



eurelectric

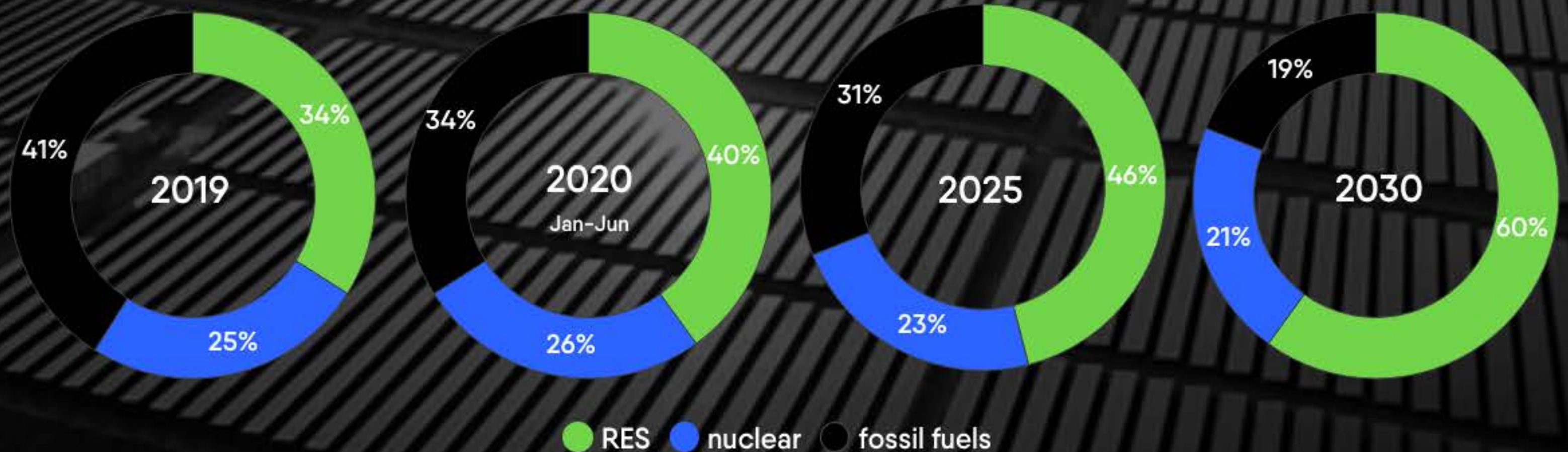
**POWER BAROMETER**

2020 edition

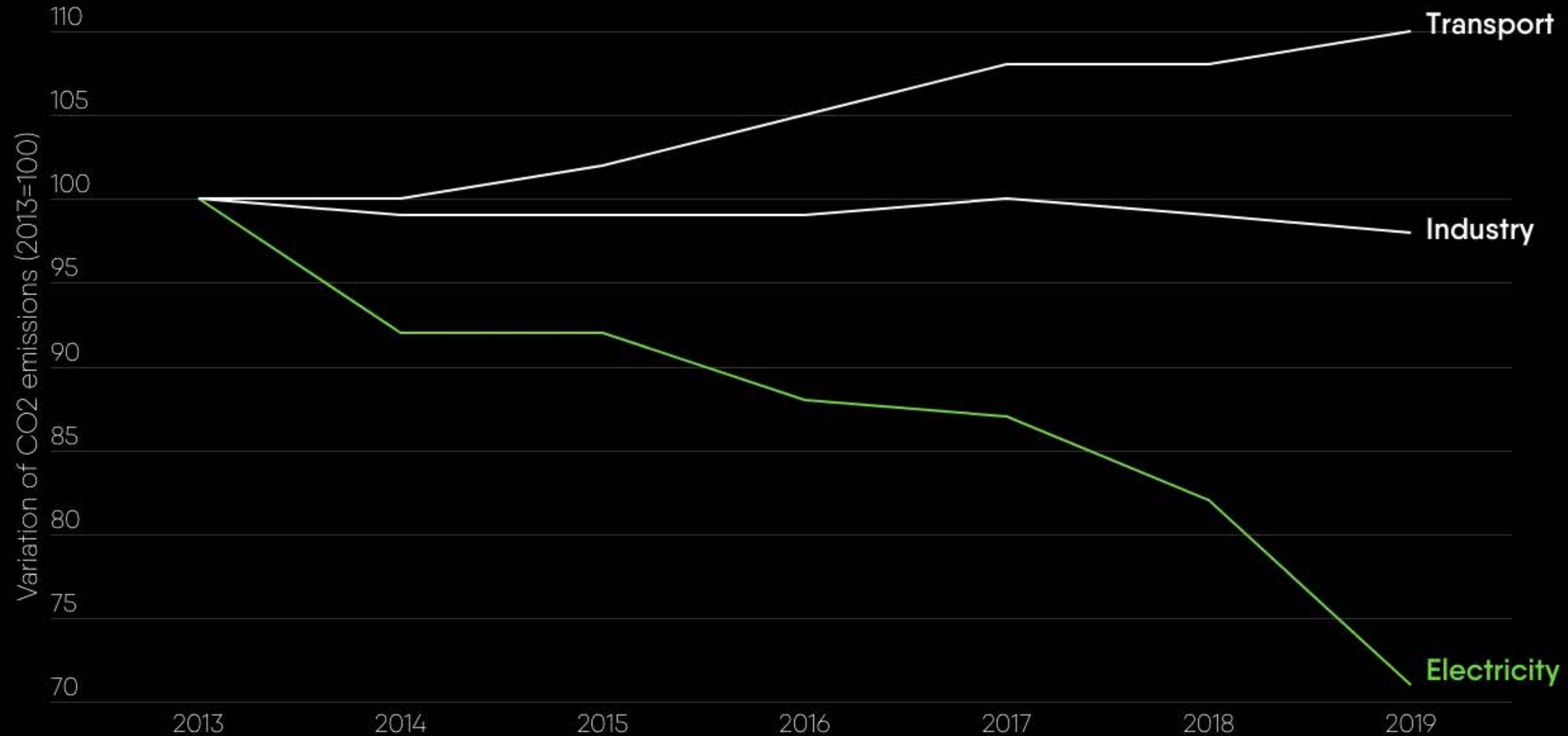


# Electricity speeds up on decarbonisation

