

The Netherlands: What went well – balancing decarbonization with economic growth

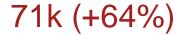
Think Tank Energy Transition – PwC Strategy& March 2025



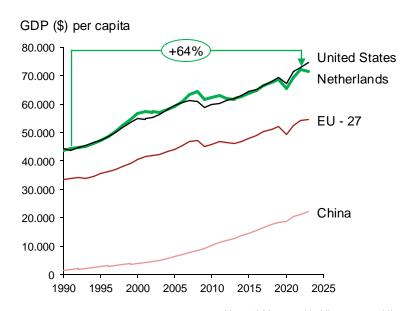
## The Netherlands: What went well – balancing decarbonization with economic excellence



The Dutch economy has achieved impressive GDP per capita growth...



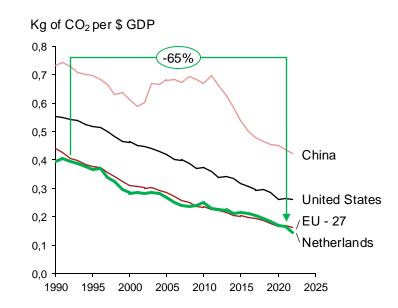
GDP per capita (% change since 1990)





...this growth has been successfully decoupled from carbon emissions...

-65% of emissions per GDP since 1990

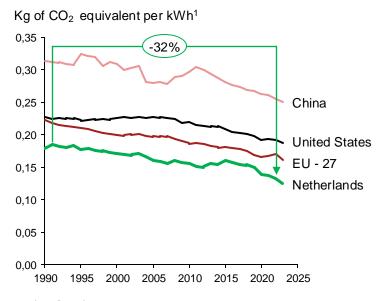




...this decoupling is also visible in the declining carbon intensity of Dutch energy generation

-32%

Emission reduction for energy production (1990)

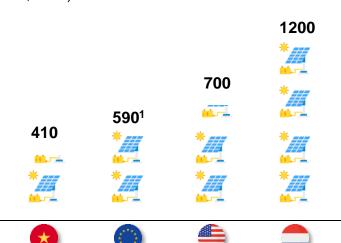


# The rise in renewable energy share is driven by a world-leading adoption of solar, wind and EV technologies



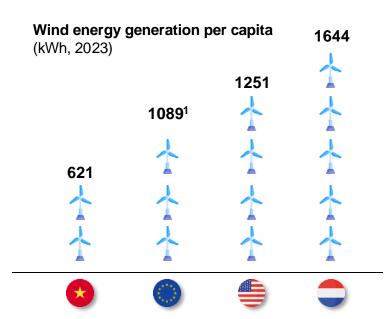
The Netherlands has become a frontrunner in solar power generating 1200kWh per capita in '23, double of the EU average

Solar energy generation per capita (kWh, 2023)





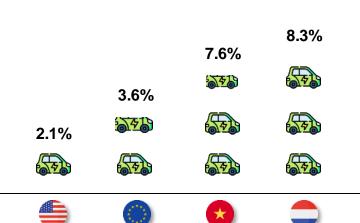
The Dutch became a frontrunner in wind energy, generating 1644kWh per capita in '23, which is 60% more than EU

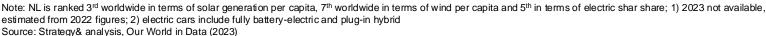




The Netherlands is accelerating EV adoption growing its share to 8.3% in '23, double of the EU average and just ahead of China

Share of electric<sup>2</sup> cars in existing fleet (% of total, 2023)





