

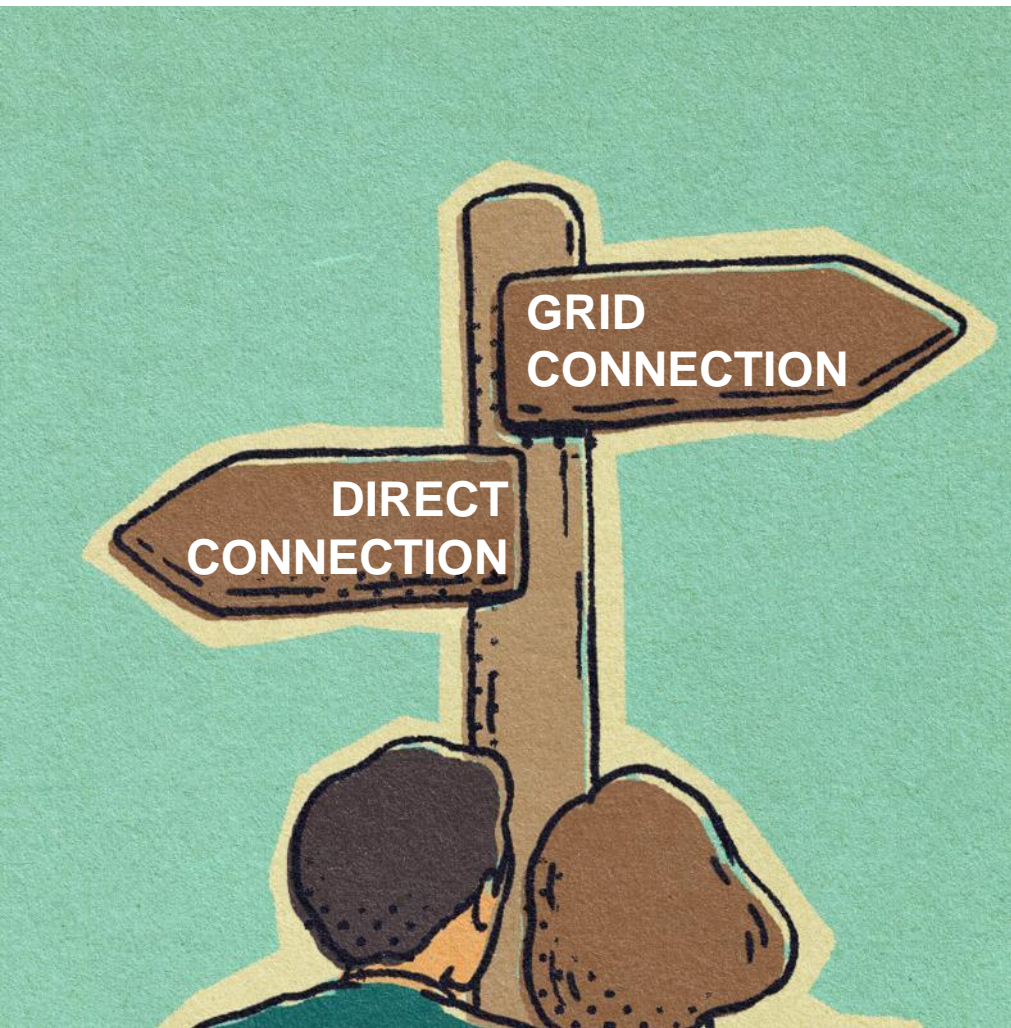
# HOW TO GET THE POWER?