## Electricity generation mix



# And becomes **N° 1** in **emissions reduction**



\* Evolution of EU emissions by sector since 2013

# Carbon intensity of electricity generation **drops** rapidly



392

2000

275

2019

158

2030

0

2045

g CO<sub>2</sub>/kWh



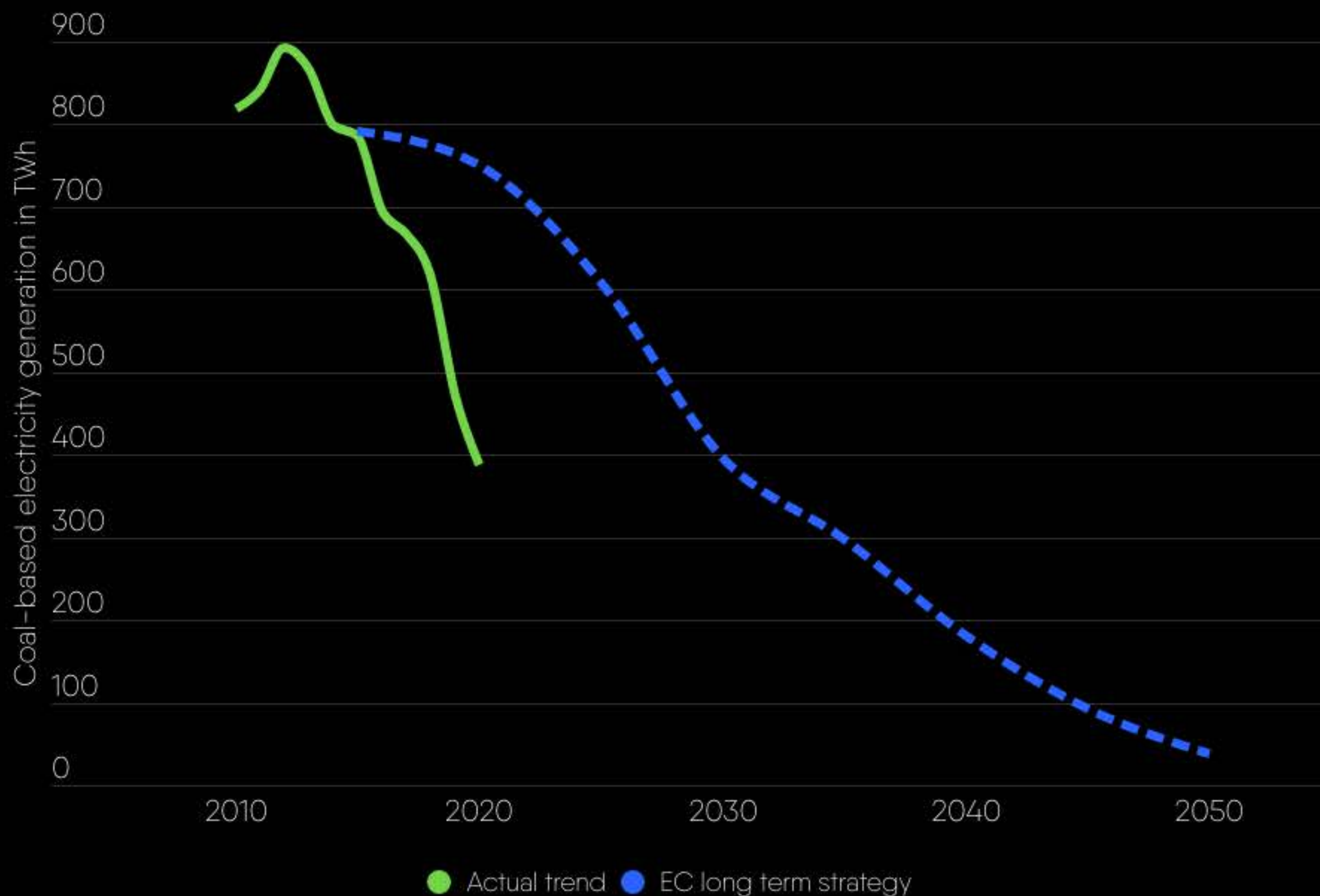
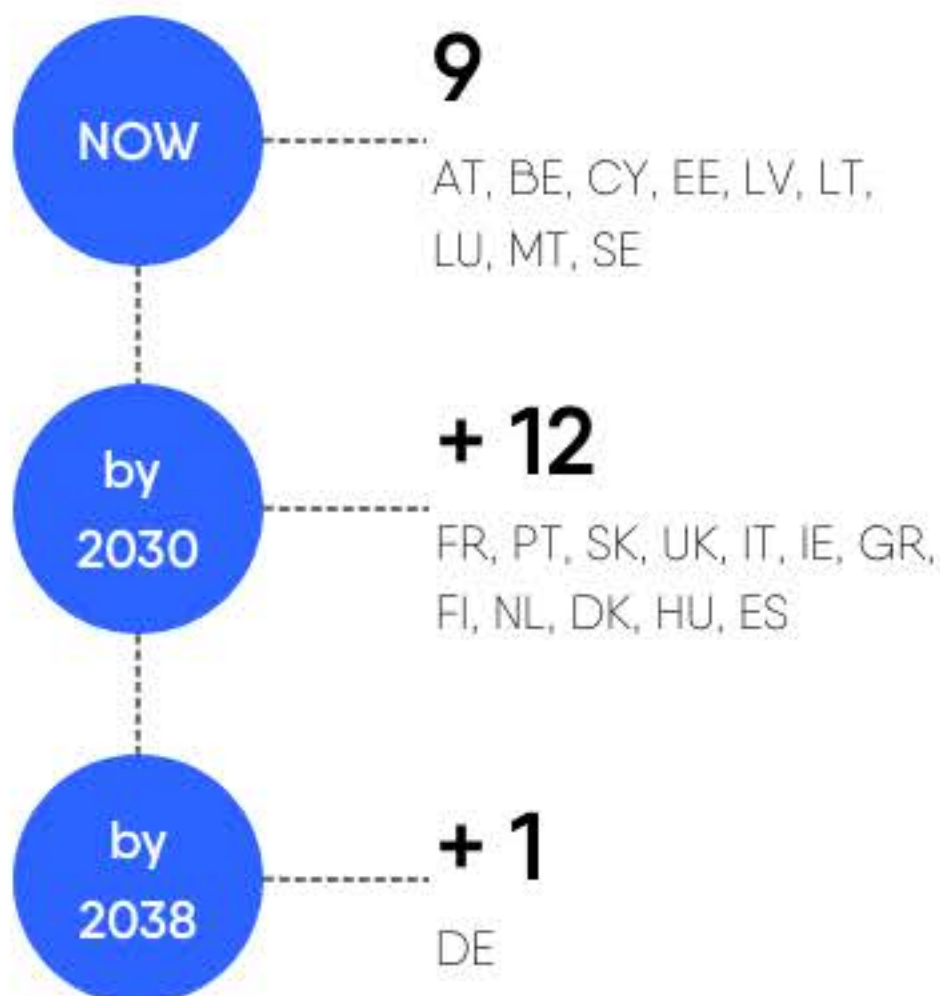
# Coal is on the way out



