

Renewables
Grid Initiative

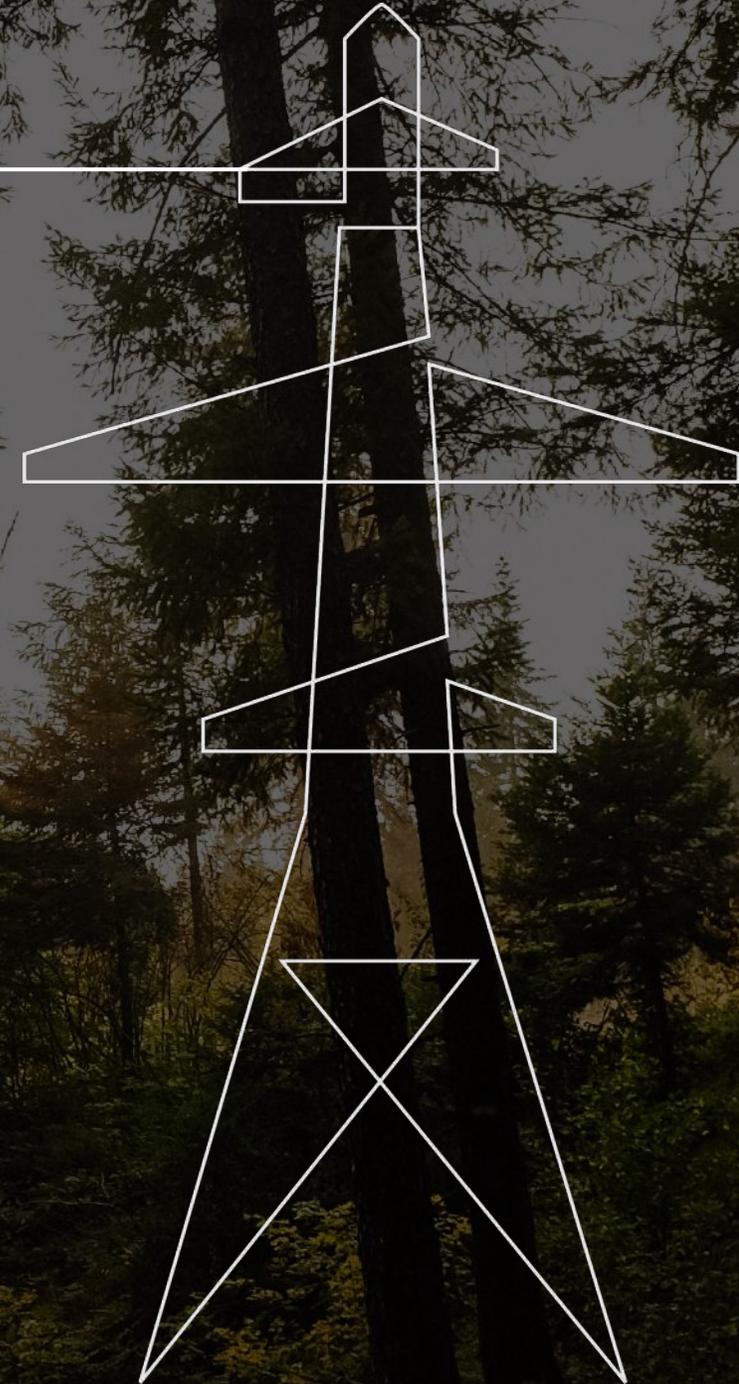


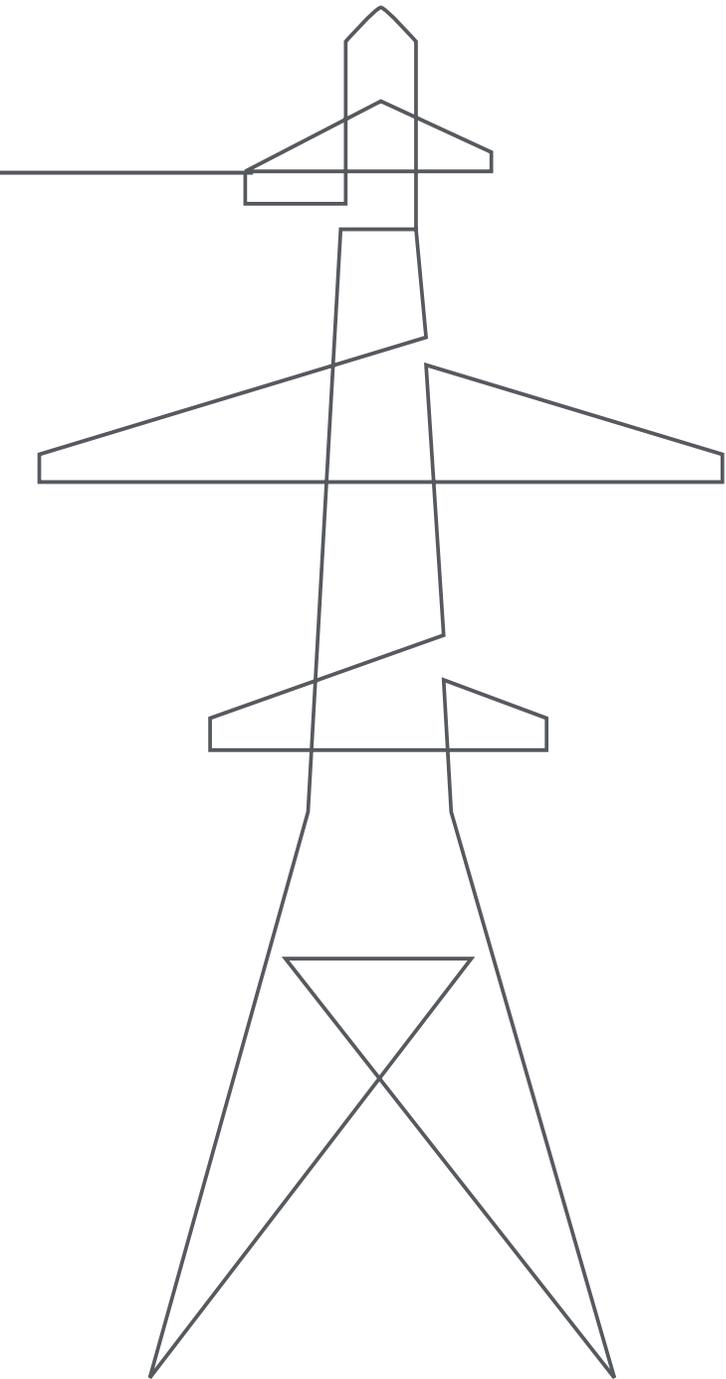
15TH ANNIVERSARY
CONFERENCE



ENERGY & *Solidarity*

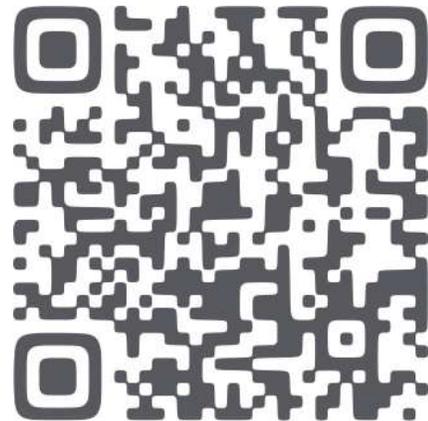
PUTTING THE PLAN FOR GRIDS INTO ACTION





Welcome!

CONFERENCE INFORMATION:



#Solidarity4Grids

SHARE ON SOCIAL MEDIA!

OPEN WIFI

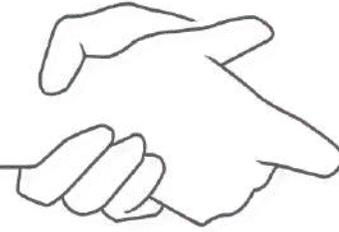
MUSEUM

Renewables
Grid Initiative 

**15TH ANNIVERSARY
CONFERENCE**

**ENERGY &
SOLIDARITY**

AGENDA



Renewables
Grid Initiative 

14:00 **Welcome and Setting the Scene**

A European grid built on solidarity

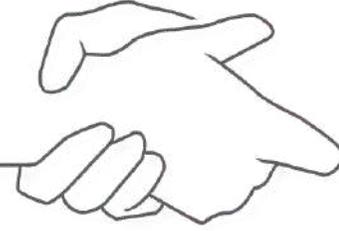
KEYNOTE SESSION

14:10 **The big picture: European solidarity in a world of scarcity**

PANEL DISCUSSION

14:30 **Electricity grids for a competitive and just Europe**

AGENDA



Renewables
Grid Initiative 

15:50 **Coffee Break**

Centring people and nature within the Action Plan for Grids

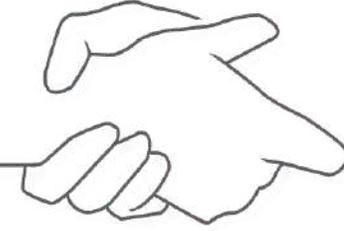
PANEL DISCUSSION

16:20 **Collaborations for a nature-positive electricity system: how can linear infrastructure contribute to nature-positive targets**

PANEL DISCUSSION

17:20 **A people-centred energy transition: Implementing the Pact for Engagement**

AGENDA



Renewables
Grid Initiative 

15 Years of RGI – The Power of Collaboration

18:20

PANEL DISCUSSION

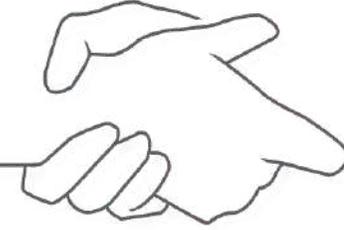
The Founders Panel

19:00

EVENING RECEPTION

Music, Mingling, Food & Drinks

HOUSE RULES



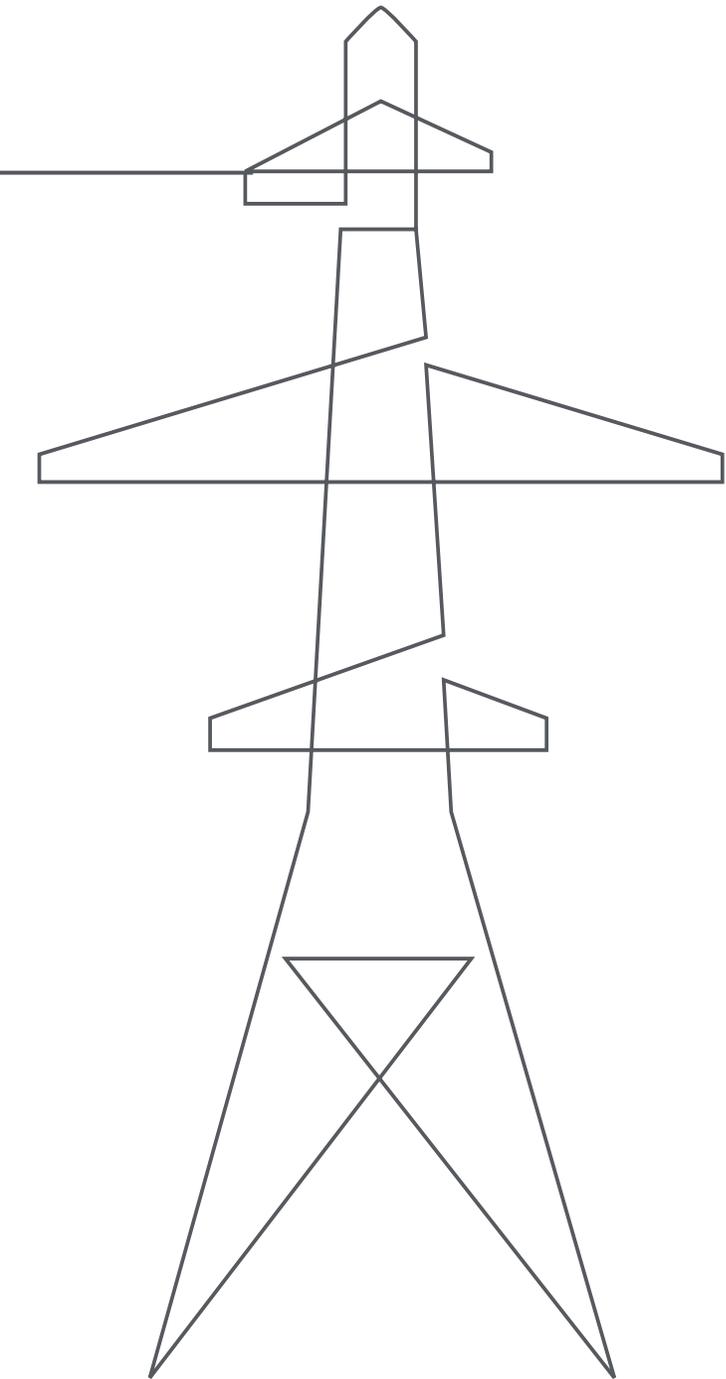
Renewables
Grid Initiative 



NO FOOD OR DRINK
IN THE AUDITORIUM



DO YOU HAVE A QUESTION OR COMMENT?
QUEUE AND JOIN THE DISCUSSION!



Conference INFORMATION



#Solidarity4Grids

SHARE ON SOCIAL MEDIA!

OPEN WIFI

MUSEUM

Renewables
Grid Initiative 

15TH ANNIVERSARY
CONFERENCE

**ENERGY &
SOLIDARITY**

Renewables
Grid Initiative



15TH ANNIVERSARY
CONFERENCE



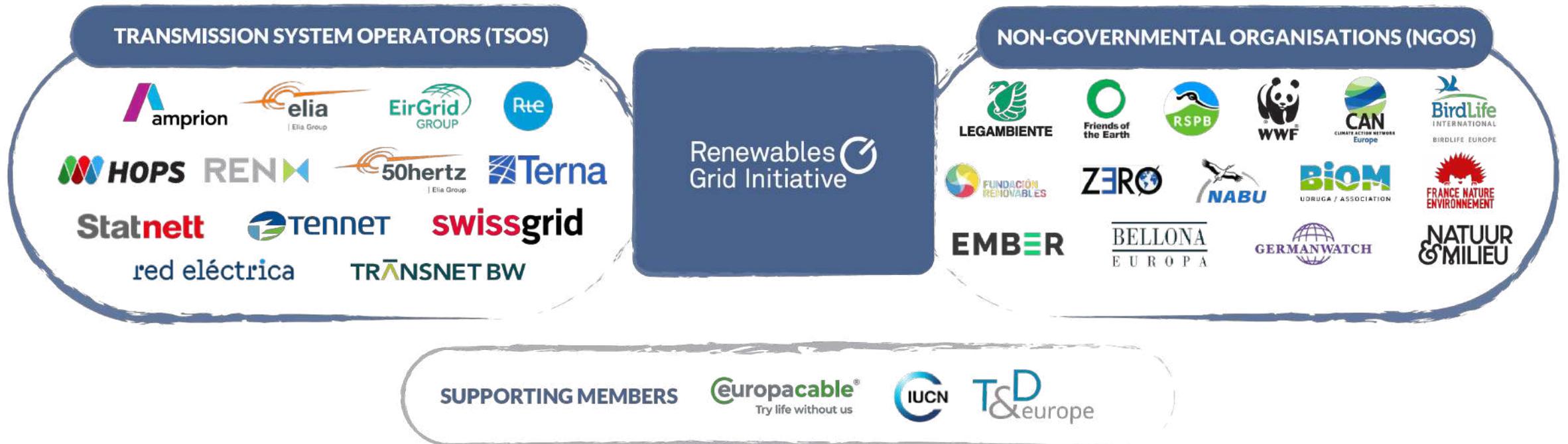
WELCOME & *Setting the scene*

ABOUT RGI

Renewables
Grid Initiative 

RGI is a unique collaboration of NGOs and TSO from across Europe engaging in an ‘energy transition ecosystem-of-actors’.

We promote **fair, transparent, sustainable grid development** to enable the growth of renewables to achieve full decarbonisation in line with the Paris Agreement.