MR. DIRK KUIKEN

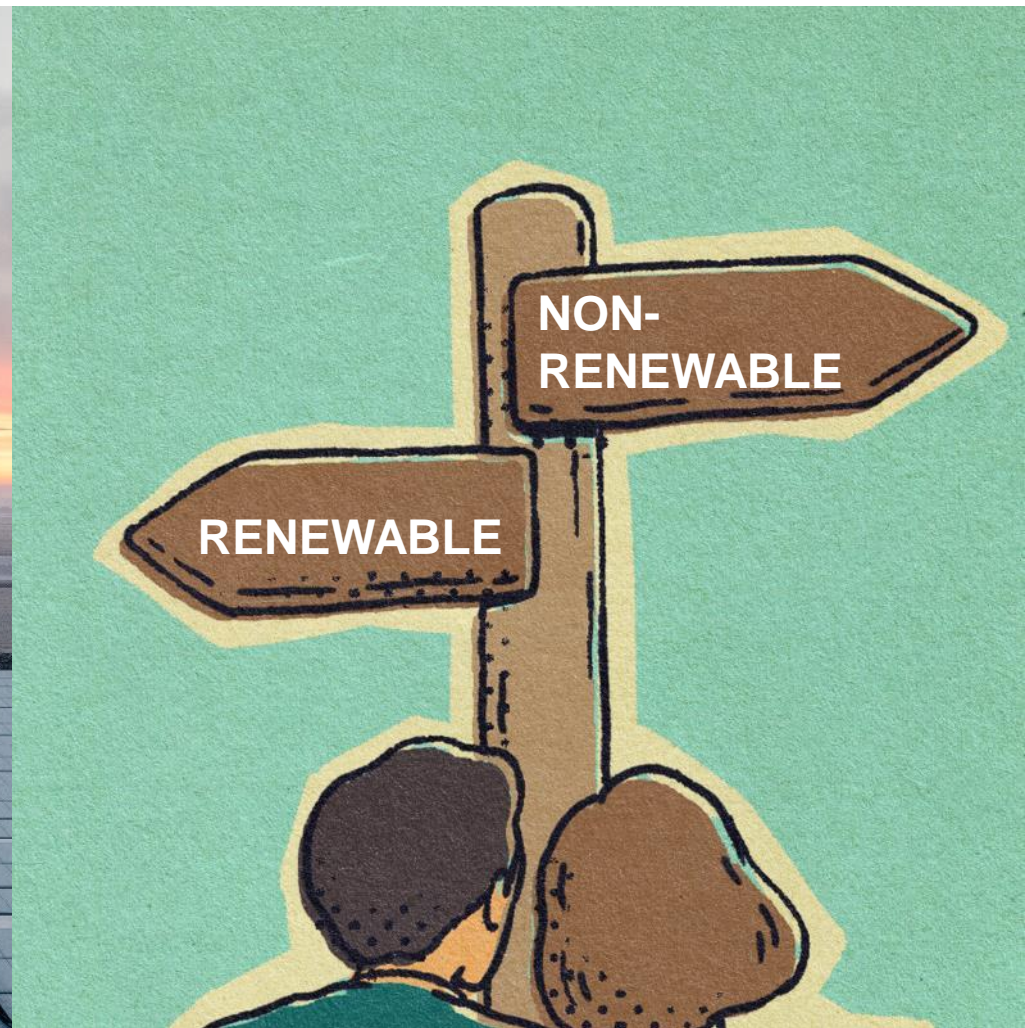
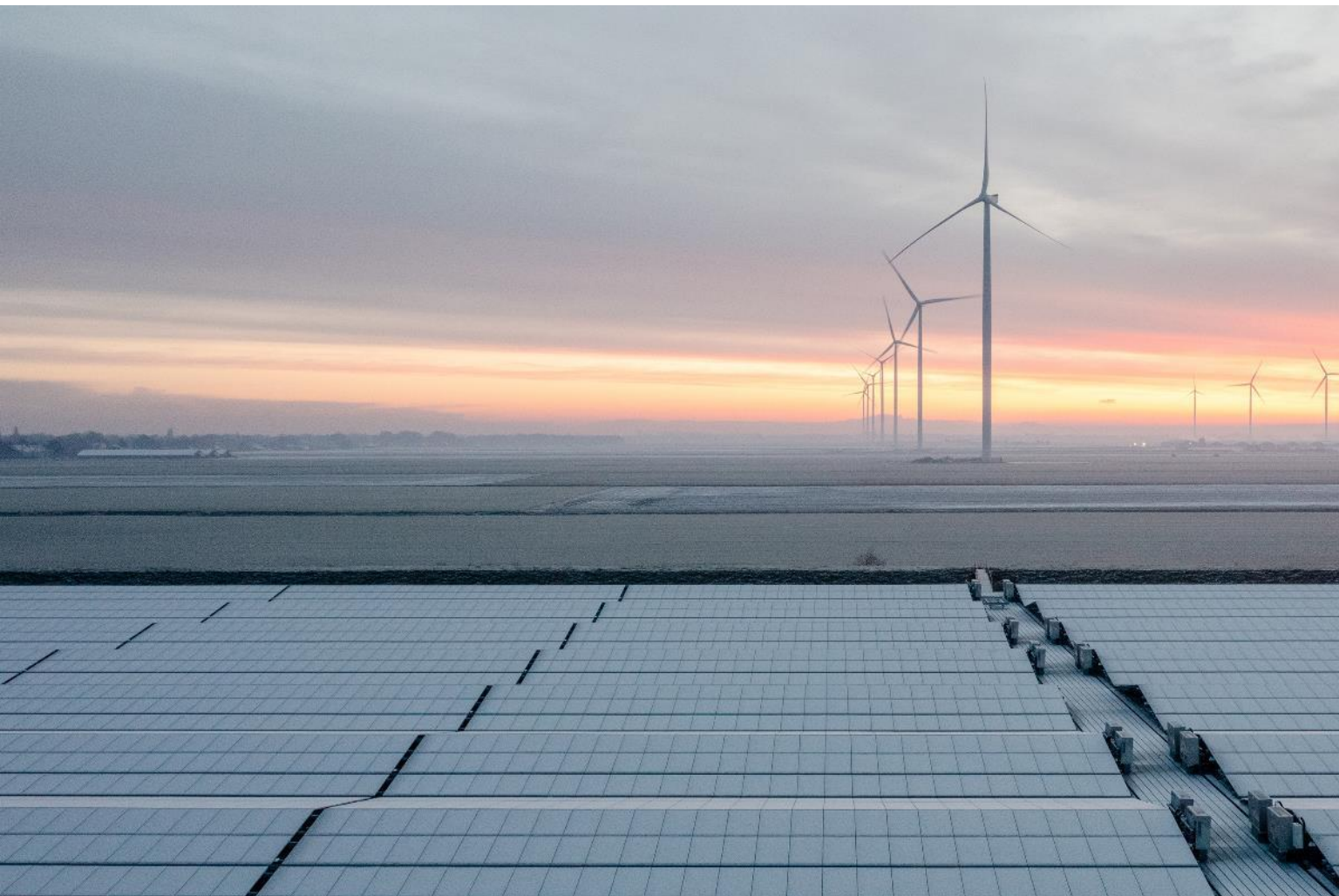
13-03-2025