By 2030:

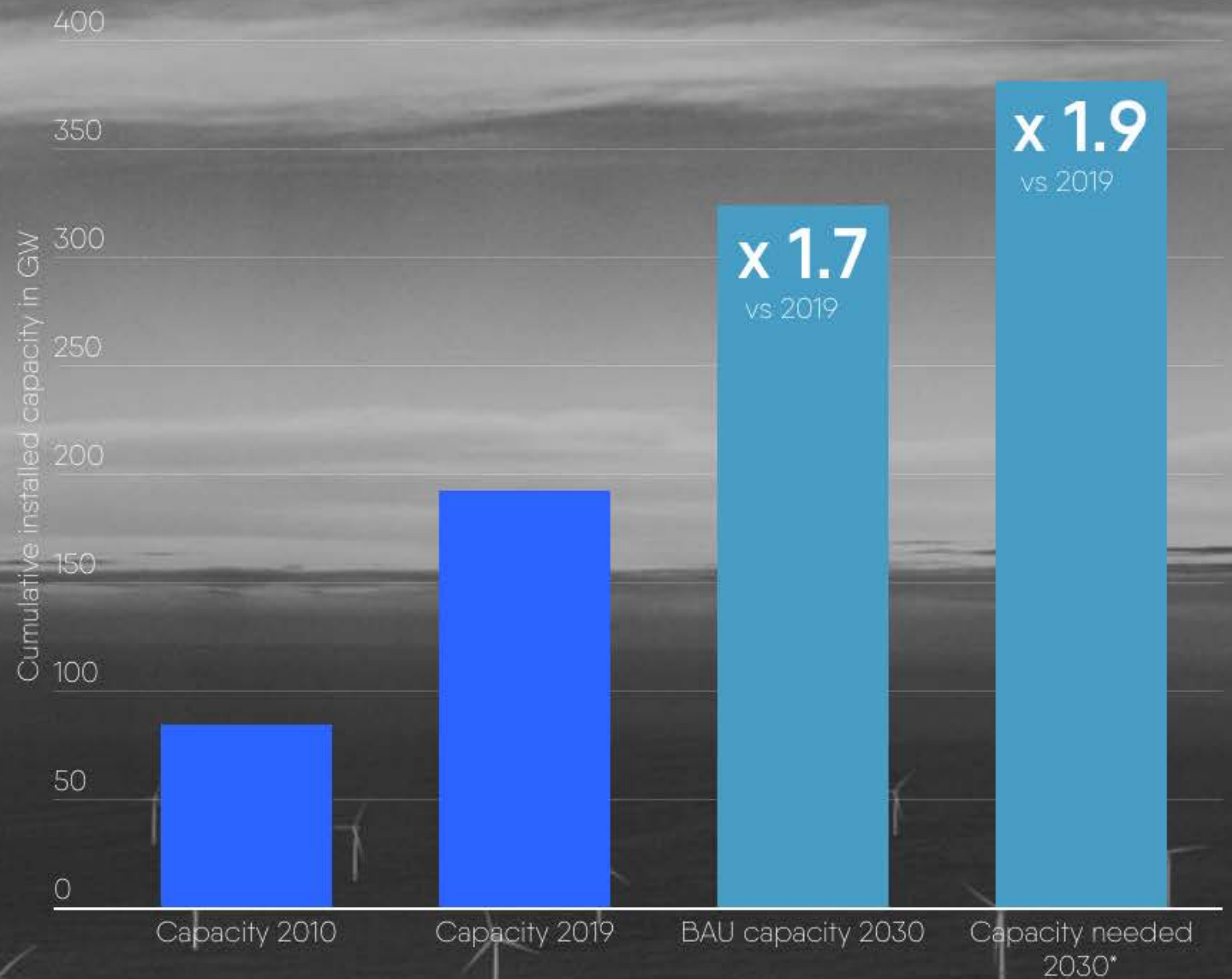
**2/3** of EU coal capacity will be out

Coal free countries

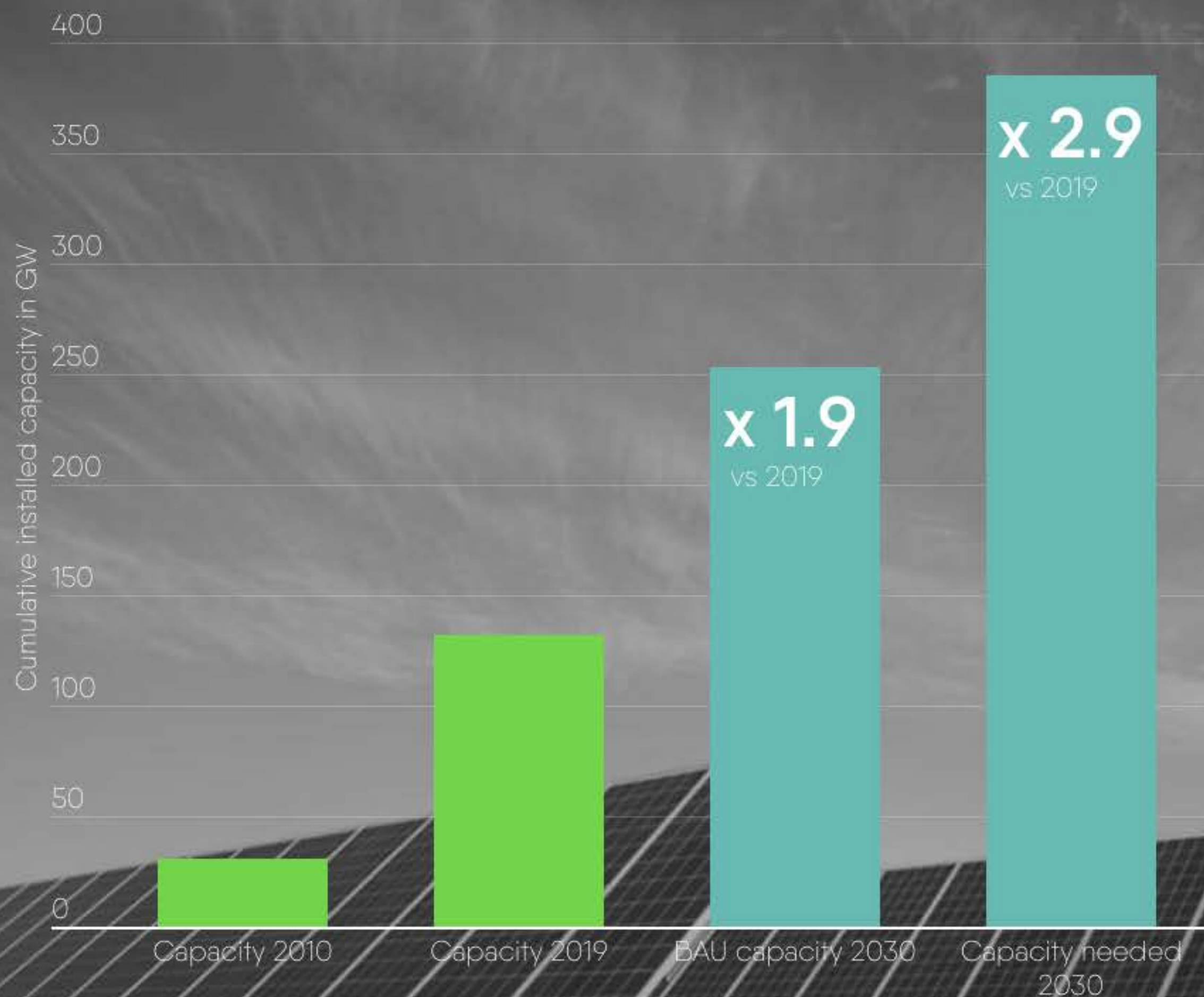




# Deployment in **wind** needs to **grow**



\*Capacity needed to reach 60% renewables  
in the electricity mix (ref. slide 2)



A sharp increase in **solar deployment** is also needed

\*Capacity needed to reach 60% renewables in the electricity mix (ref. slide 2).