Our Work

WELCOME

We foster knowledge exchange, discussions on the grid infrastructure needs, and the implementation of best practices within **three dimensions**:



Technical



Environmental

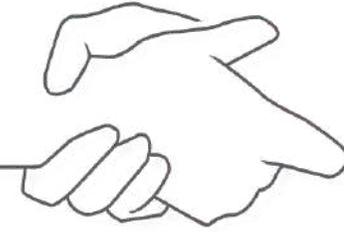


Social

Renewables  Grid Initiative **15TH ANNIVERSARY CONFERENCE**



PLAN FOR GRIDS INTO ACTION



Renewables
Grid Initiative 

Innovation 4 Solidarity

Creating **technological and market innovation** that allow for affordable energy and an optimised grid expansion

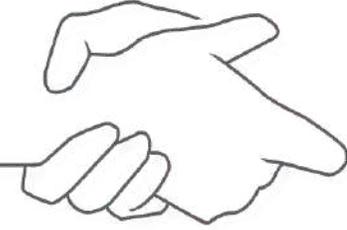
Solidarity with Nature

Contributing to biodiversity targets and **nature-positive solutions**

Solidarity with People

A people-centred energy transition: **Implementing the Pact for Engagement**

WHY SOLIDARITY?



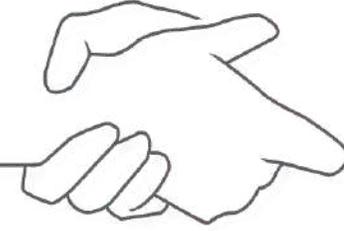
Renewables
Grid Initiative 

As a basic value of the European Union,

solidarity

is key for achieving energy and climate targets – especially considering the energy challenges that European countries face cannot be solved unilaterally.

#SOLIDARITY4GRIDS



Renewables
Grid Initiative 



solidarity

To ensure a shift from fossil fuels to renewables and grids

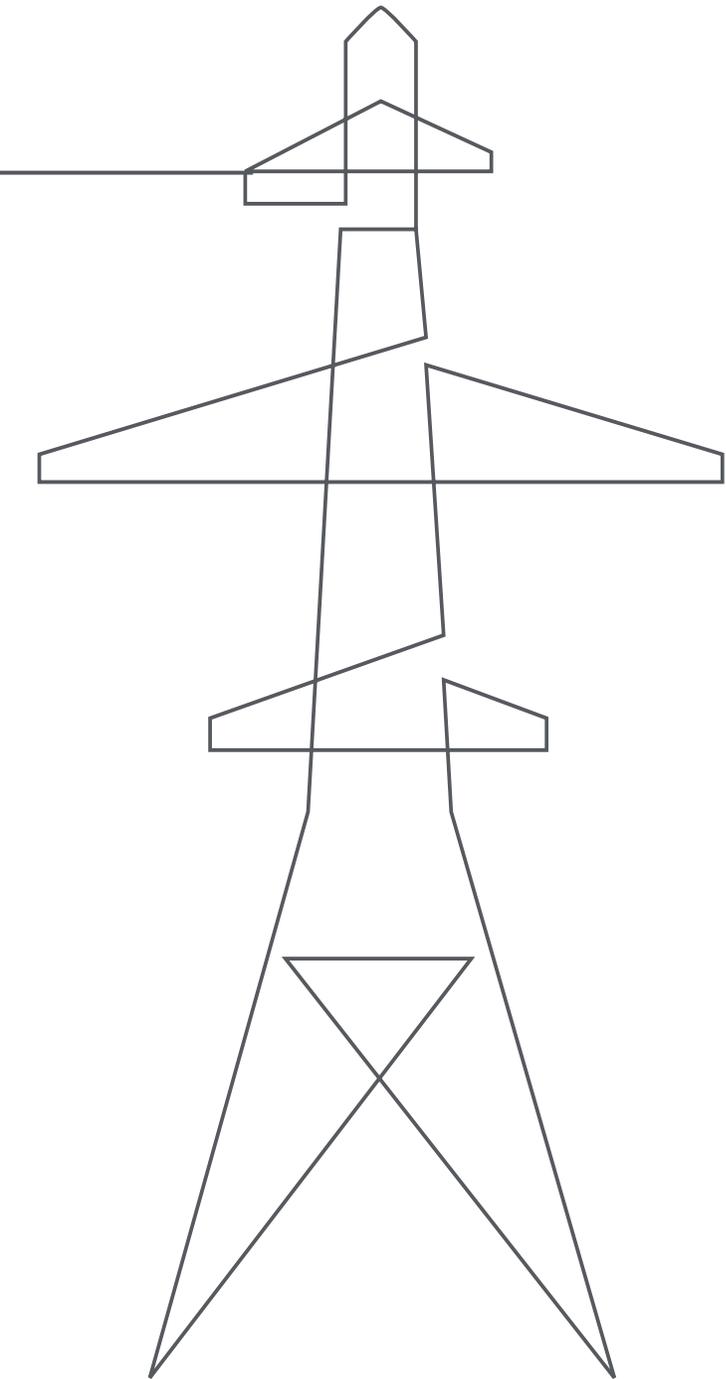
Renewables
Grid Initiative



15TH ANNIVERSARY
CONFERENCE



A EUROPEAN GRID *built on solidarity*



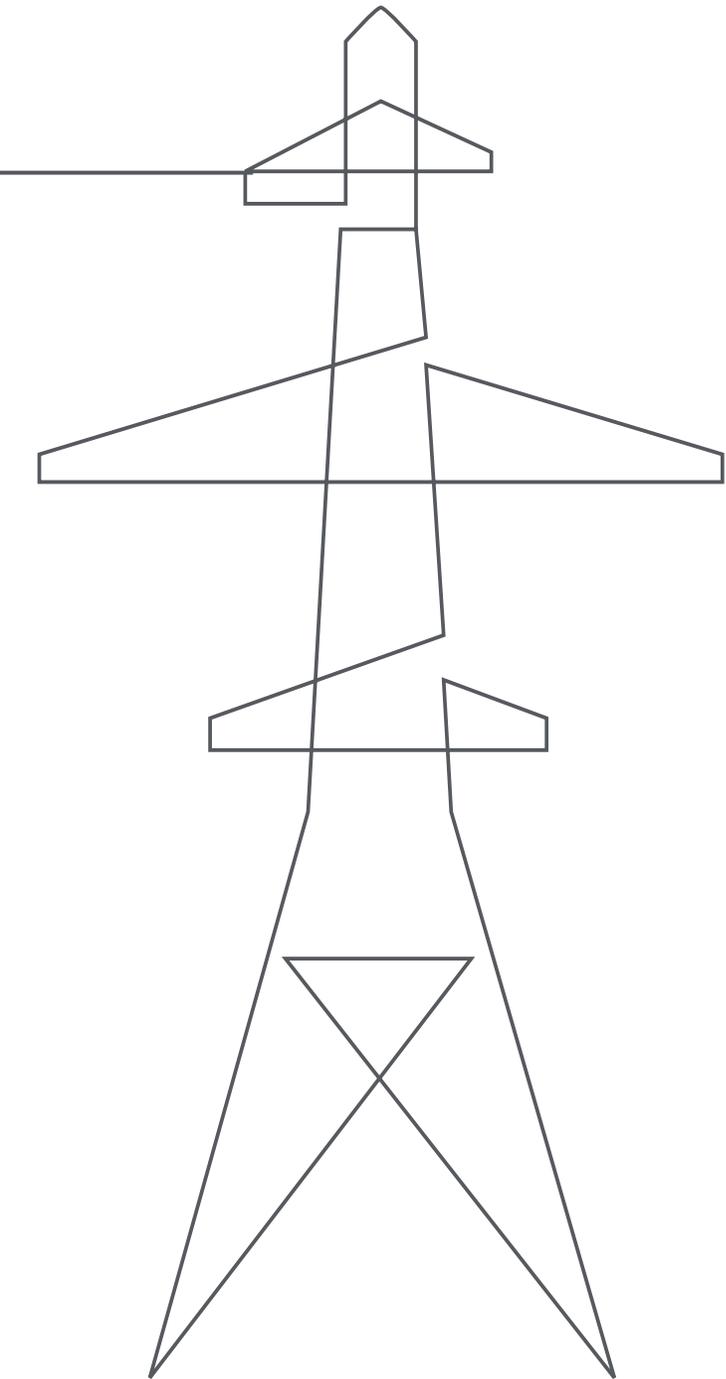
KEYNOTE SESSION

THE BIG PICTURE

EUROPEAN SOLIDARITY IN A WORLD OF SCARCITY

Tinne Van der Straeten,
Belgian Federal Minister of Energy

Renewables
Grid Initiative  **15TH ANNIVERSARY
CONFERENCE**



PANEL DISCUSSION

ELECTRICITY GRIDS *FOR A COMPETITIVE AND JUST EUROPE*

Renewables
Grid Initiative 

15TH ANNIVERSARY
CONFERENCE

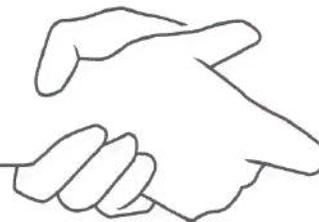
PANEL KEYNOTE

ELECTRICITY GRIDS FOR A COMPETITIVE AND JUST EUROPE



Gerard Reid

Co-founder and Partner, Alexa Capital



Renewables
Grid Initiative

15TH ANNIVERSARY
CONFERENCE

An aerial photograph of a white wind turbine's nacelle and three blades, positioned on the right side of the frame. The background is a vast, lush green landscape featuring a dense forest of tall, thin trees in the foreground and middle ground, with rolling hills and fields extending into the distance under a clear sky. The overall scene conveys a sense of clean energy and environmental sustainability.

The Future of Energy in Europe

Chances & Risks

GERARD REID, CO-FOUNDER *CAPITAL*

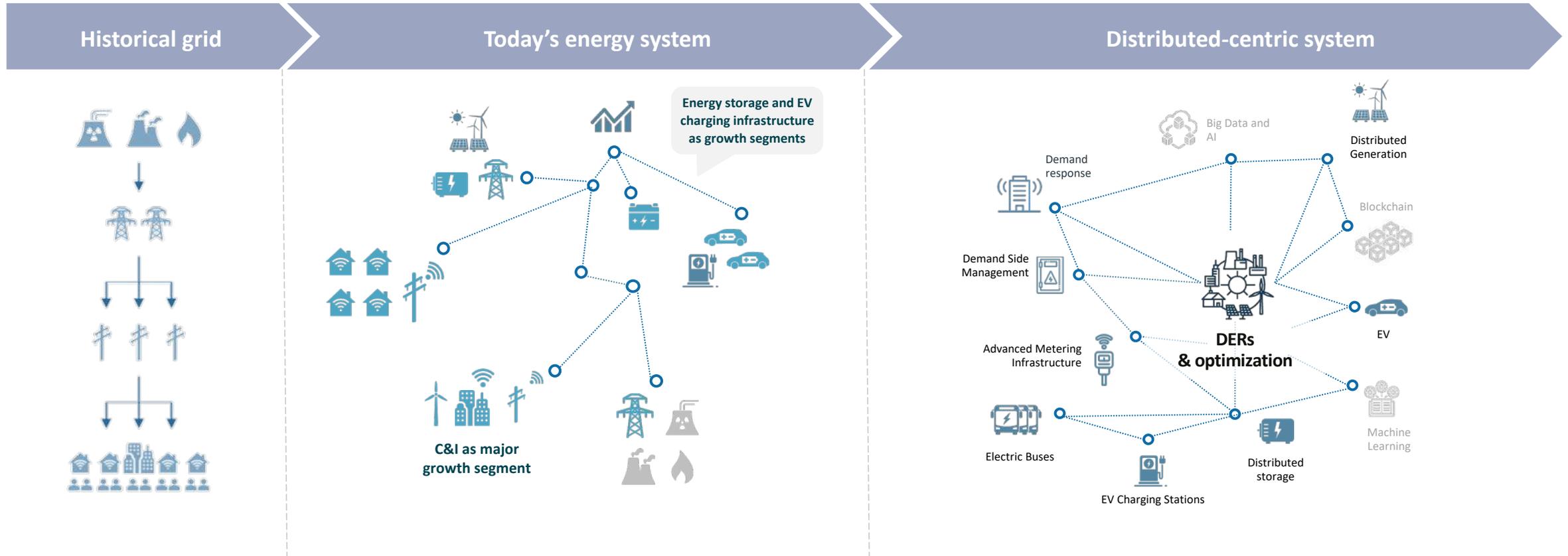
APRIL 2024

ALEXA | CAPITAL

FINANCIAL ADVISORY FOR A SUSTAINABLE FUTURE

The electricity system is going through massive change

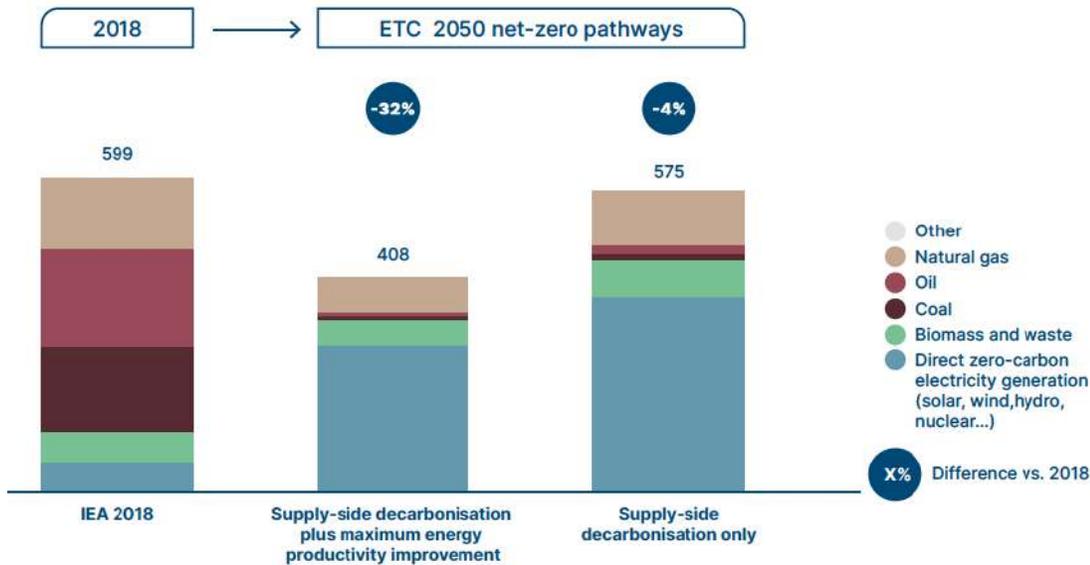
As we electrify and renewablise our energy system



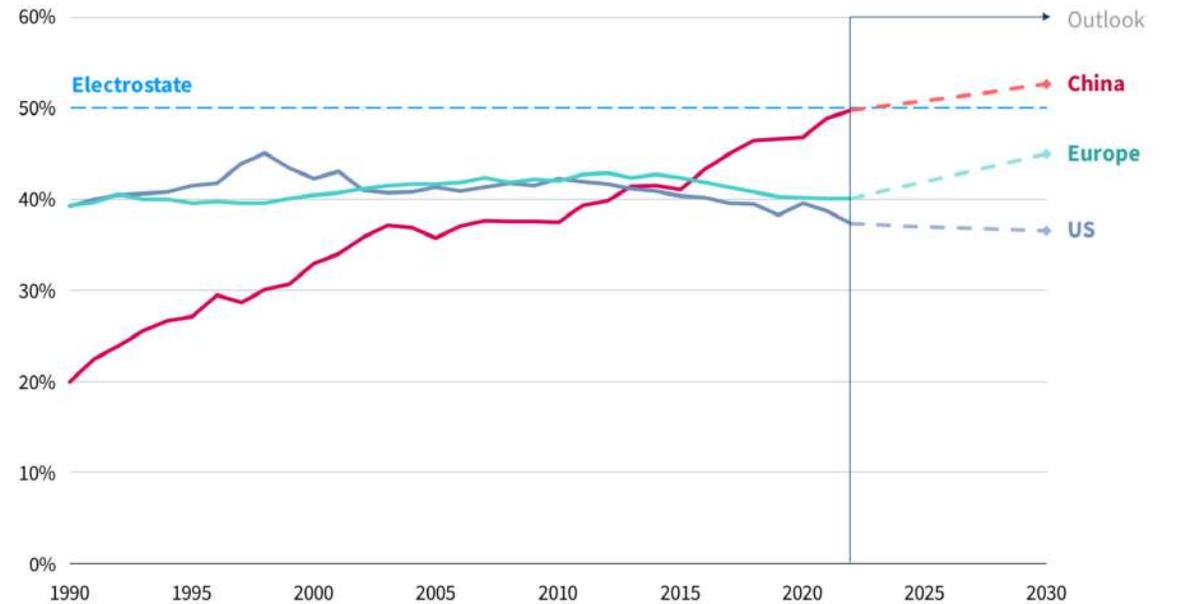
Driver #1: Climate change

The best way forward is to electrify as much as possible of global energy

Primary Energy Demand (in ej)