# WHAT IS RENEWABLE POWER?

Wind

Solar (thermal/PV)

geothermal

osmotic

ambient

**Tide, wave and other ocean**

**hydropower**

*biogas*



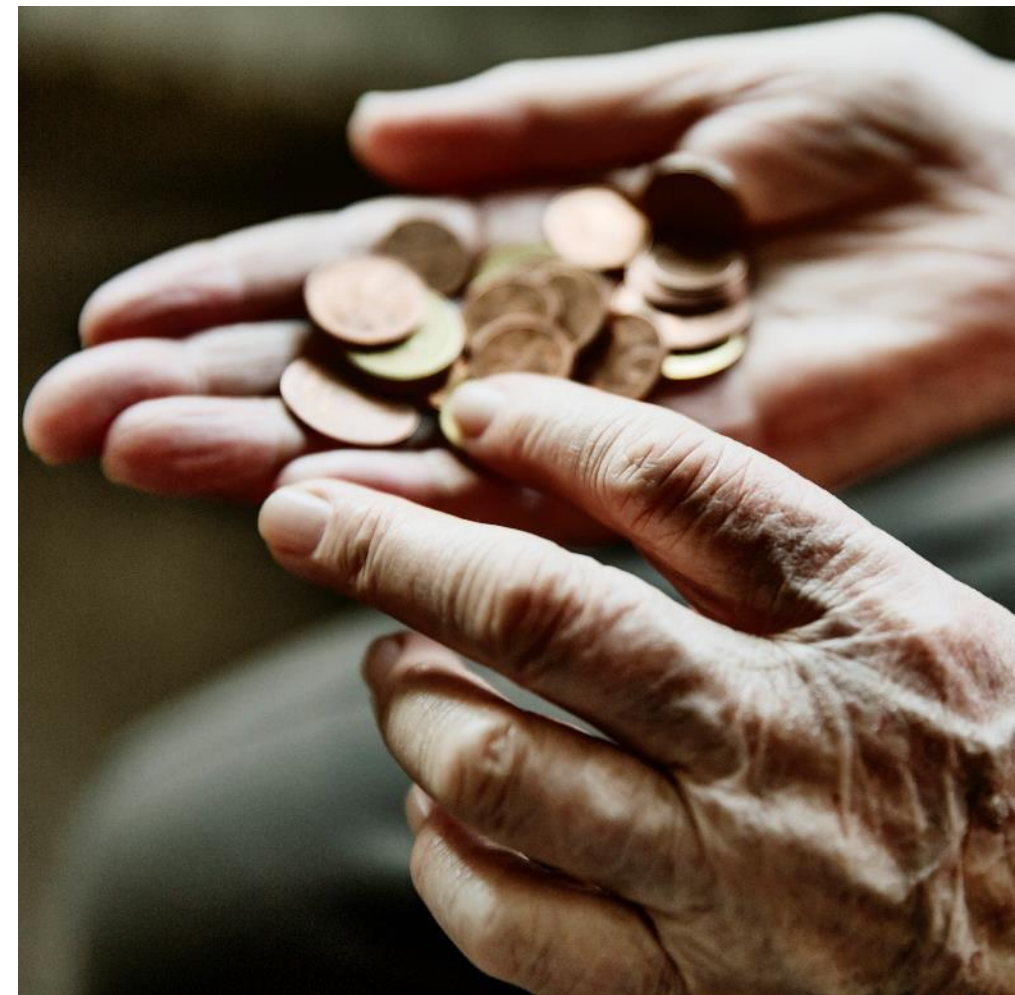
# WHEN DOES IT COUNT?