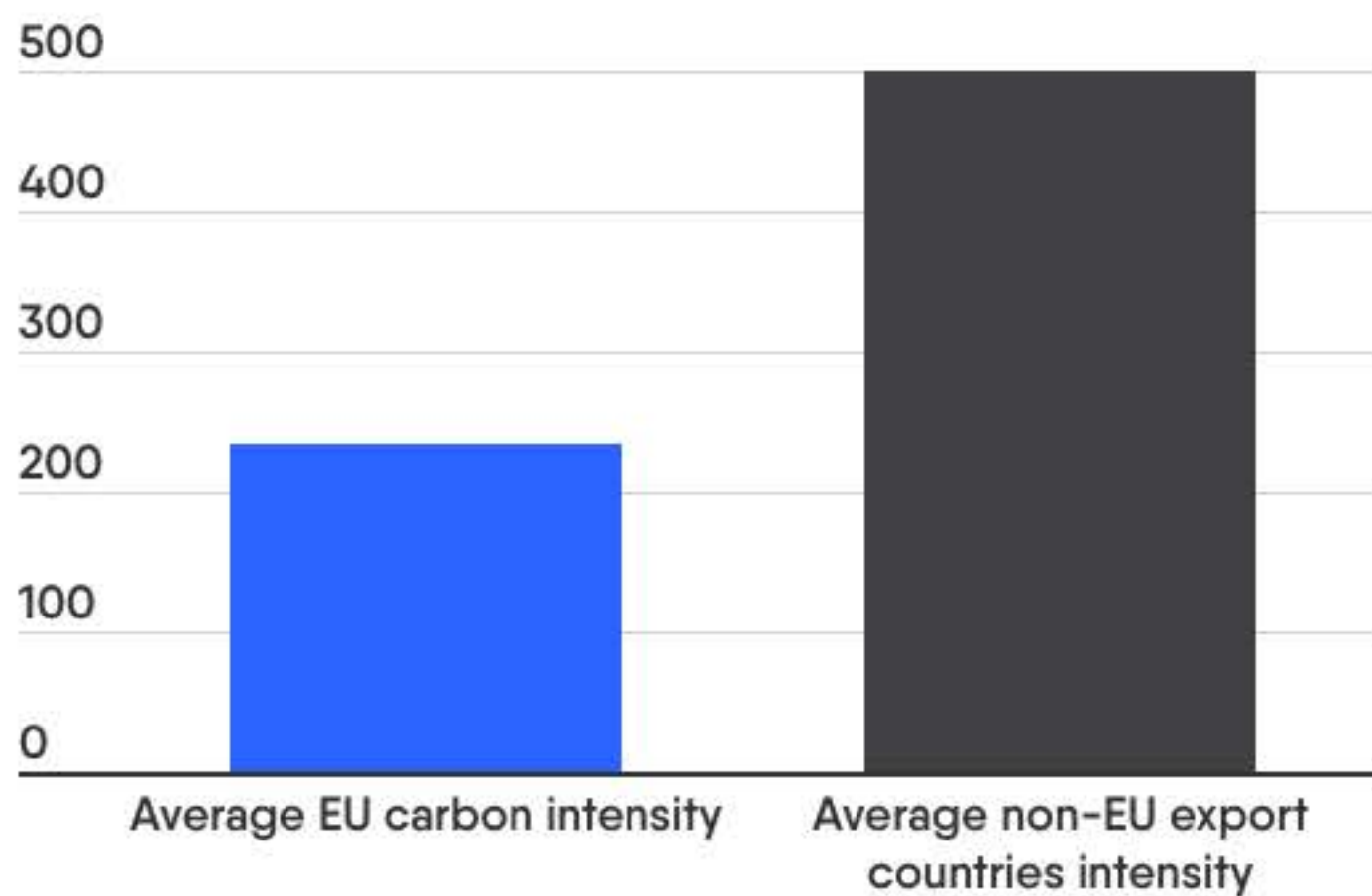


# Dirty imports to the EU are steadily growing

## Net imports

2015: 3.03 TWh