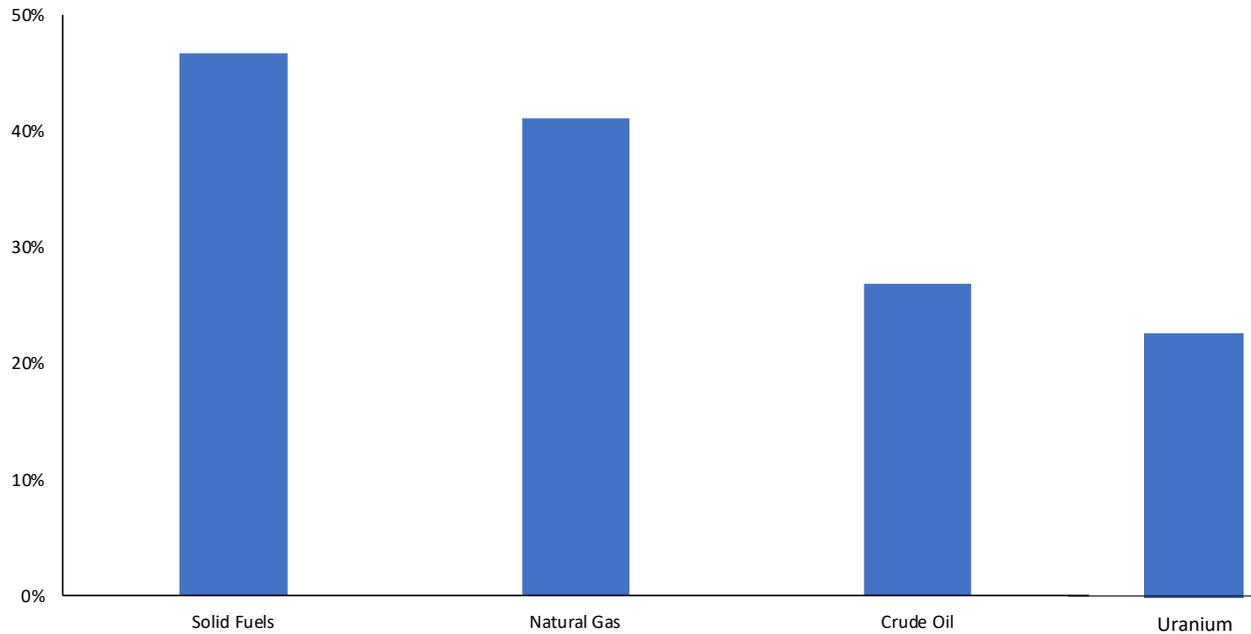
Primary Energy used for Electricity as % of Total Primary Energy



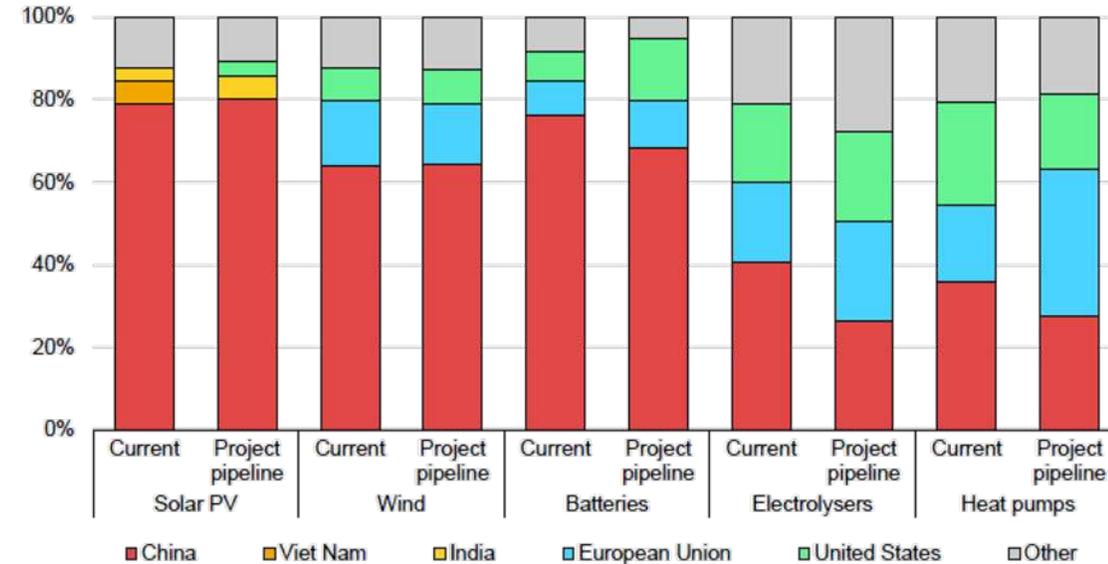
Driver #2: Energy has become geopolitically important

Climate, trade, jobs, geopolitics are intertwining

European Imports of Russian Energy (as % of total) in 2021



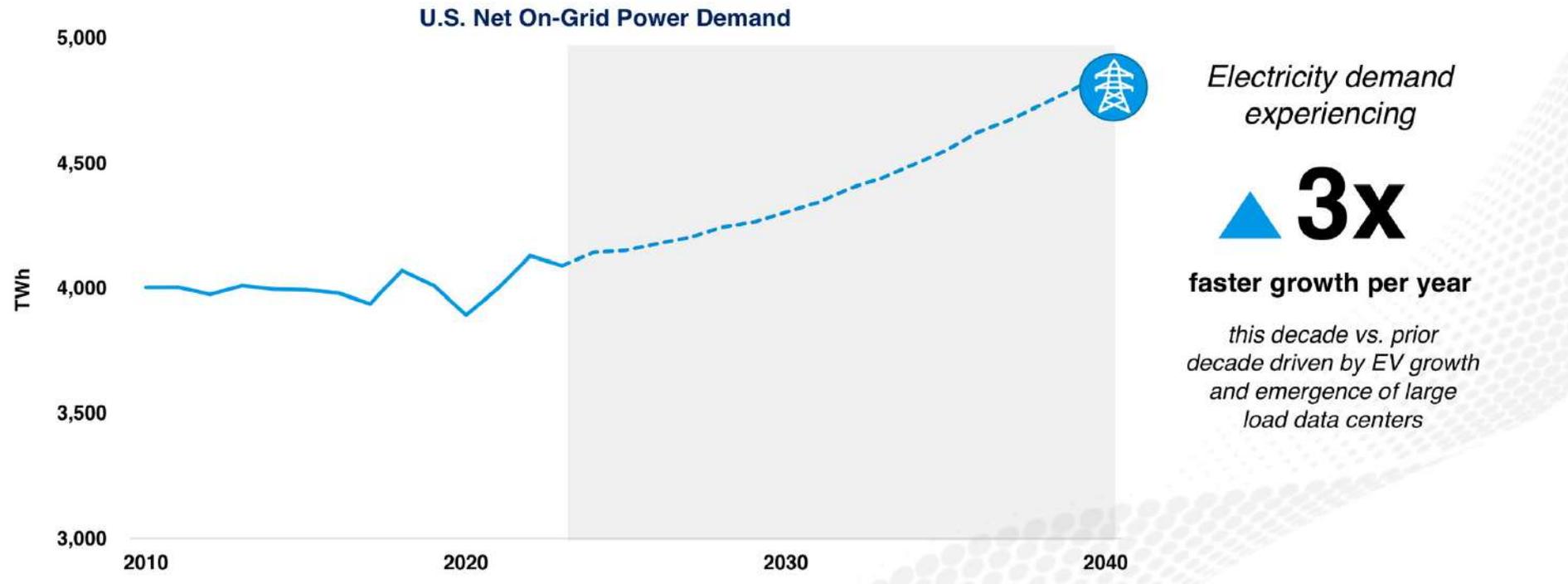
Global Production of Key New Energy Technologies



Driver #3: Increasing demand for electricity

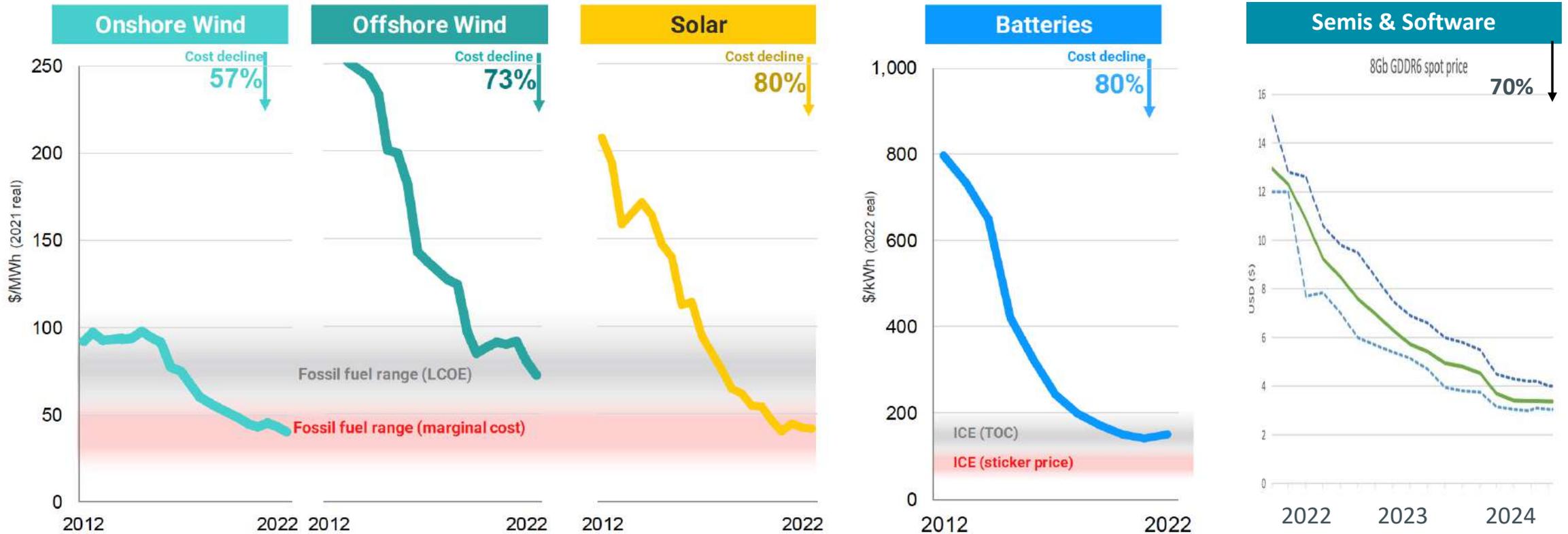
Electricity demand after two decades of no grow is expected to grow in both US and Europe

Electrification of heating and transport, data centers and AI-driven future will create growth in power demand not seen in past two decades



Driver #4: Speed of technology change is relentless

Should not be a surprise as we have never had so many great minds working on solutions

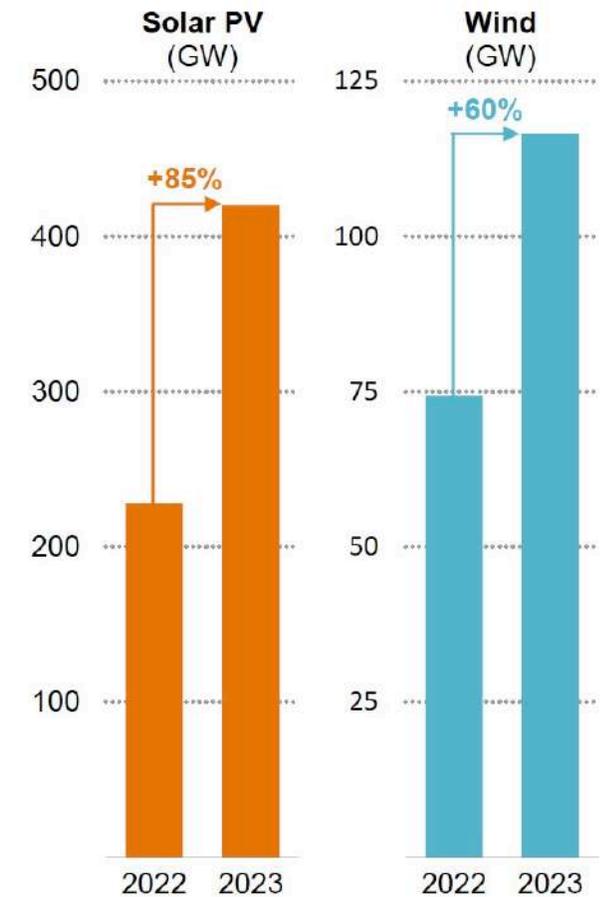
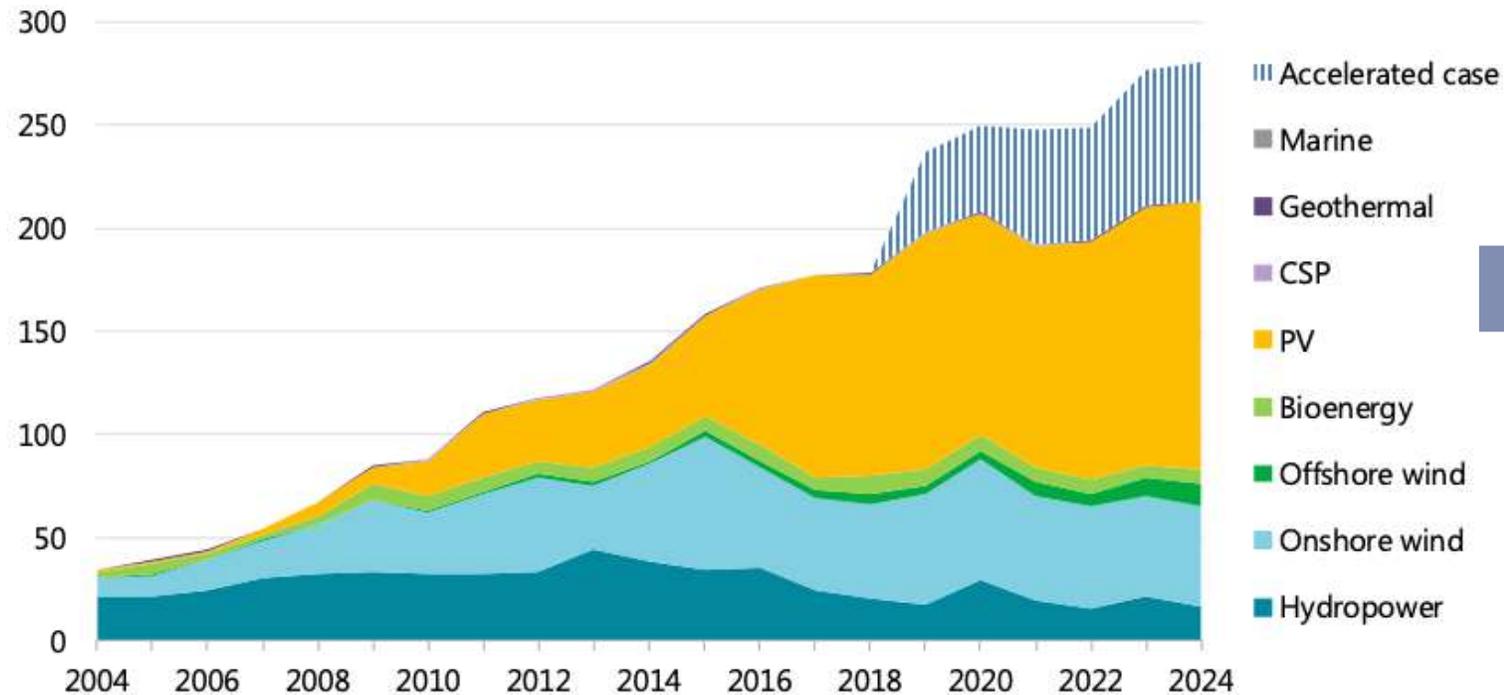


Source: RMI, Bourbaki

Even the experts do not realise the speed of change

Take renewables for instance...100% out!

