



ERTC Virtual 2020

18 November 2020

HYDROGEN EUROPE

Jorgo Chatzimarkakis, Secretary General

HISTORICAL QUESTION

energypost.eu
THE BEST THINKERS ON ENERGY



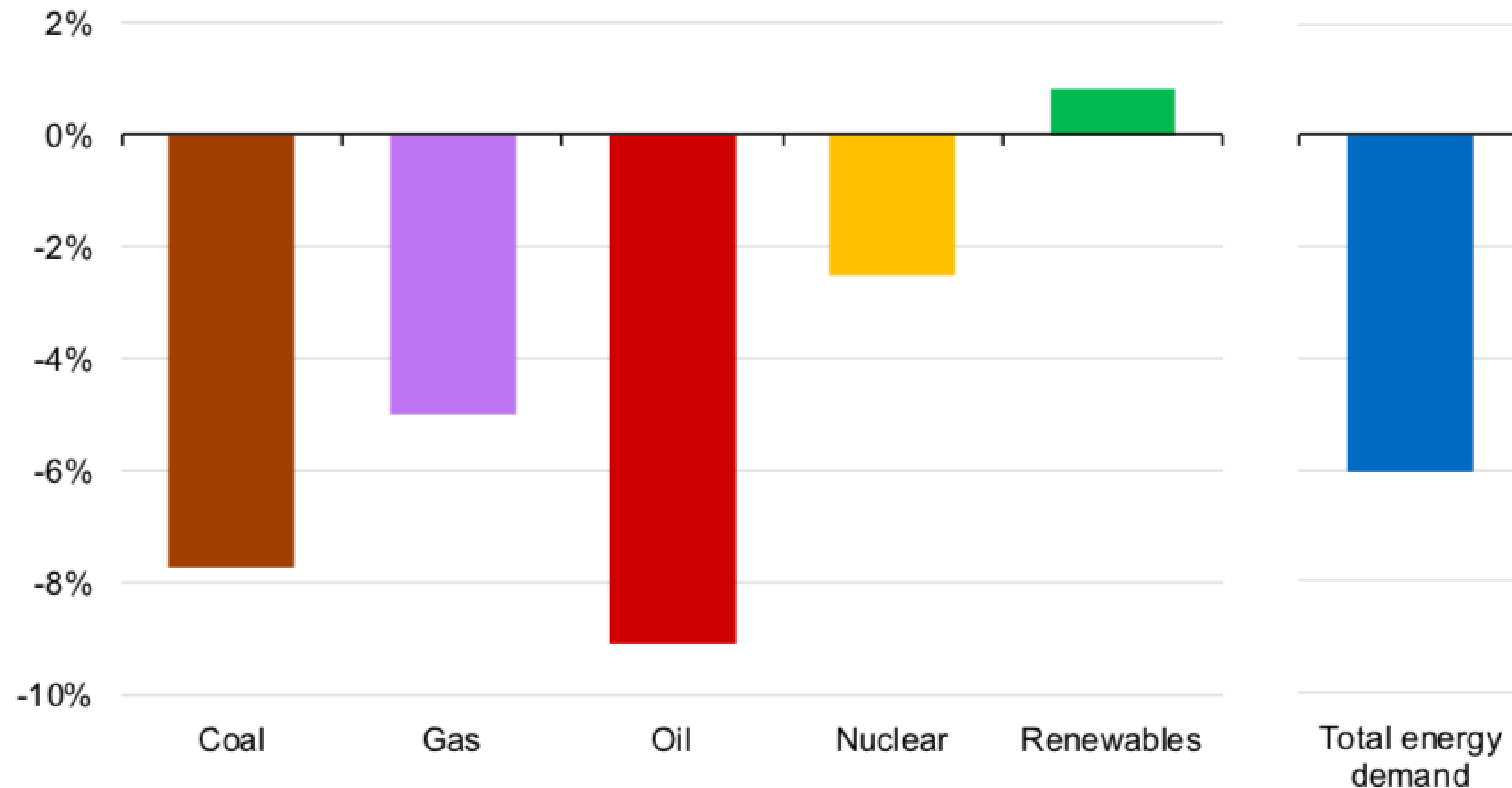
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Who will be the Hydrogen superpower? The EU or China

August 31, 2020 by [Sören Amelang](#) — [Leave a Comment](#)