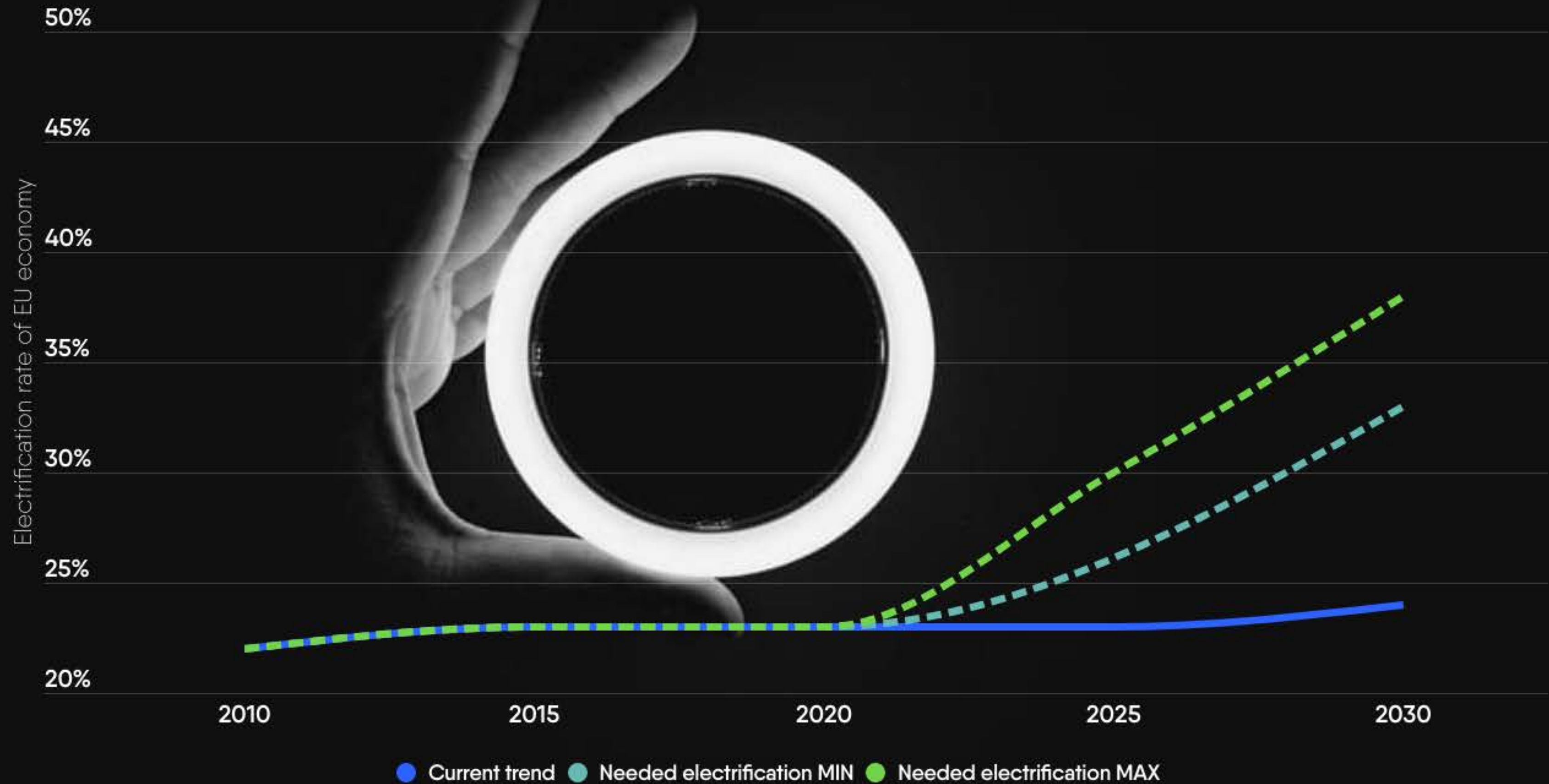
2019: **20.65 TWh**



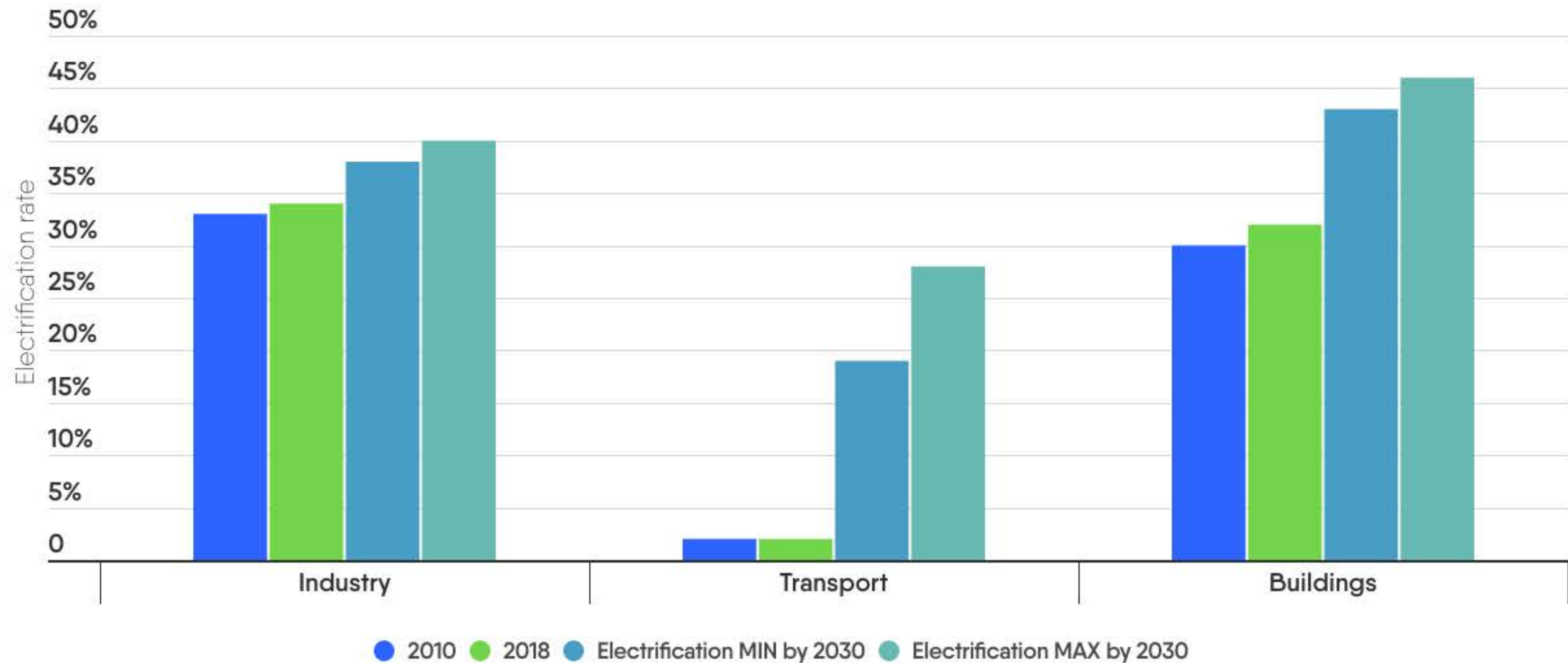
\*average EU carbon intensity for the EU27 + UK