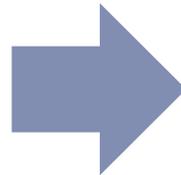
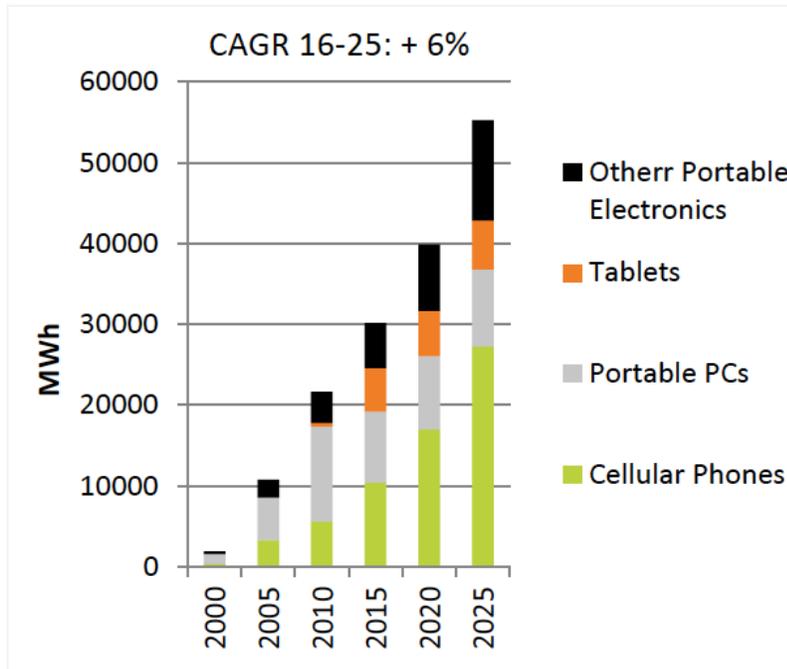
Annual Renewable Additions (GW), main and accelerated cases (2019 Estimates)



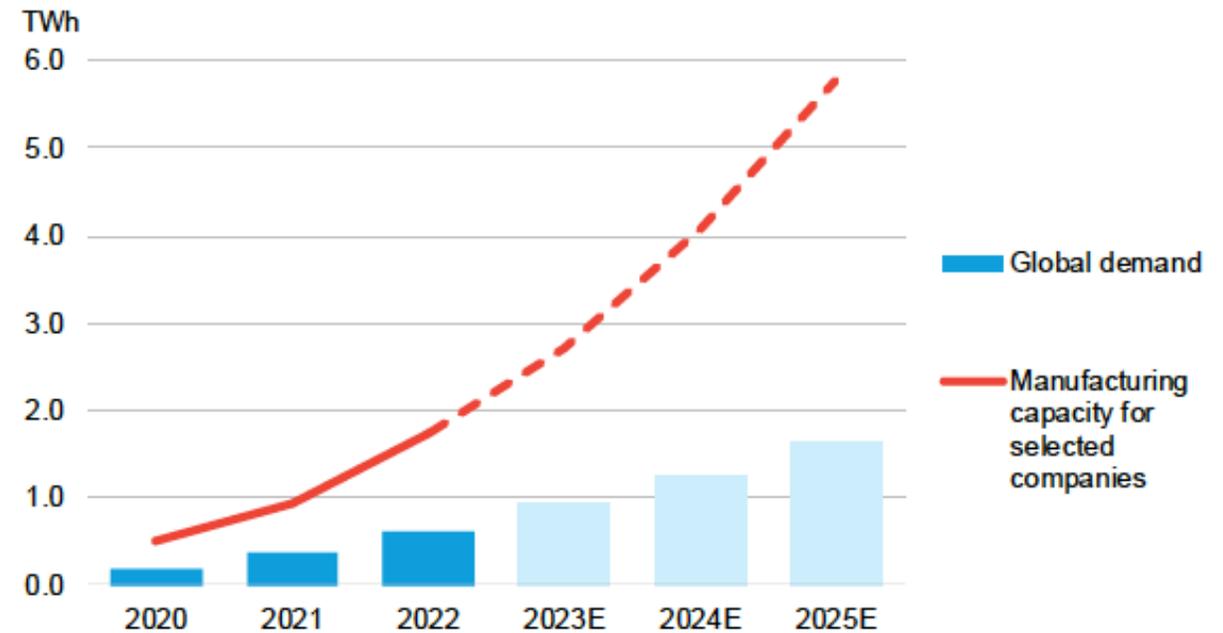
Even the experts do not realise the speed of change

Take batteries – Demand is 40x higher than estimates

Estimated Lithium-ion Market (2000-2025)



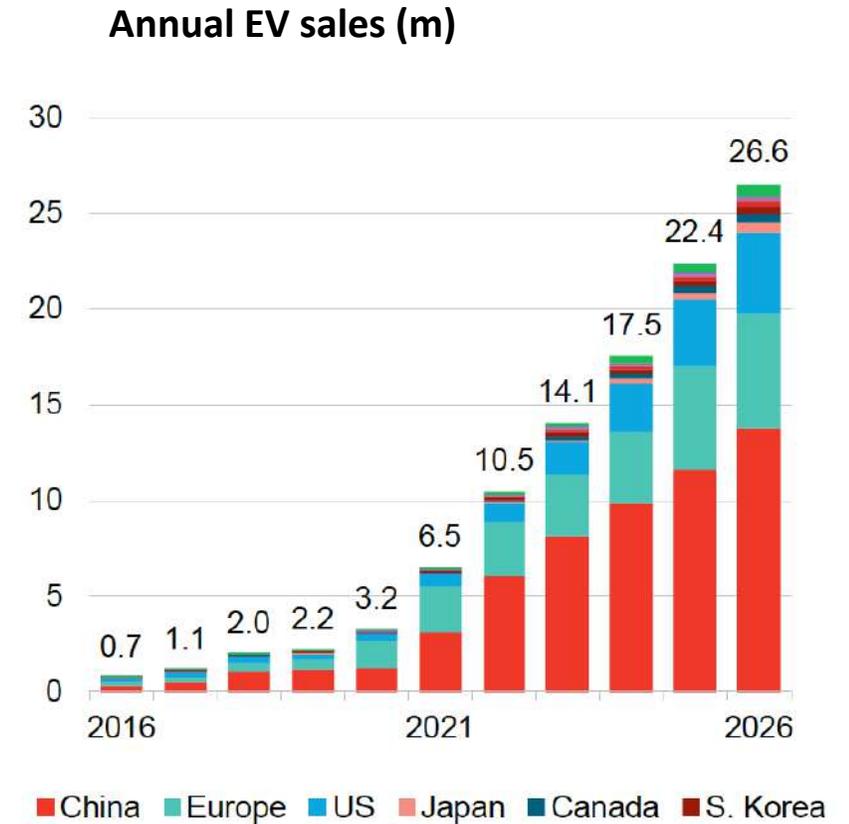
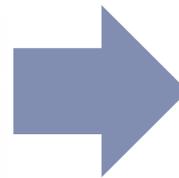
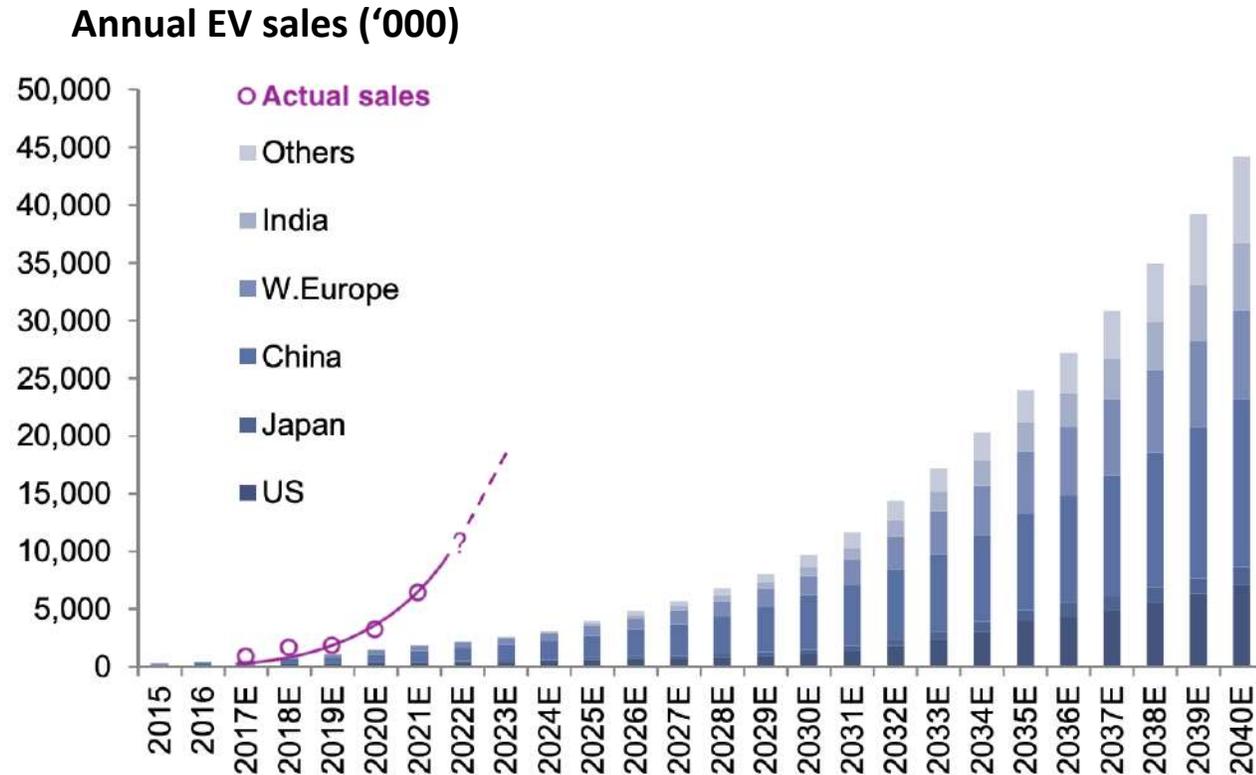
Current and Expected Lithium-ion Production Capacity & Demand