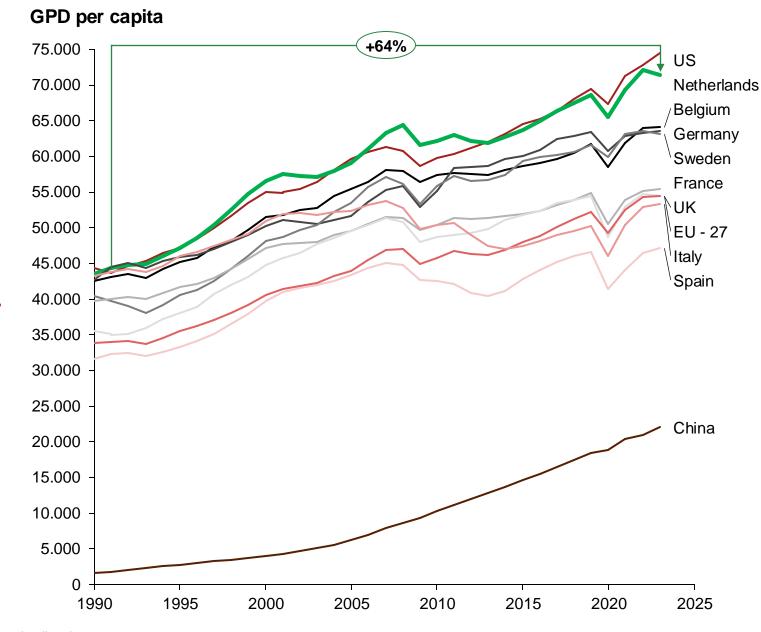




The Dutch economy has experienced phenomenal economic >> growth

**71k** (+64%)

GDP per capita (% gain since 1990)

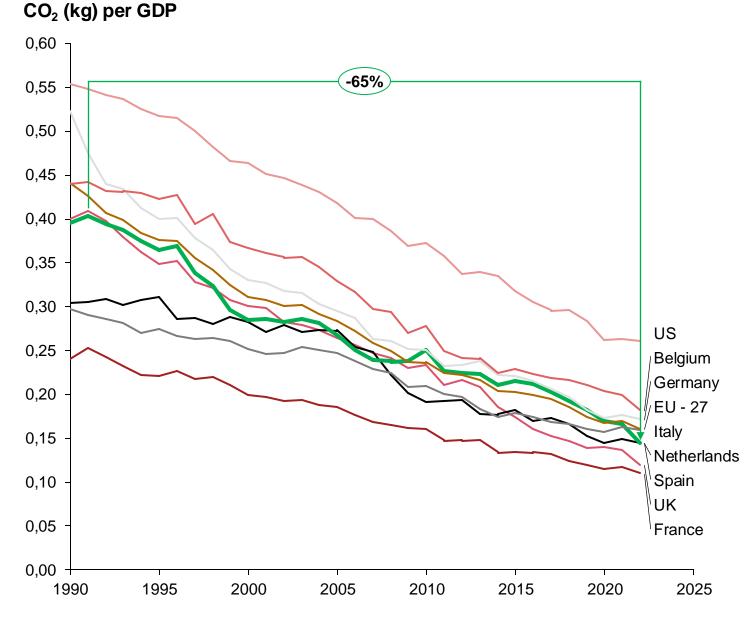




...this growth has been successfully decoupled from carbon emissions...