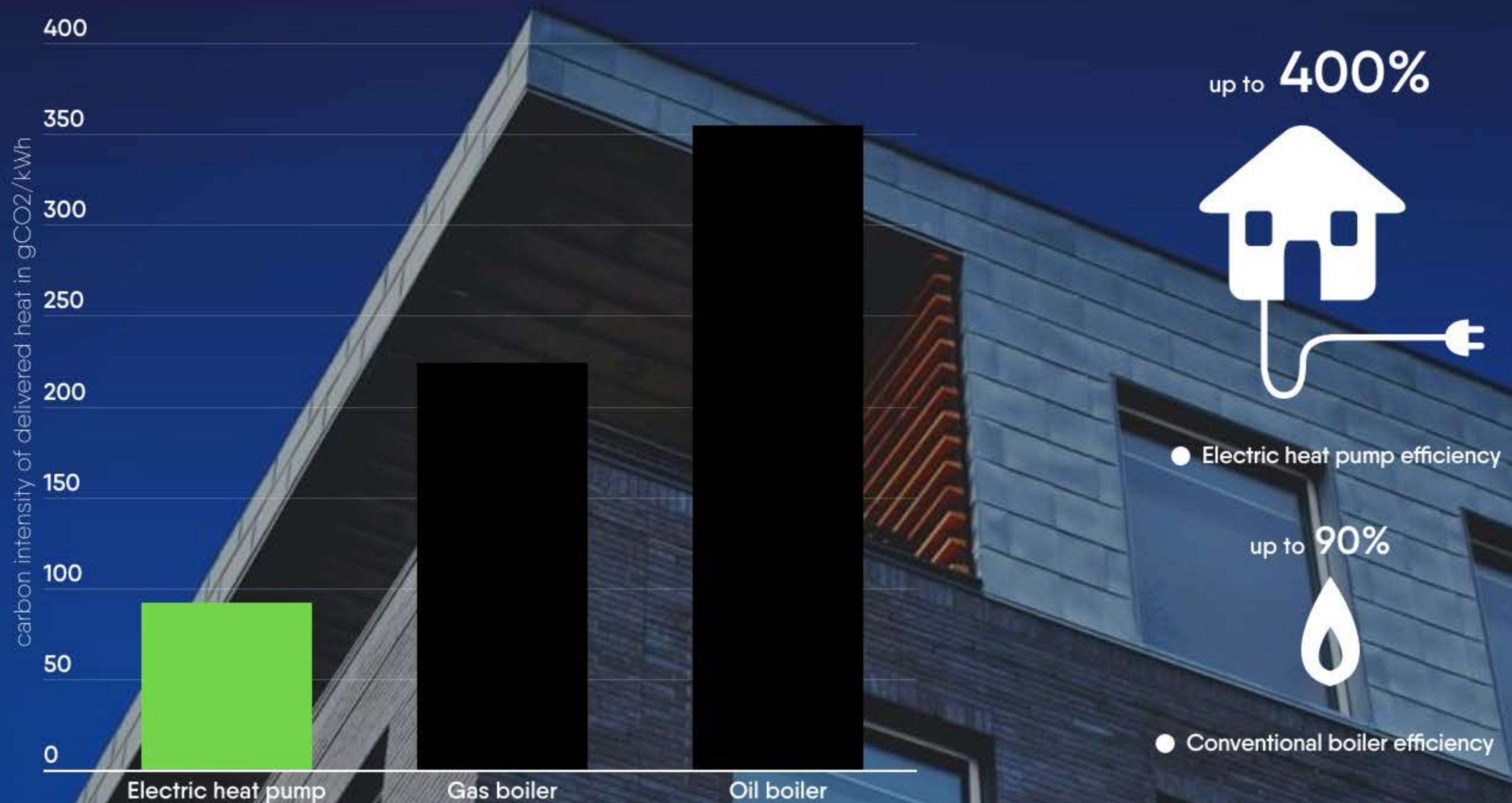
# Faster, deeper **electrification** needed for a **net zero** economy