Source: Avicenne Energy, Bloomberg NEF

Even the experts do not realise the speed of change

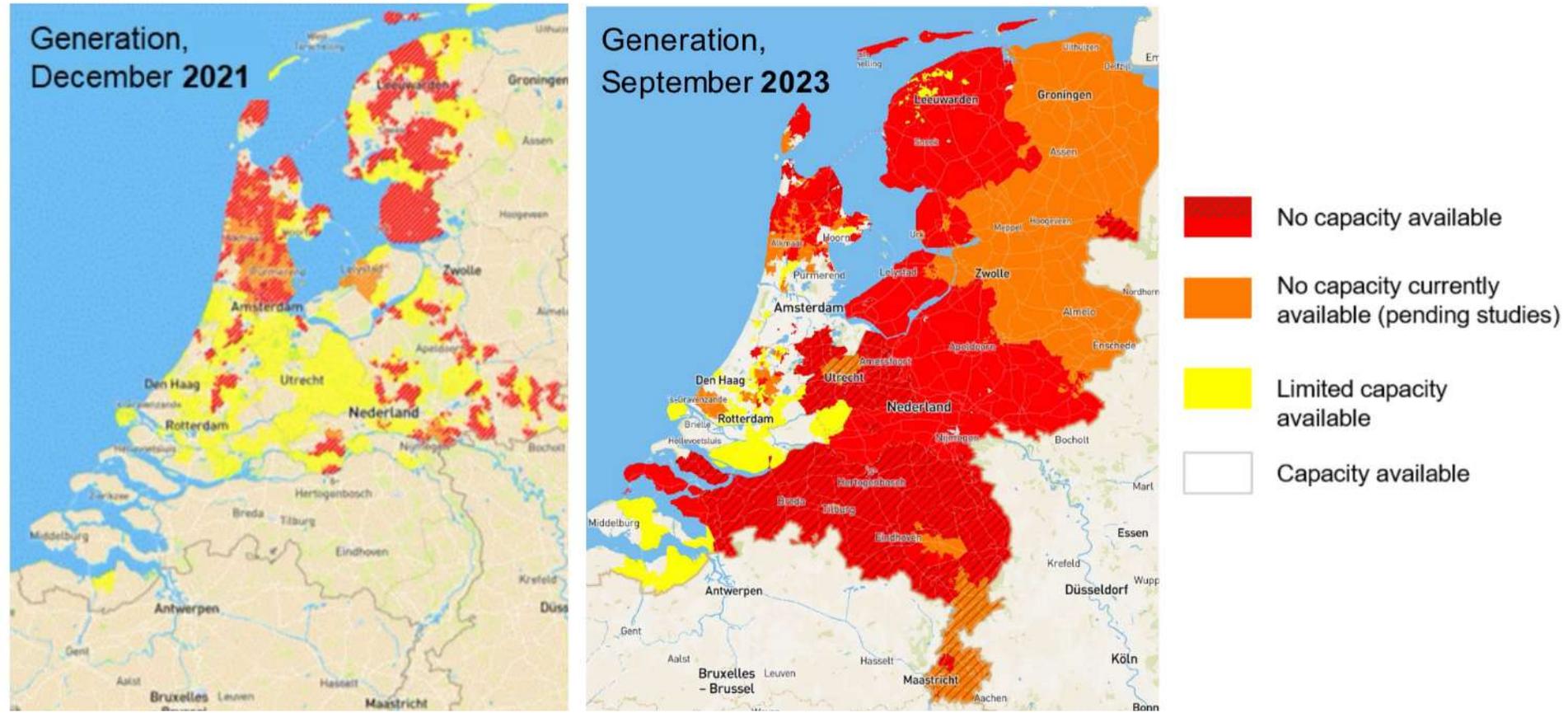
Take EVs – 10x higher than expected



Even the experts do not realise the speed of change

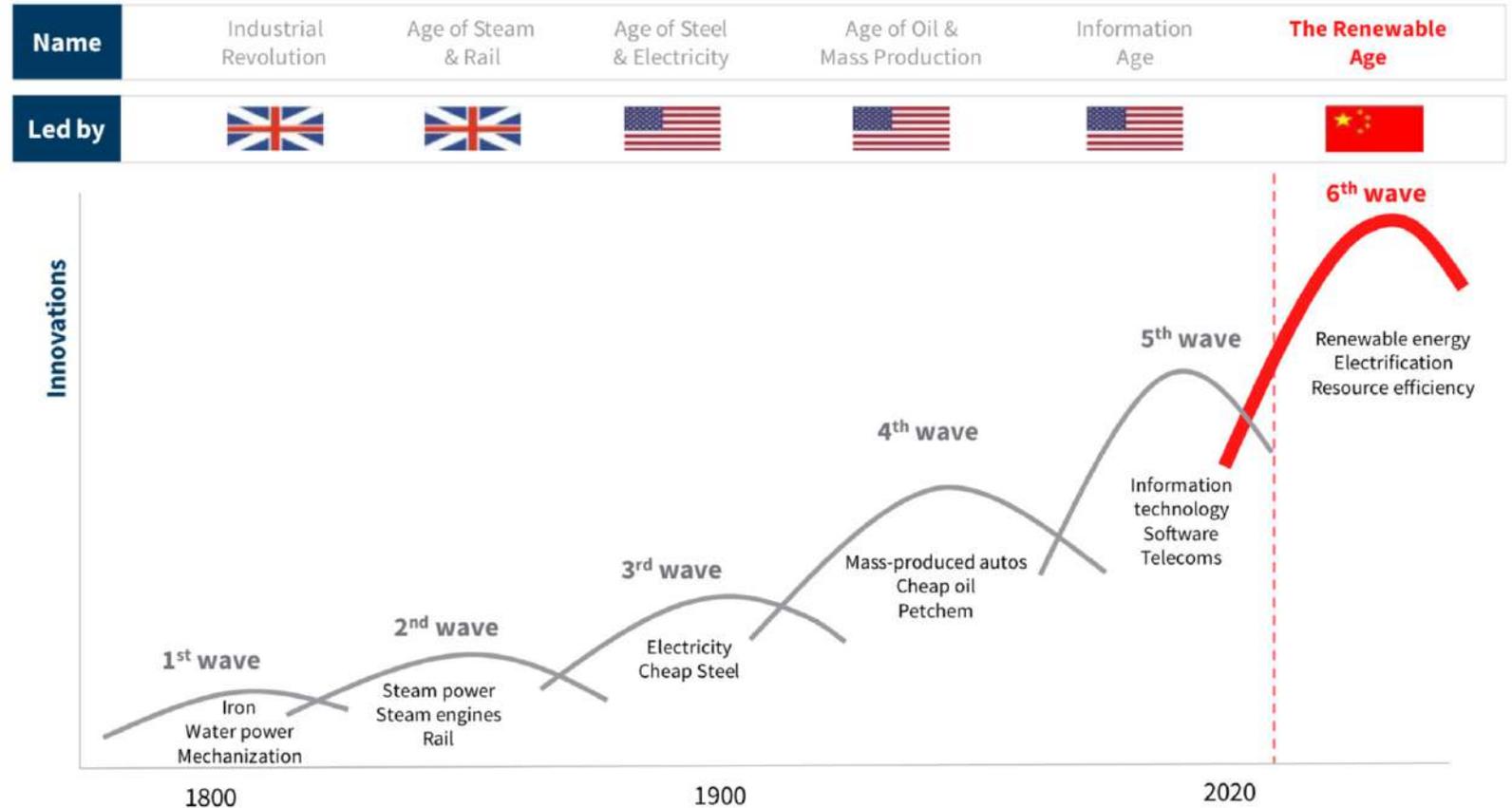
Take grid operators and regulators

Congestion in Dutch Distribution Grid



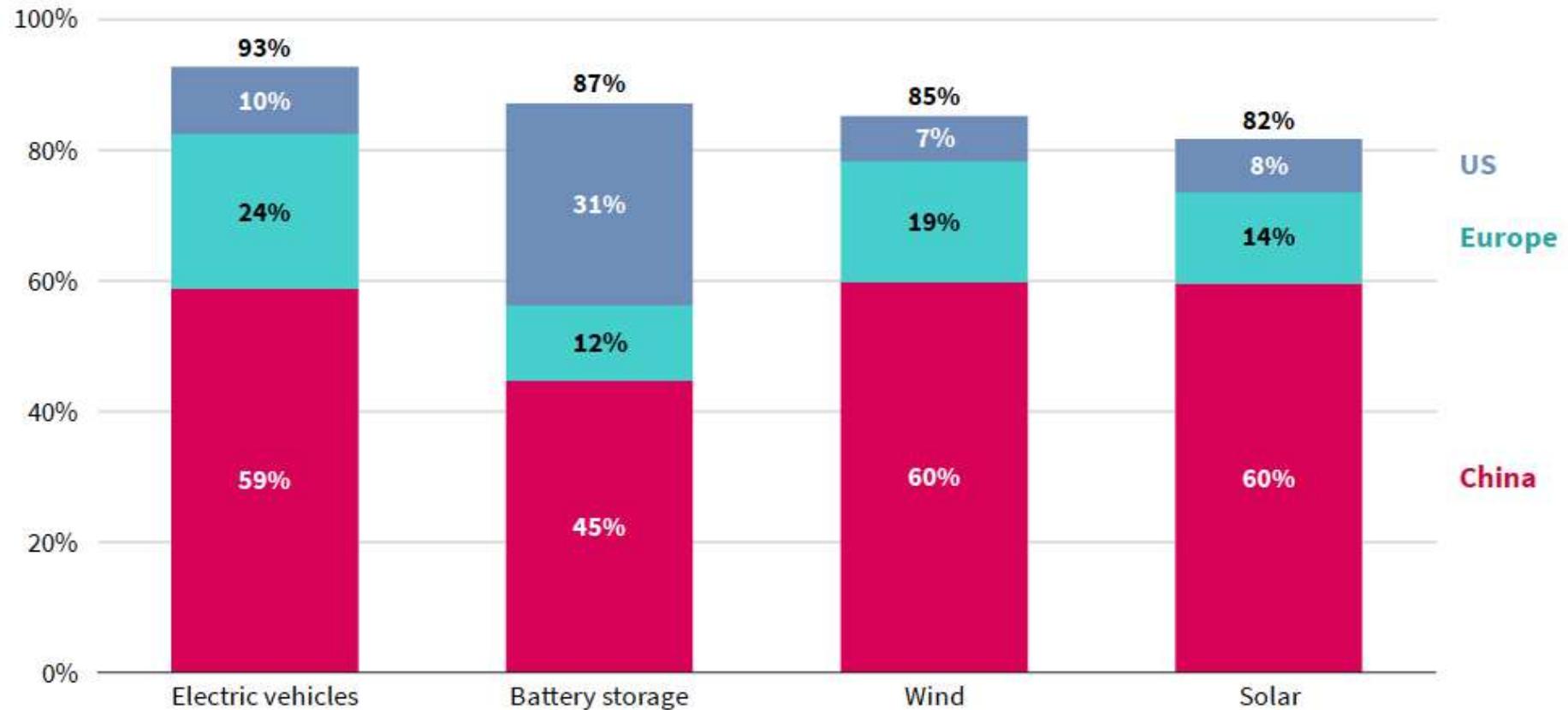
The reason is that we are in an energy revolution

We are entering the Renewable Age which China is leading...



And China understands the possibilities of the Renewable Era

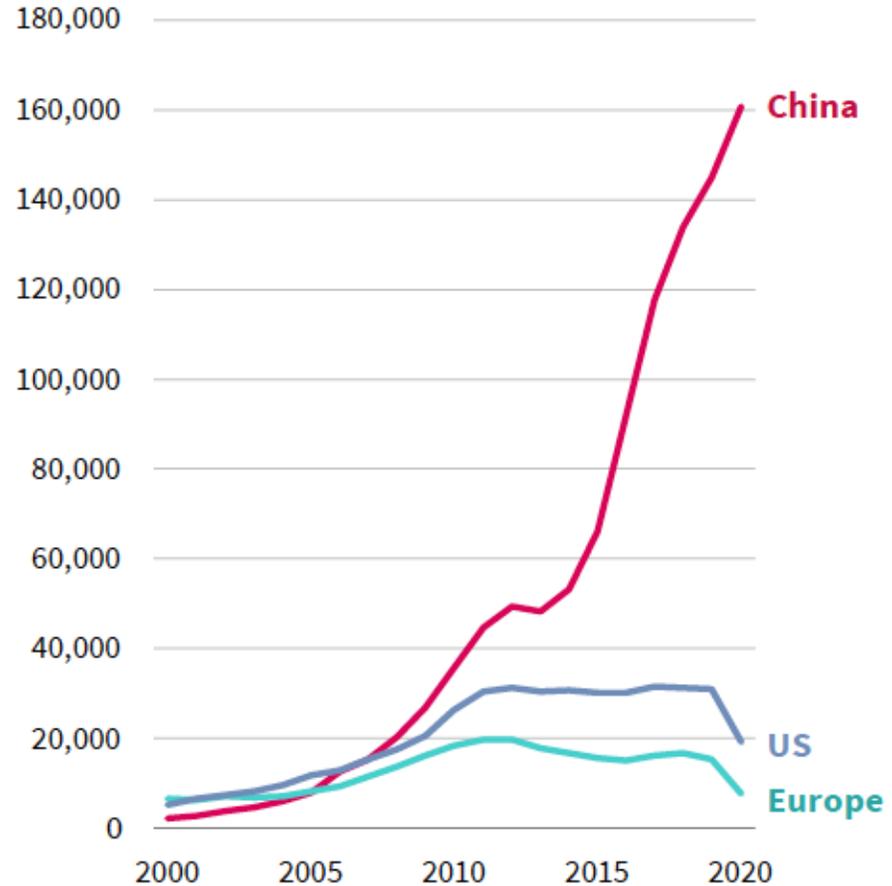
Which is why they dominate the production of all key clean energy technologies



And China understands the possibilities of the Renewable Era

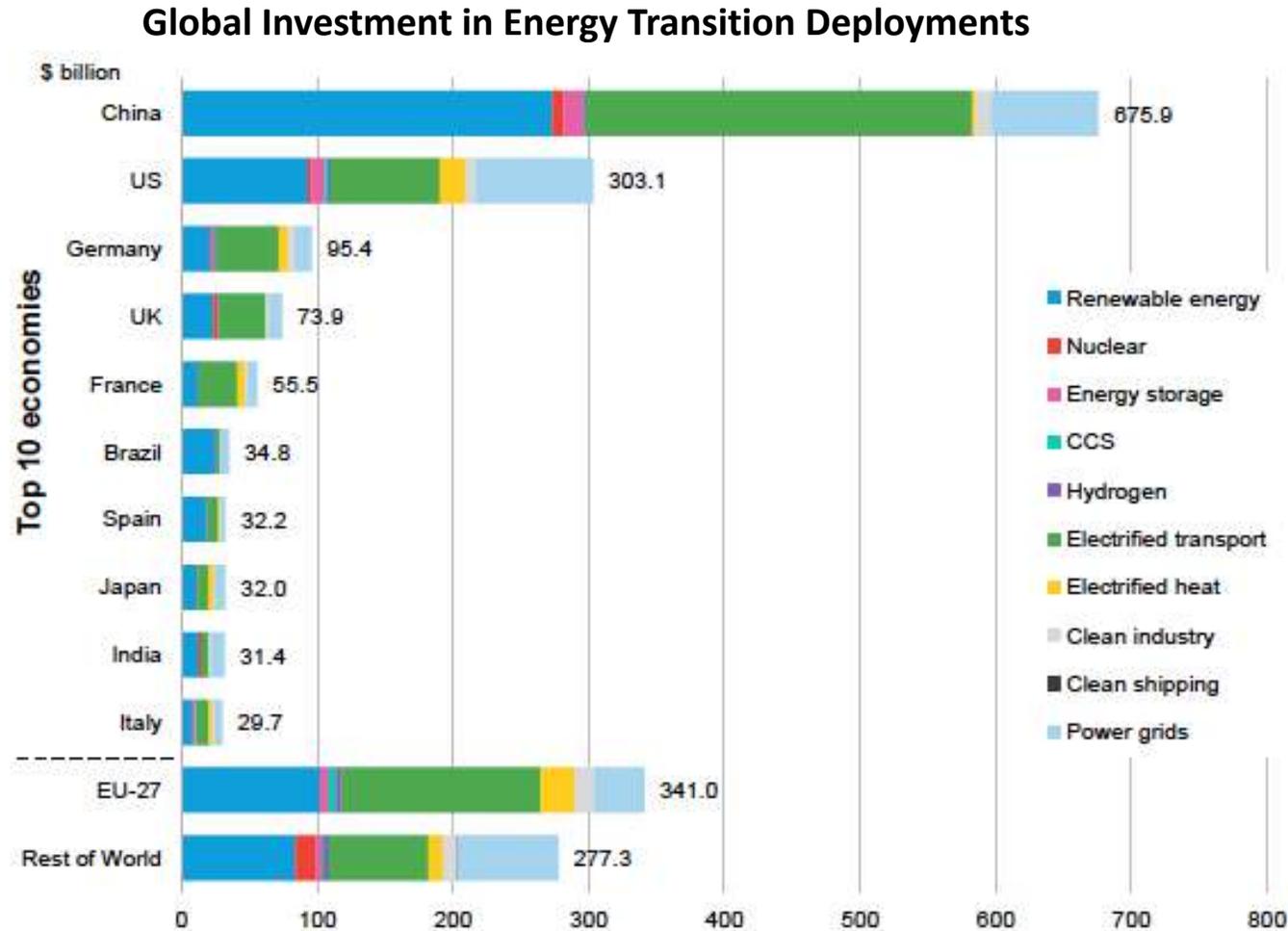
Which is why they dominate innovation and global patents

Number of Clean Energy Patents



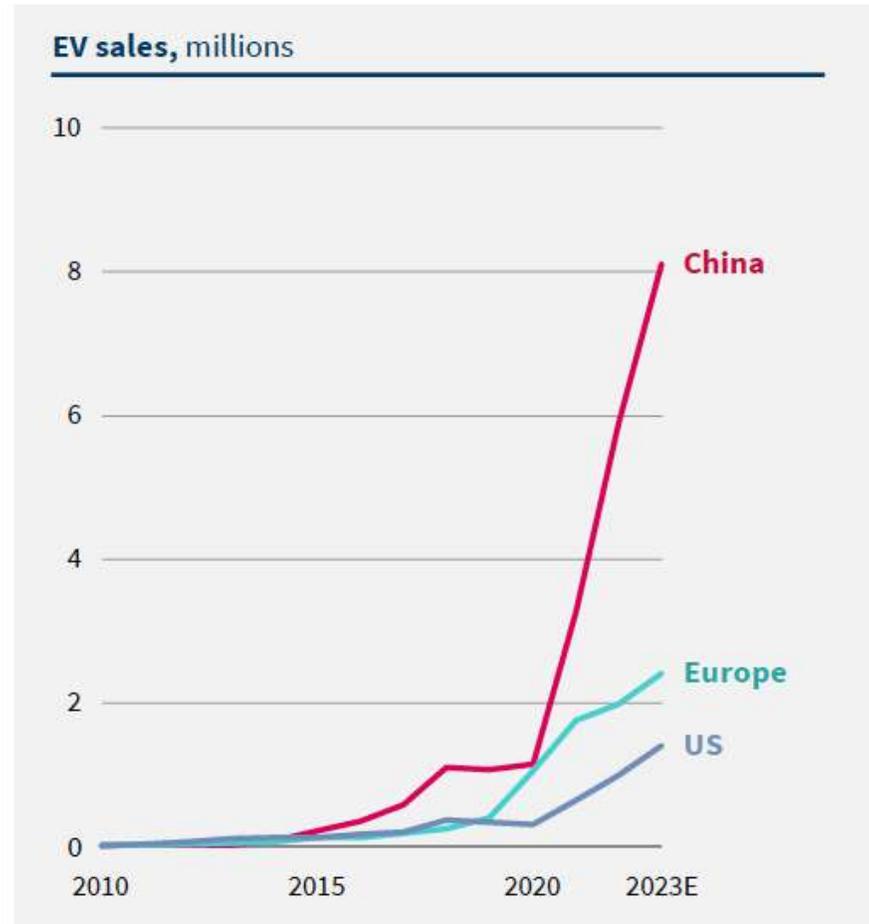
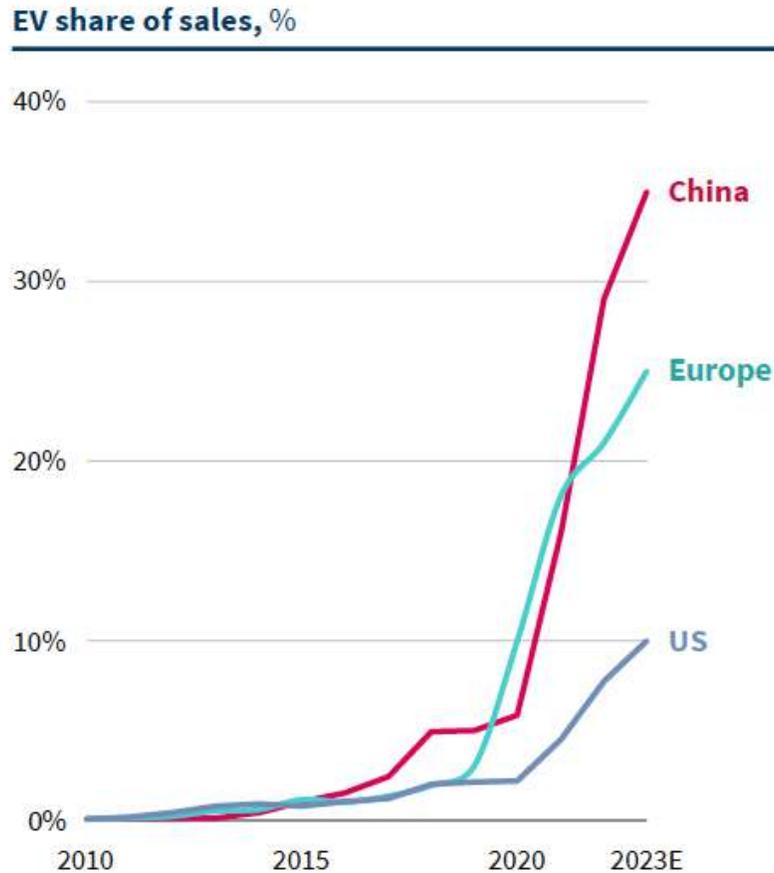
And China understands the possibilities of the Renewable Era