-65%

CO<sub>2</sub> emissions per GDP since 1990

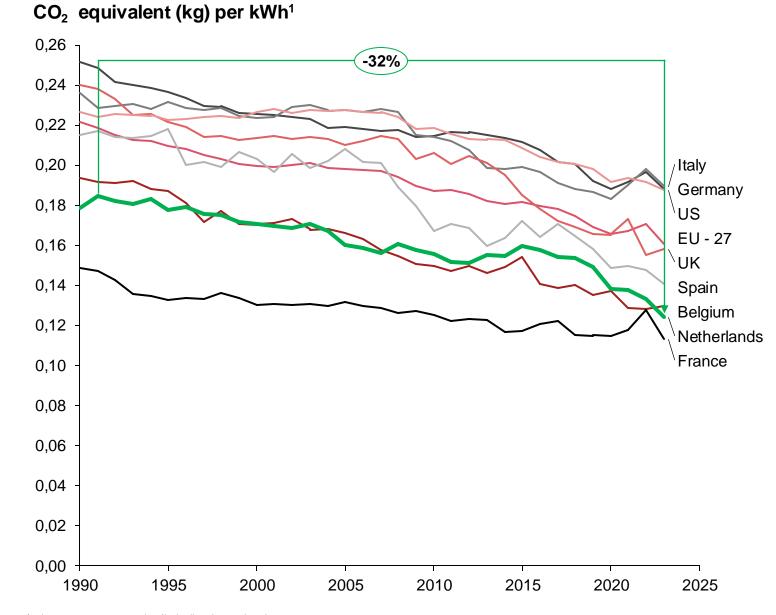




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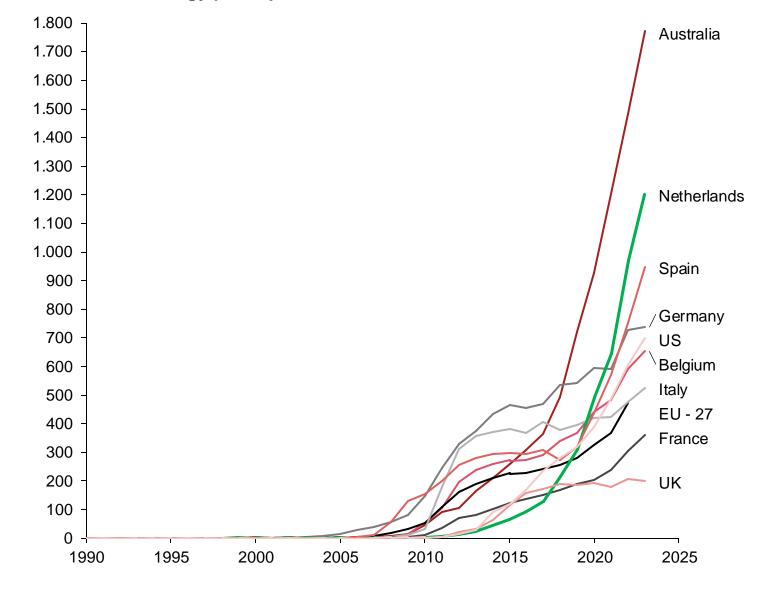
Emission reduction for energy production (1990)





The Netherlands
became a frontrunner
in solar power
generating 1200kWh
per capita in '23,
double of the EU
average

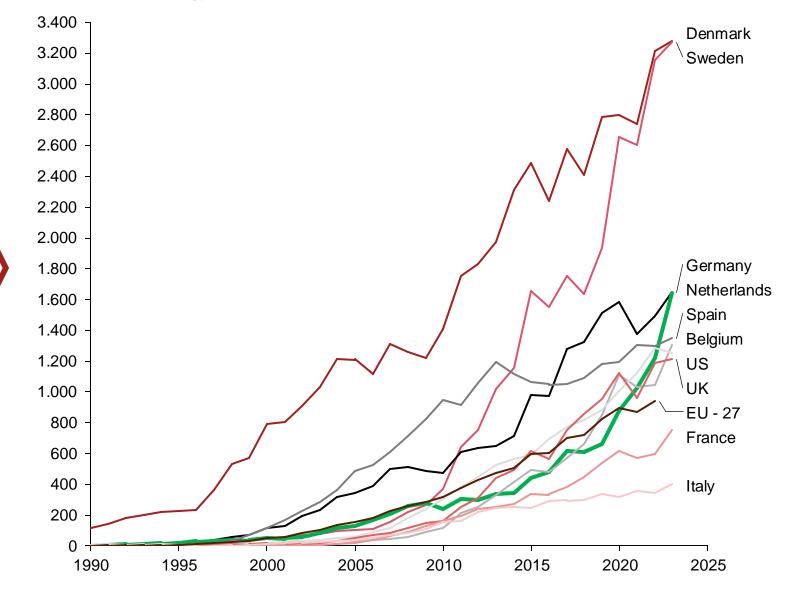
#### kWh of solar energy per capita





The Dutch has become a frontrunner in wind energy, generating 1644kWh per capita in '23, which is 60% more than EU

#### kWh of wind energy per capita

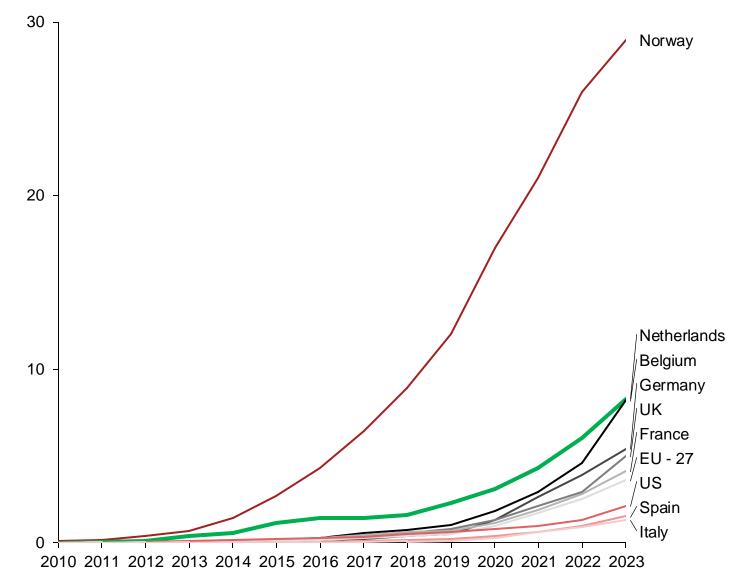


#### Share of electric<sup>1</sup> cars in existing fleet



The Netherlands is accelerating EV adoption growing its share to 8.3% in '23,

double of the EU average and just ahead of China



### Contact us!



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### Thank you

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