# The **electrification** potential remains **high**



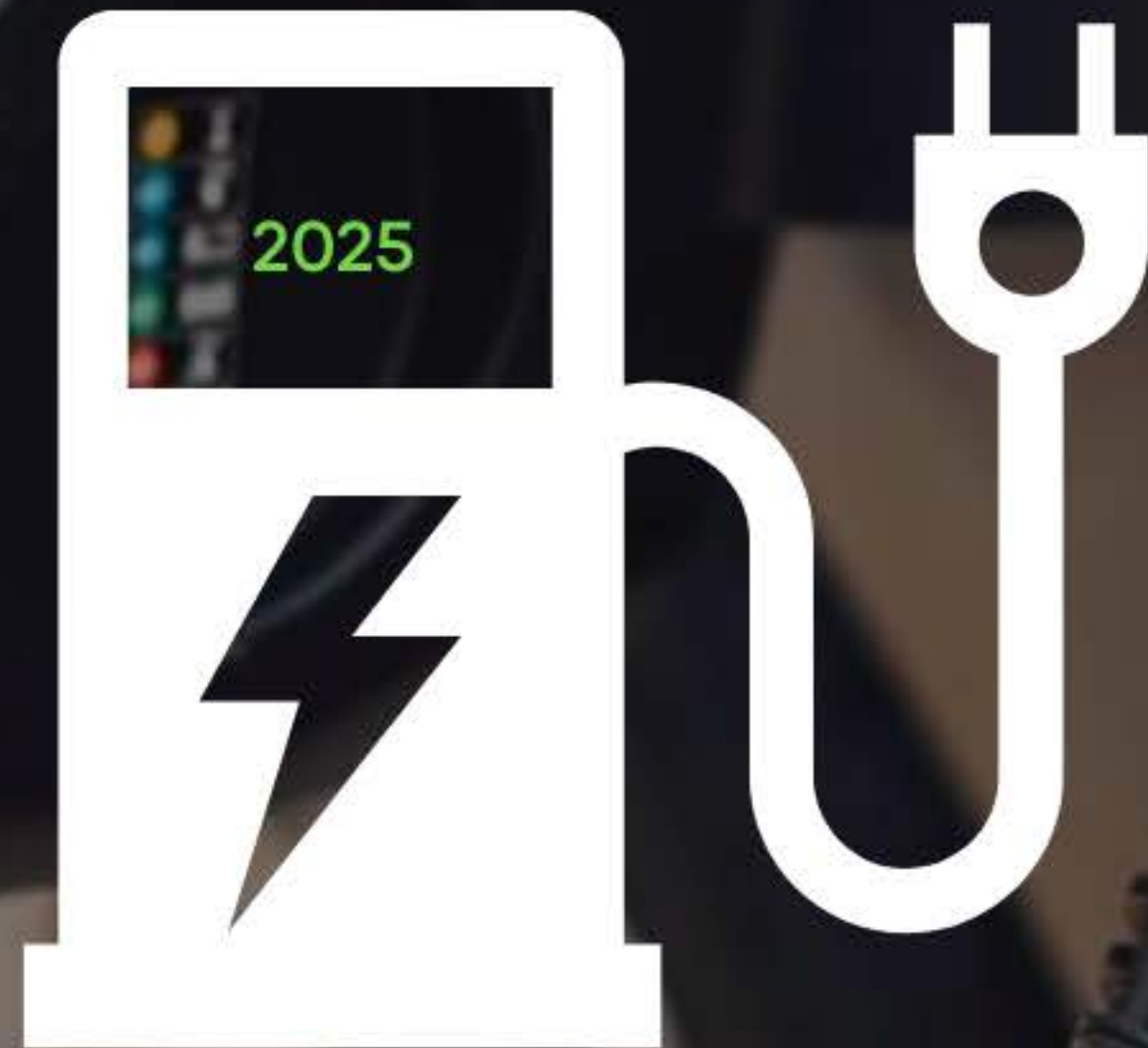
# Heat pumps are **cleaner** and **more efficient**



We need a boost on **charging points'** deployment 



250K



1 M

# Policy recommendations



Remove barriers for further  
renewables deployment

1

Boost the deployment of charging points  
for electric vehicles

2

Accelerate electrification of buildings through  
deployment of individual and industrial heat pumps

3

Create a level playing field with non-EU  
countries to minimise carbon distortion

4

Facilitate grid infrastructure deployment to fully  
enable a flexible and sustainable energy system

5



# Electricity brings value

## The EU power sector...

directly employs  
**970.000**  
persons\* in the EU

contributes  
**€178 bn**  
of the EU GDP\*

has a turnover of  
**€627 bn\***

\*2018 figures