Which is why they are investing so much in clean energy



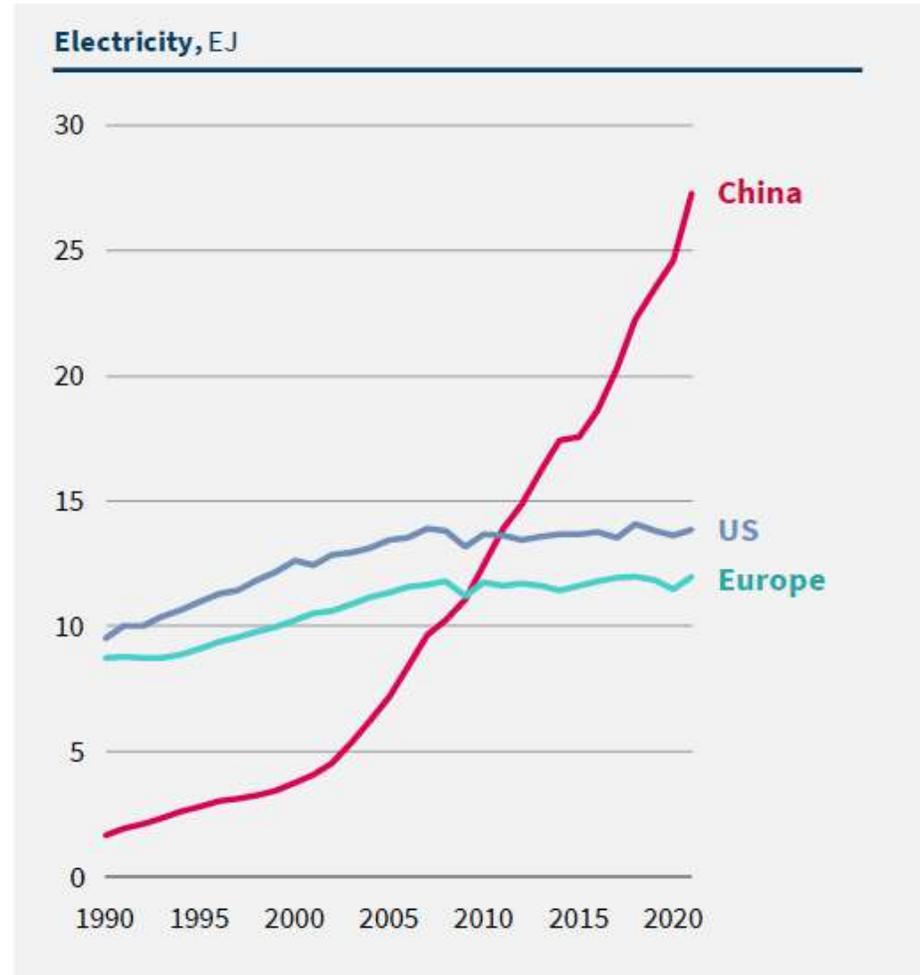
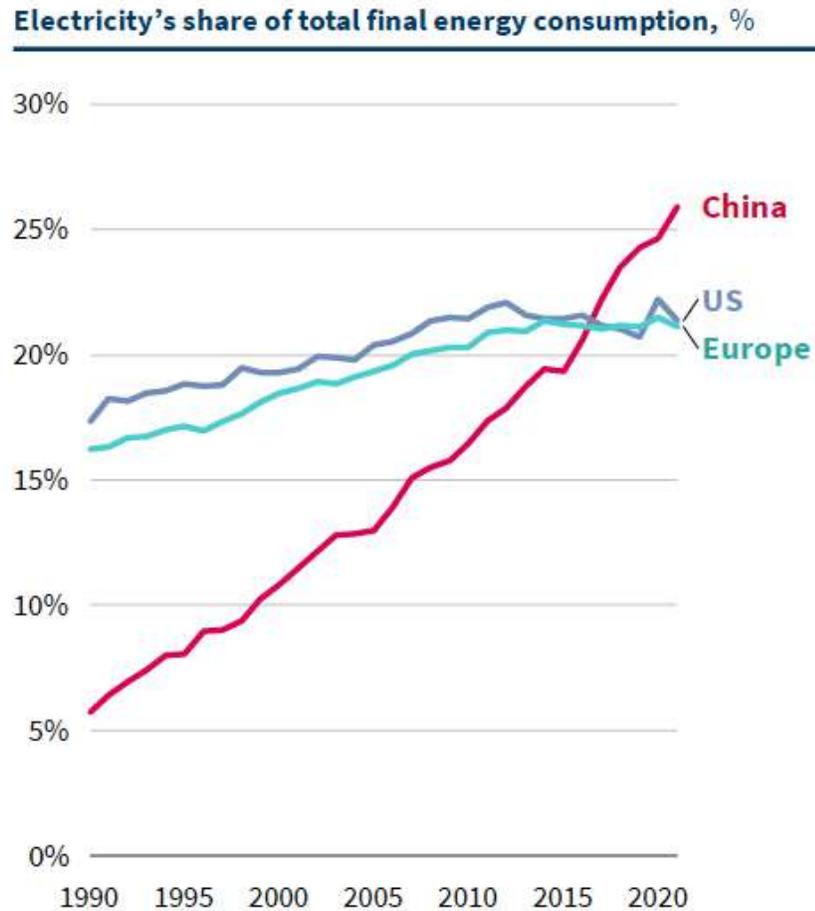
And China understands the possibilities of the Renewable Era

Which is why they dominate EV production and sales



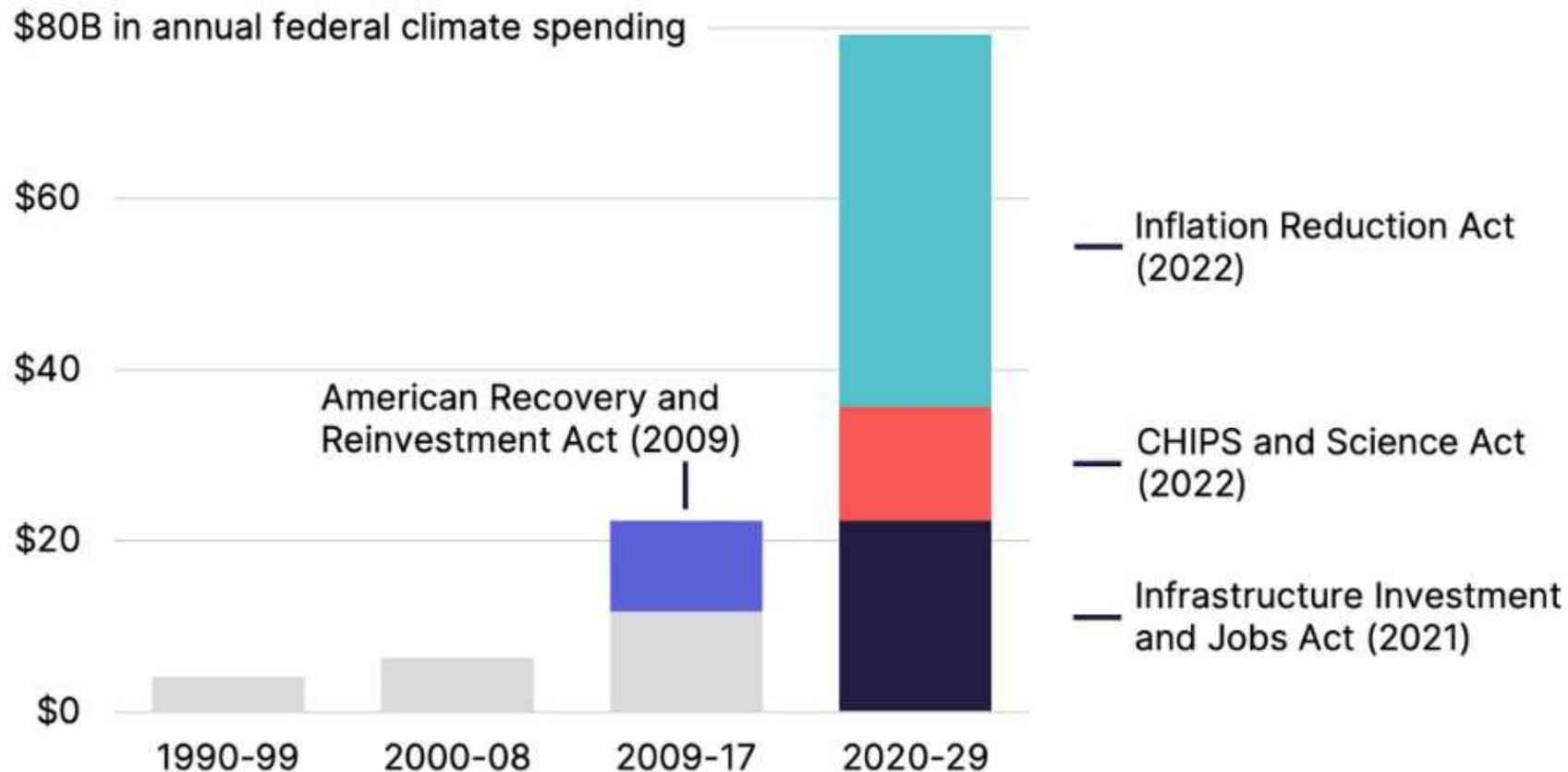
And China understands the possibilities of the Renewable Era

Which is why they are on their way to becoming the first ElectroState



The US has now woken up to the opportunities and challenges of the Renewable Era

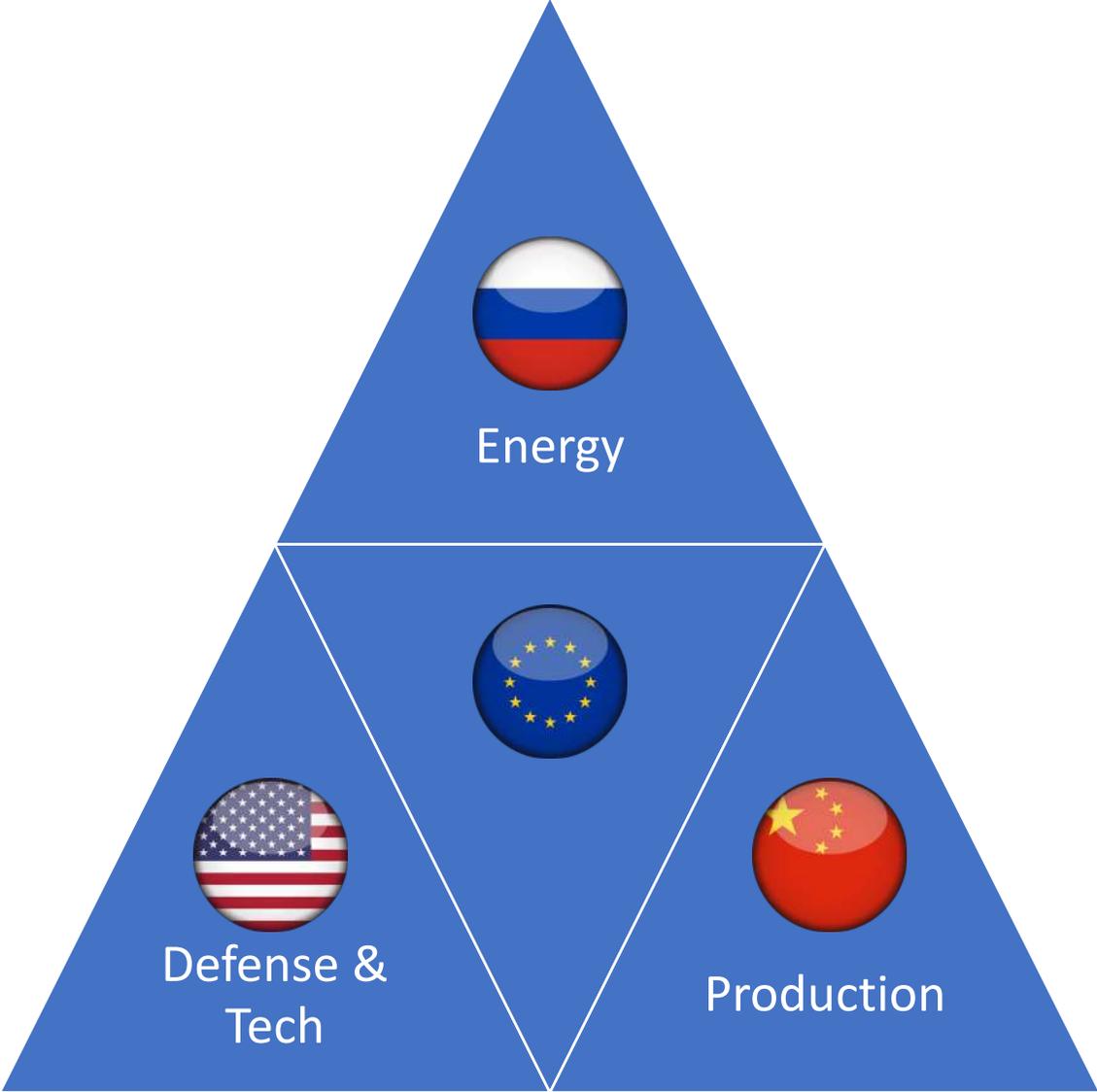
With a drive to bring production back home!



Meanwhile back in Europe – we are still sleeping at the wheel



Europe is stuck in the middle with some hard choices ahead..



Only way forward is to combine our strengths together

Airbus is the best example of this...