- **Direct connection: only using renewable installation**
- **Grid connection:** (also) using renewable electricity ‘from the grid’, e.g.
  - If there is (almost) ‘nothing but’ renewable electricity in the grid
  - Temporal correlation
    - Produced within the same hour
  - Geographical correlation
    - Within the same bidding zone



# WHEN DOES IT MATTER?

- **Always, but...**
- Subsidy requirements...
  - Subsidieregeling grootschalige productie volledig hernieuwbare waterstof via elektrolyse (OWE)
  - Delegated Act (EU): Commission Delegated Regulation (EU) 2023/1184

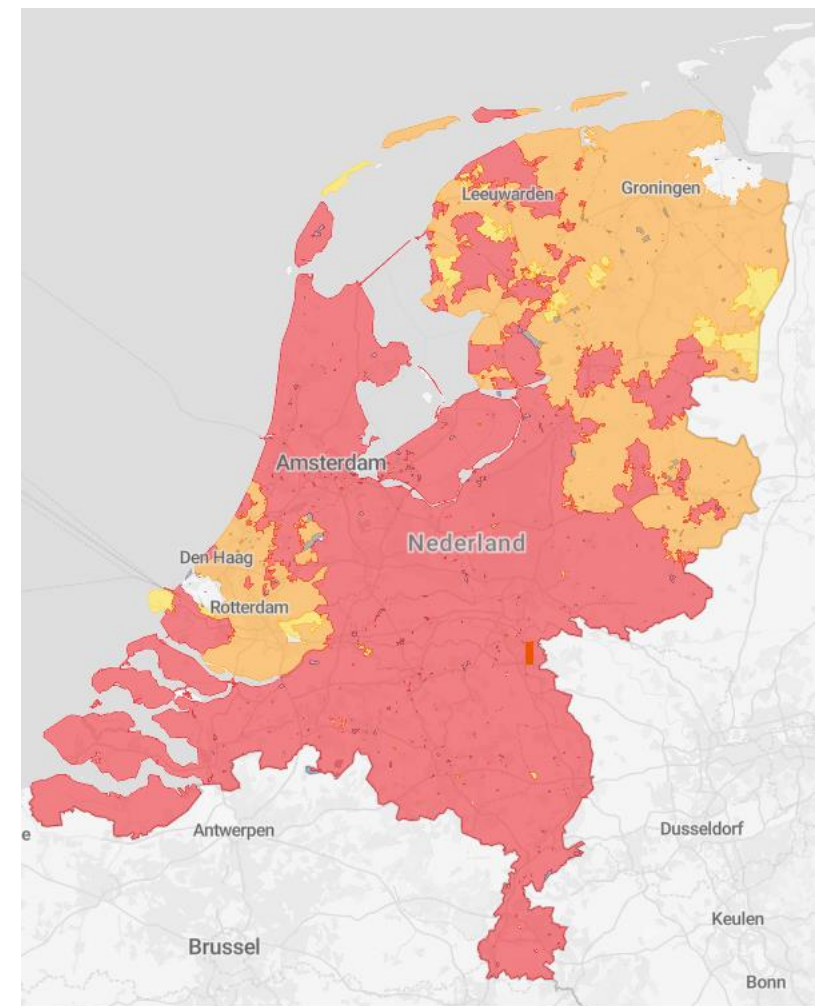


# HOW TO GET A GRID CONNECTION?

- (EU) right to access the electricity system
  - Not always. No capacity, no access.
- (NL) right to grid connection, right to transport capacity.

## However...

- Creating connections takes longer
- Expanding grid capacity is an immense task, many dependencies



# CAN I GET TRANSPORT CAPACITY?

A decorative graphic on the left side of the slide. It features four white paper airplanes at different heights, each on a thin white vertical line. A red paper airplane is positioned further to the right, with a white line extending from its tail, curving downwards and then upwards to point towards the text 'What if it is not?'. The background is a light blue gradient.

- Only when it is available...
- What if it is not?
  - *'direct connection'...*
  - Congestion management
  - Social priority(?)
  - Cable pooling
  - Limited transport capacity (non-firm transport agreement)
  - Group transport agreement?



# CONGESTION MANAGEMENT

- Capacity reduction agreement (only works *if* you have capacity)
  - Redispatching (only works *if* you can dispatch)
- = dependency on current users of the grid, they should reduce their use



# CABLE POOLING

- Sharing a connection (and transport capacity)
  - Under conditions, 01/01/2026 also possible for 'conversion'
    - >100kVA connections
    - Maximum of four 'assets'
    - No grid-formation(!)





SAMEN WERKEN WE AAN EEN  
BETROUWBARE EN DUURZAME  
ENERGIEVOORZIENING VOOR  
VANDAAG ÉN VOOR DE TOEKOMST.



**ENEXIS**  
GROEP