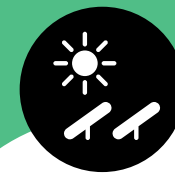


Up to **80%** less energy

Innovative data center climate control



3 times less energy



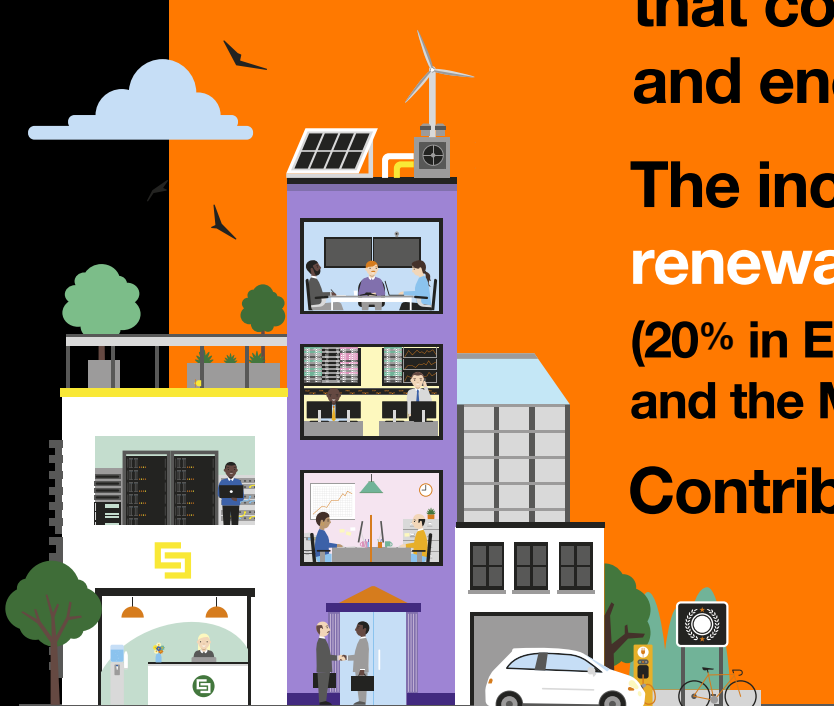
Solar Energy

Over **2,600** solar sites saving 92,000t of CO₂ per year

Solar farm in Jordan

5 TWh of electricity, 260 million liters of fuel and 2.7 million tonnes of CO₂ saved between 2010 and 2018

Tomorrow? To be NetZero Carbon by 2050



New networks that combine power and energy savings

The increasing use of renewable energies (20% in Europe and 35% in Africa and the Middle East by 2025)

Contribution to carbon sinks

The full potential of digital technologies



Individual eco-responsibility

Telepresence, teleworking, telemetering...

Fleet management, smart guidance and parking...

Clean mobility



Smart Cities

Better planning of energy infrastructure thanks to Big Data

Cloud



Mutualising business IT infrastructure