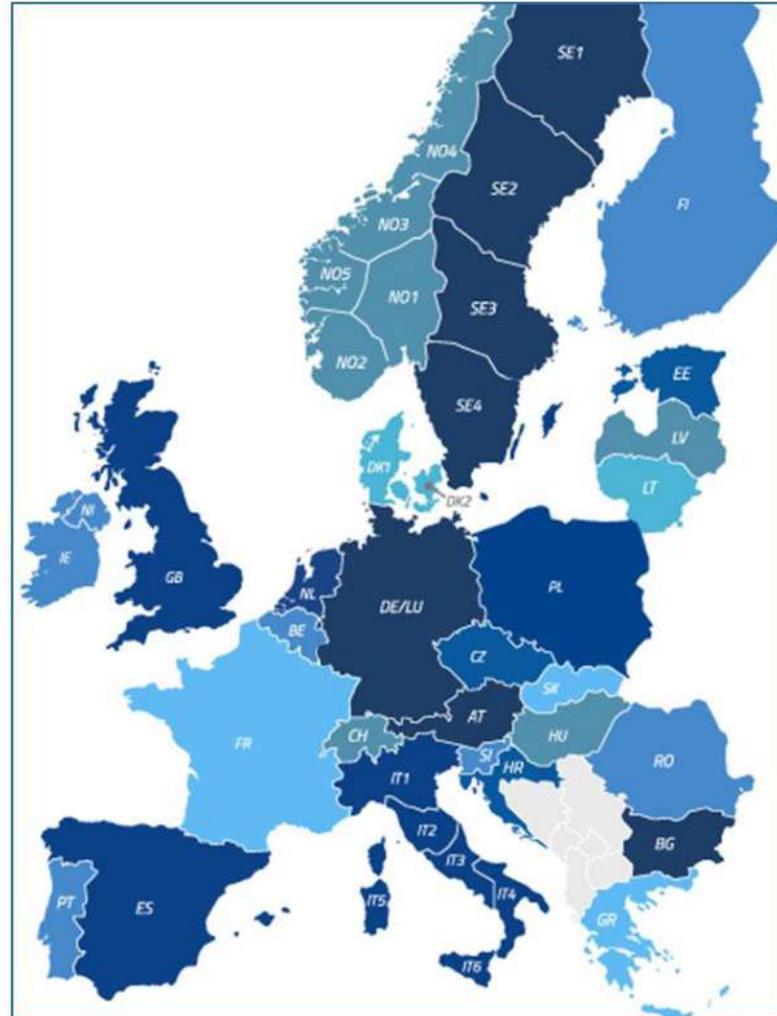
AIRBUS

IN € MILLION		FY 2023	FY 2022	Change
Order Intake (net)	Units	2,094	820	155.4%
Order Book		8,598	7,239	18.8%
Order Intake (net)	Value	162,571	59,727	172.2%
Order Book		490,812	390,456	25.7%
Deliveries	Units	735	661 ⁽¹⁾	11.2%
Revenues		47,763	41,428	15.3%
R&D Expenses		2,698	2,607	3.5%
<i>in % of Revenues</i>		5.6%	6.3%	
EBIT Adjusted		4,818	4,600	4.7%
<i>in % of Revenues</i>		10.1%	11.1%	
EBIT		3,610	4,800	-24.8%
<i>in % of Revenues</i>		7.8%	11.8%	



Only way forward is to unleash the power of the markets

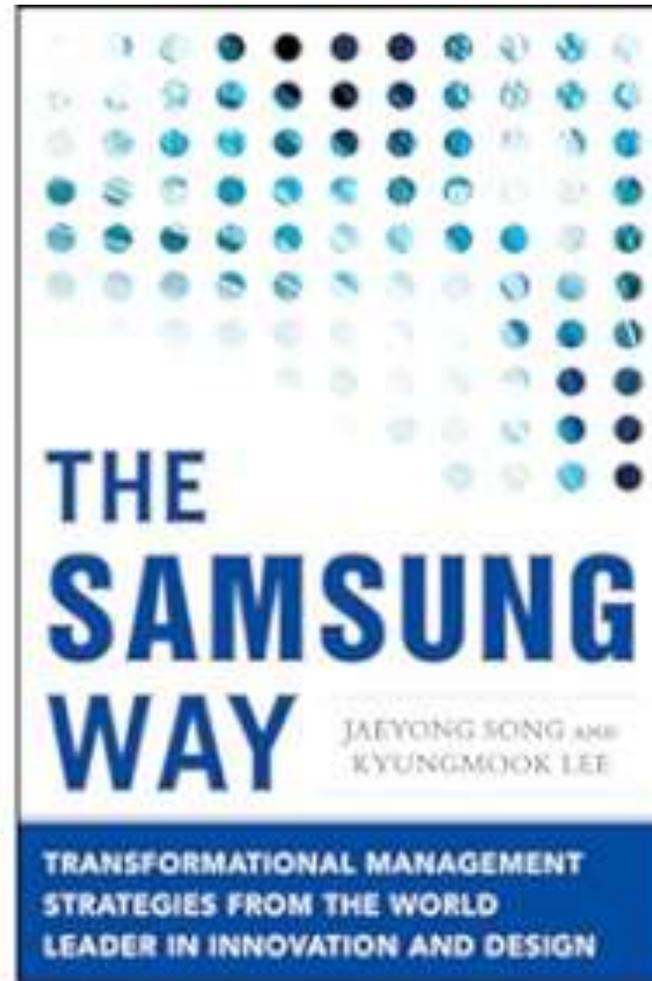
Lots of innovation and new business models in European electricity

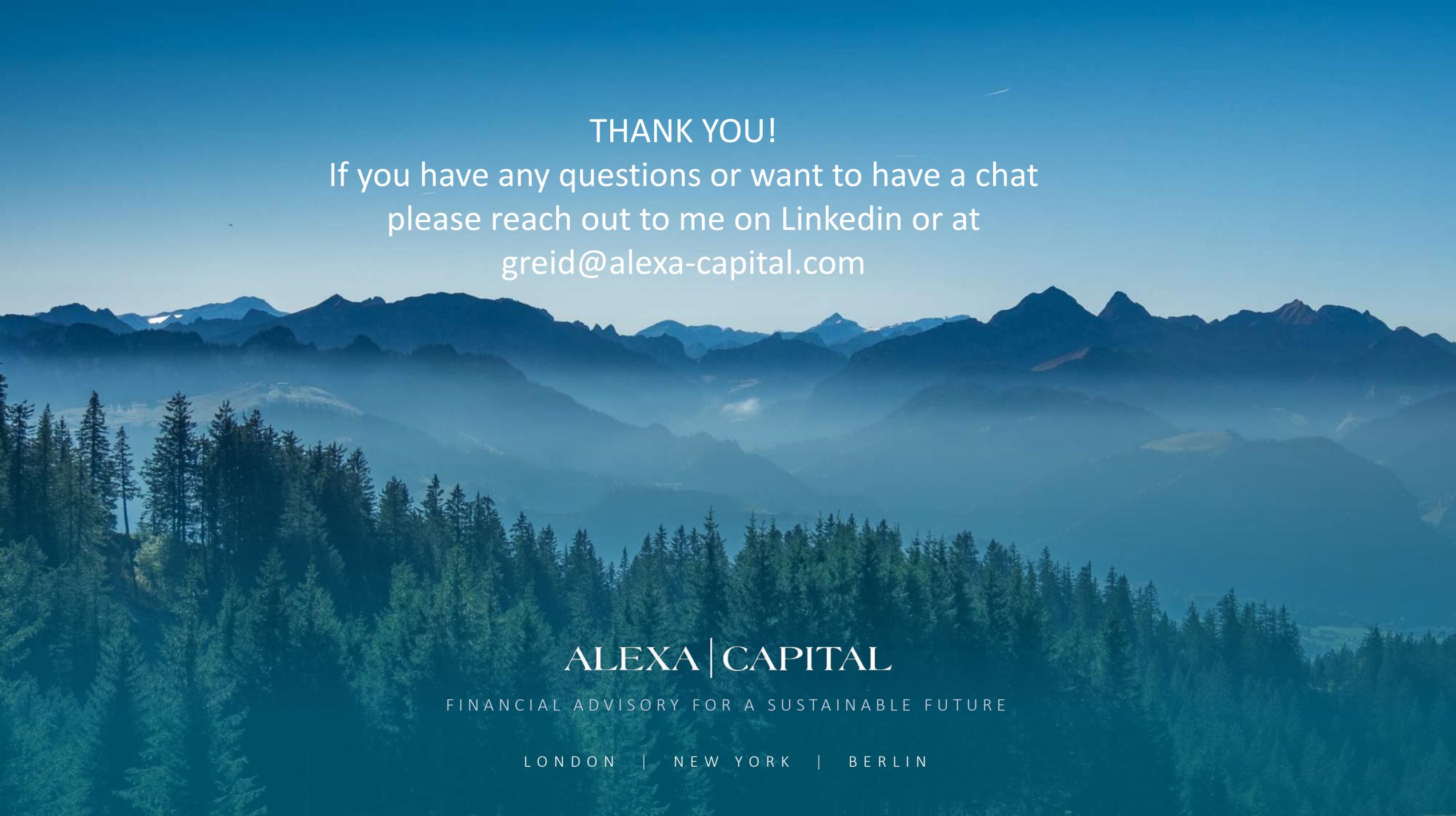


Source: ACER

Only way to forward is to embrace the future!

Bigger & Faster !



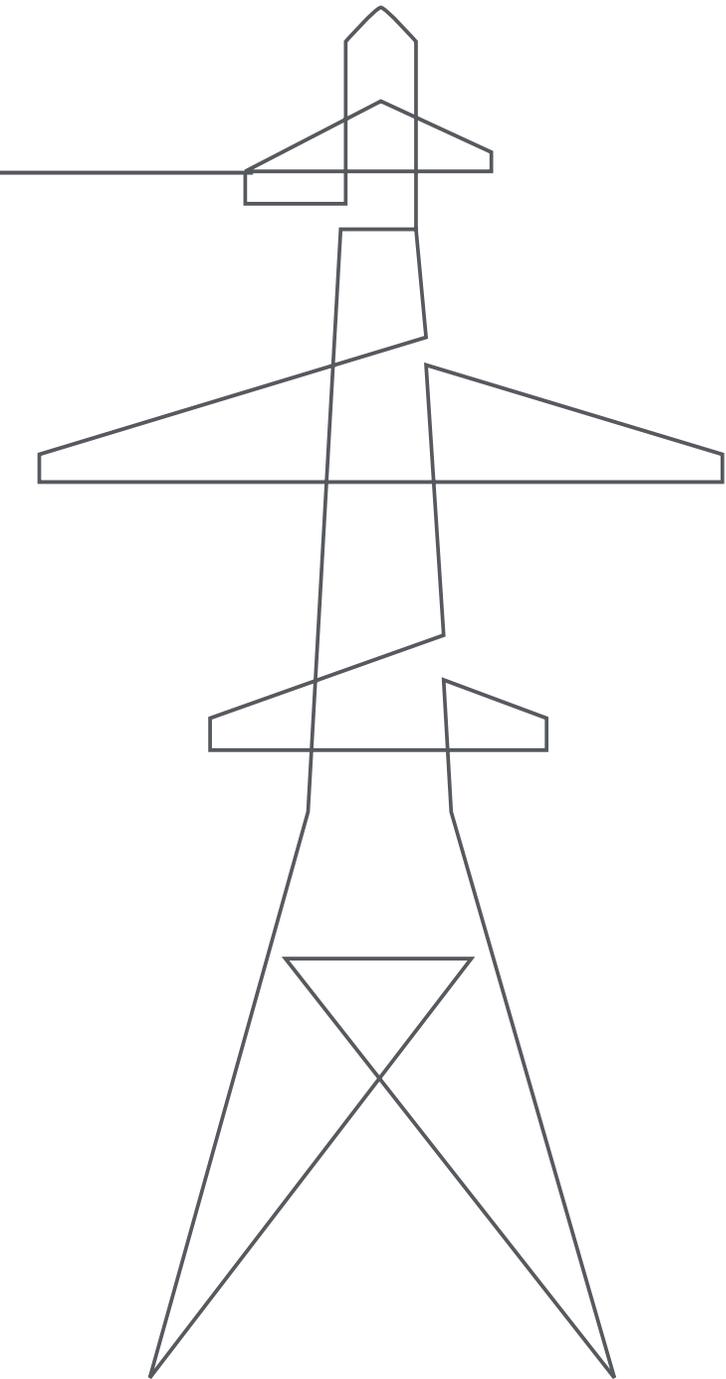


THANK YOU!
If you have any questions or want to have a chat
please reach out to me on LinkedIn or at
greid@alexa-capital.com

ALEXA | CAPITAL

FINANCIAL ADVISORY FOR A SUSTAINABLE FUTURE

LONDON | NEW YORK | BERLIN



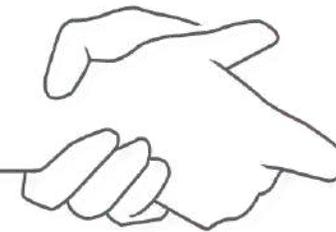
PANEL DISCUSSION

ELECTRICITY GRIDS *FOR A COMPETITIVE AND JUST EUROPE*

Renewables  Grid Initiative **15TH ANNIVERSARY
CONFERENCE**



ELECTRICITY GRIDS FOR A COMPETITIVE AND JUST EUROPE



Renewables
Grid Initiative 

MODERATOR



Antonella Battaglini
RGI



Gerard Reid
Alexa Capital



Volker Wendt
Europacable



Patrick Ten Brink
EEB



Catherine Vandendorre
Elia Group



Giles Dickson
WindEurope

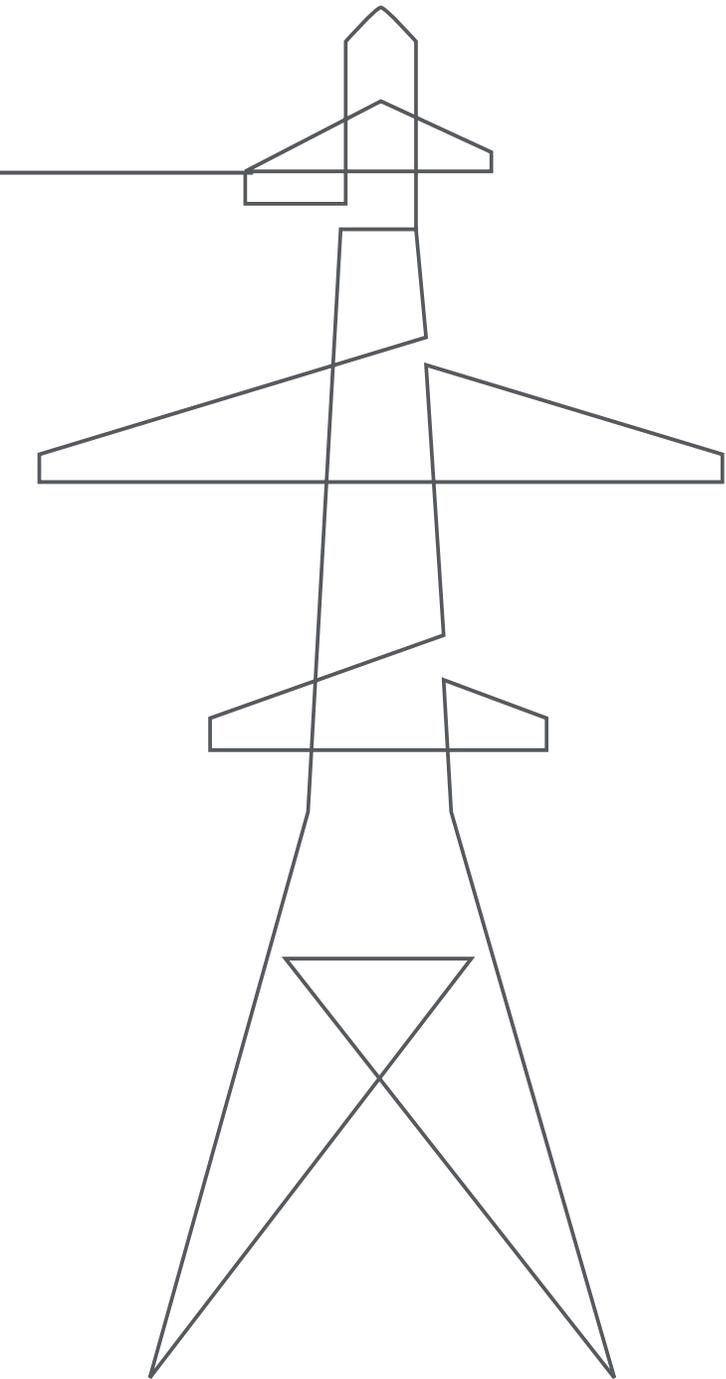
Renewables
Grid Initiative



15TH ANNIVERSARY
CONFERENCE



Centring People and Nature **WITHIN THE ACTION PLAN FOR GRIDS**



PANEL DISCUSSION

*COLLABORATIONS FOR A
NATURE-POSITIVE ELECTRICITY
SYSTEM: HOW CAN LINEAR
INFRASTRUCTURE CONTRIBUTE
TO NATURE-POSITIVE TARGETS*

Renewables
Grid Initiative



15TH ANNIVERSARY
CONFERENCE

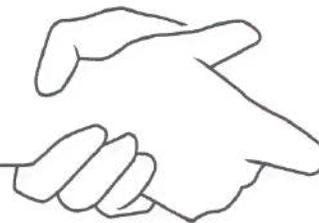
PANEL KEYNOTE

COLLABORATIONS FOR A NATURE-POSITIVE ELECTRICITY SYSTEM



Stewart Maginnis

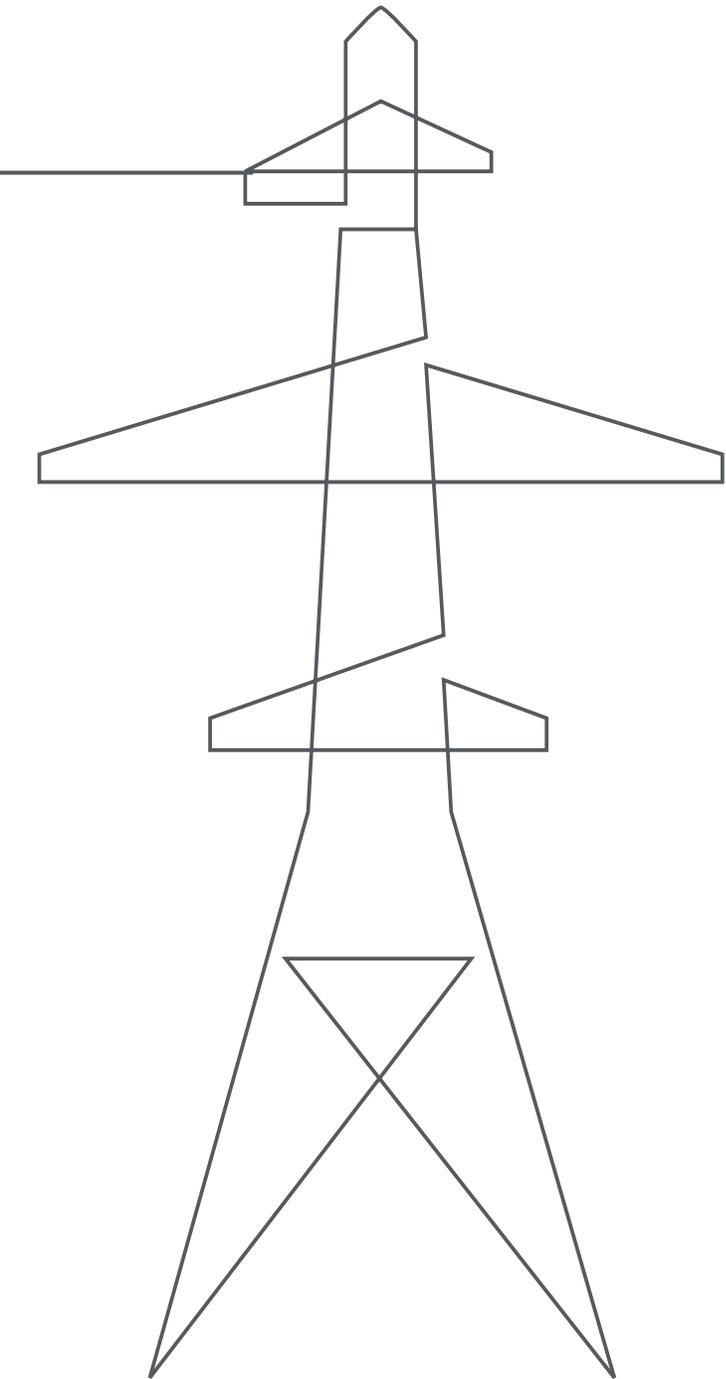
Deputy Director General, IUCN



Renewables
Grid Initiative



15TH ANNIVERSARY
CONFERENCE



PANEL DISCUSSION

*COLLABORATIONS FOR A
NATURE-POSITIVE ELECTRICITY
SYSTEM: HOW CAN LINEAR
INFRASTRUCTURE CONTRIBUTE
TO NATURE-POSITIVE TARGETS*

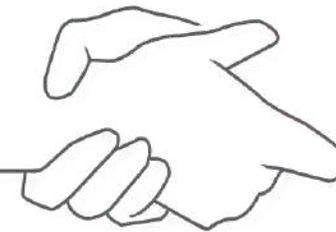
Renewables
Grid Initiative



15TH ANNIVERSARY
CONFERENCE



COLLABORATIONS FOR A NATURE-POSITIVE ELECTRICITY SYSTEM



Renewables
Grid Initiative 

MODERATOR



Rachel Asante
IUCN



Ariel Brunner
BirdLife



Cristina Simioli
RGI



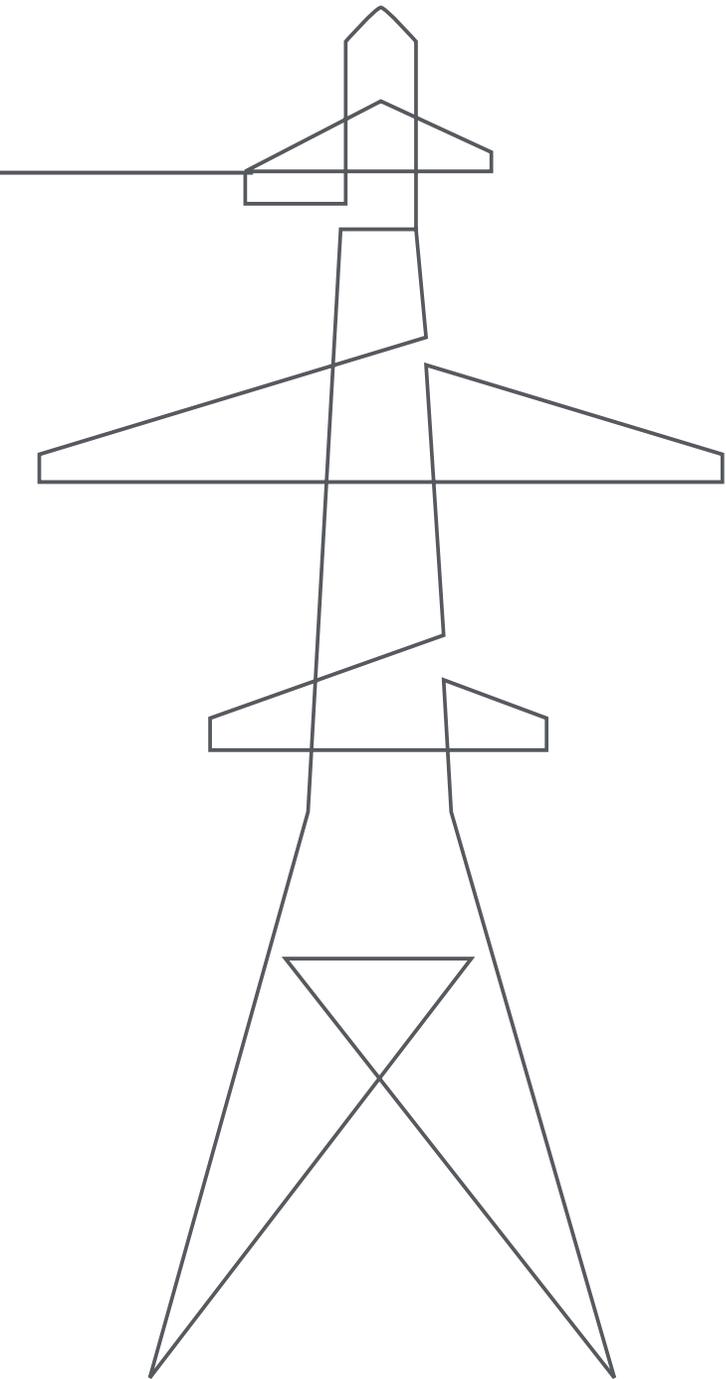
Damjan Medimorec
HOPS



Humberto Delgado Rosa
DG Energy, European
Commission



Lisa Garnier
RTE



PANEL DISCUSSION

A PEOPLE-CENTRED ENERGY TRANSITION: *IMPLEMENTING THE PACT FOR ENGAGEMENT*

Renewables  Grid Initiative **15TH ANNIVERSARY
CONFERENCE**

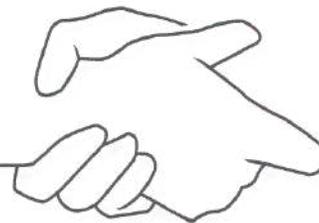
PANEL KEYNOTE

A PEOPLE-CENTRED ENERGY TRANSITION



Paul Kenny

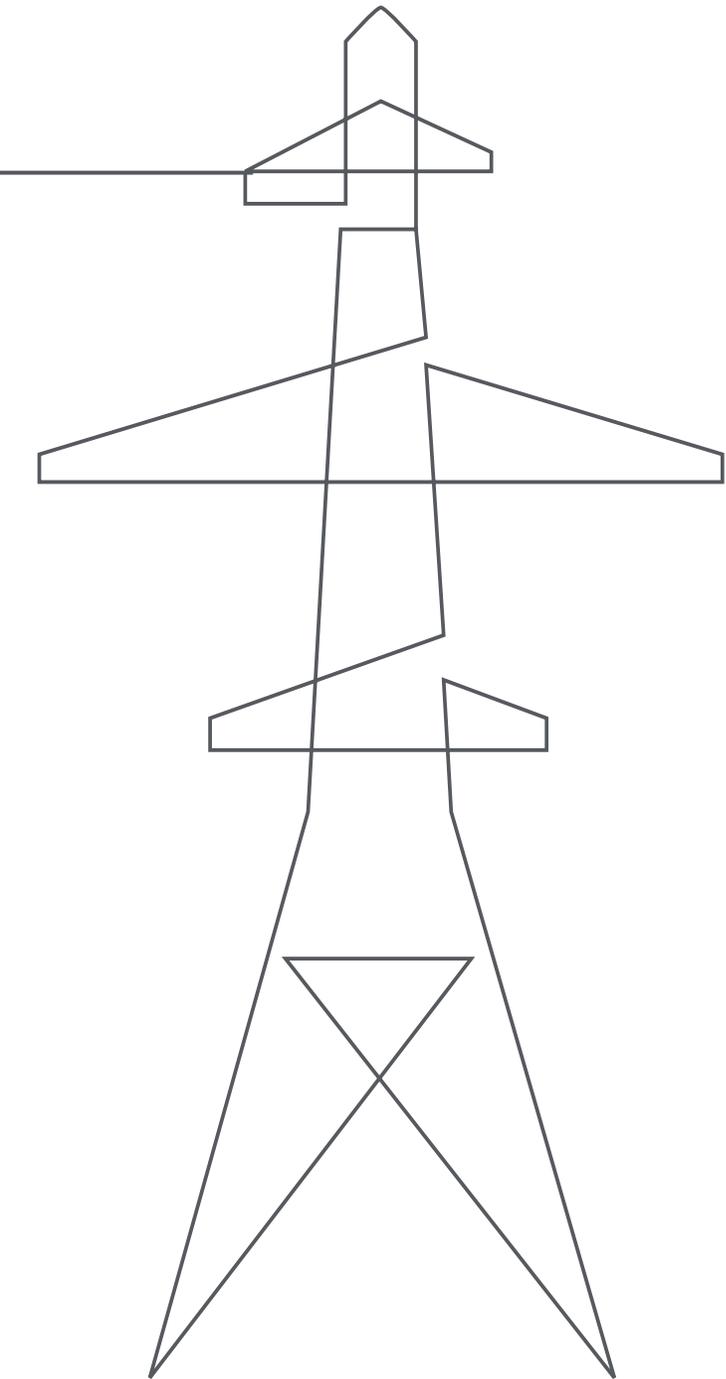
Special Advisor to Minister Eamon Ryan | Irish Ministry for the Environment, Climate and Communications



Renewables
Grid Initiative



15TH ANNIVERSARY
CONFERENCE



PANEL DISCUSSION

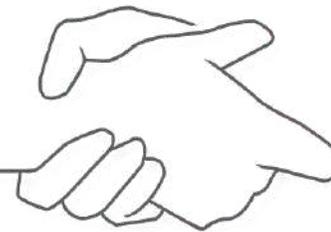
A PEOPLE-CENTRED ENERGY TRANSITION: *IMPLEMENTING THE PACT FOR ENGAGEMENT*

Renewables  Grid Initiative **15TH ANNIVERSARY
CONFERENCE**



A PEOPLE-CENTRED ENERGY TRANSITION

IMPLEMENTING THE PACT FOR ENGAGEMENT



Renewables
Grid Initiative 

MODERATOR



Andrzej Ceglarczyk
RGI



Alan Croes
ENTSO-E



Andrea Wainer
REN21



Peter Vermaat
EU DSO Entity



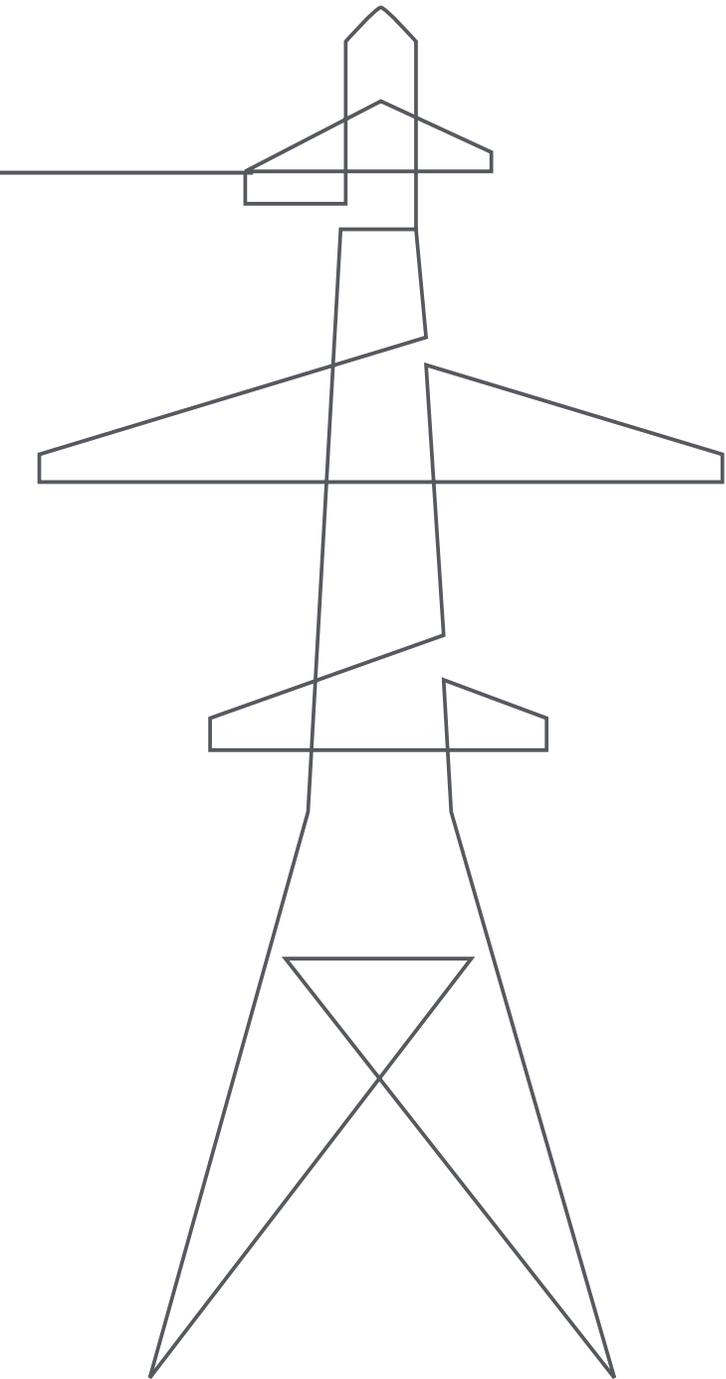
Catharina Sikow-Magny
DG Energy, European
Commission



Sinead Dooley
EirGrid



Paul Kenny
Irish Ministry



PANEL DISCUSSION

15 YEARS OF RGI: *THE POWER OF COLLABORATION*

Renewables
Grid Initiative

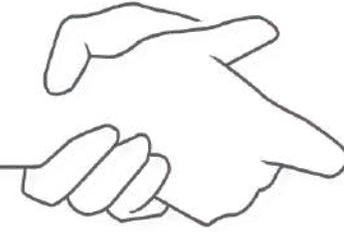


15TH ANNIVERSARY
CONFERENCE

15 YEARS OF RGI

THE POWER OF COLLABORATION

Renewables
Grid Initiative 



MODERATOR



Antonella Battaglini
RGI



Olivier Feix
50Hertz



Stephan Singer
CAN International



Ben Voorhorst
Formerly TenneT



Christoph Bals
Germanwatch

Renewables
Grid Initiative



15TH ANNIVERSARY
CONFERENCE



Let's celebrate together
WITH MUSIC AND DINNER!