HISTORICAL SITUATION DUE TO COVID-19

Projected change in primary energy demand by fuel in 2020 relative to 2019



Source: IEA April 2020

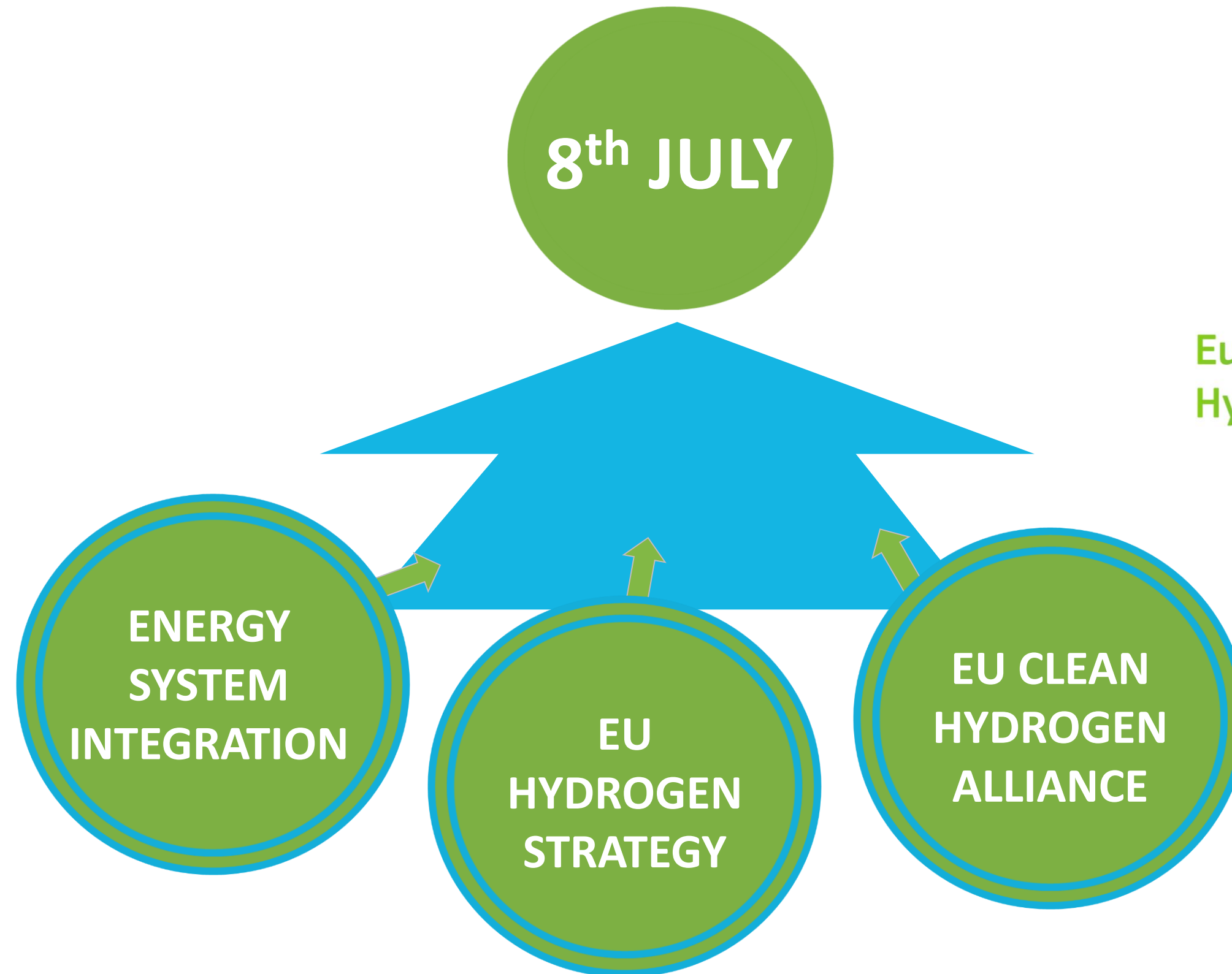
HISTORICAL APPROACH?

Green Hydrogen for a European Green Deal A 2x40 GW Initiative

Prof. Dr. Ad van Wijk
Jorgo Chatzimarkakis



HISTORICAL DAY: 3 IMPORTANT EU INITIATIVES



European Clean
Hydrogen Alliance



HISTORICAL MOMENTUM



16 Billion € only by the Franco-German Couple!

HISTORICAL POSITION FOR H2 IN EU POLITICS



COHERENT STRATEGY

VISION



Produce 40GW in Europe and 40GW in neighbouring countries by 2030.

COST

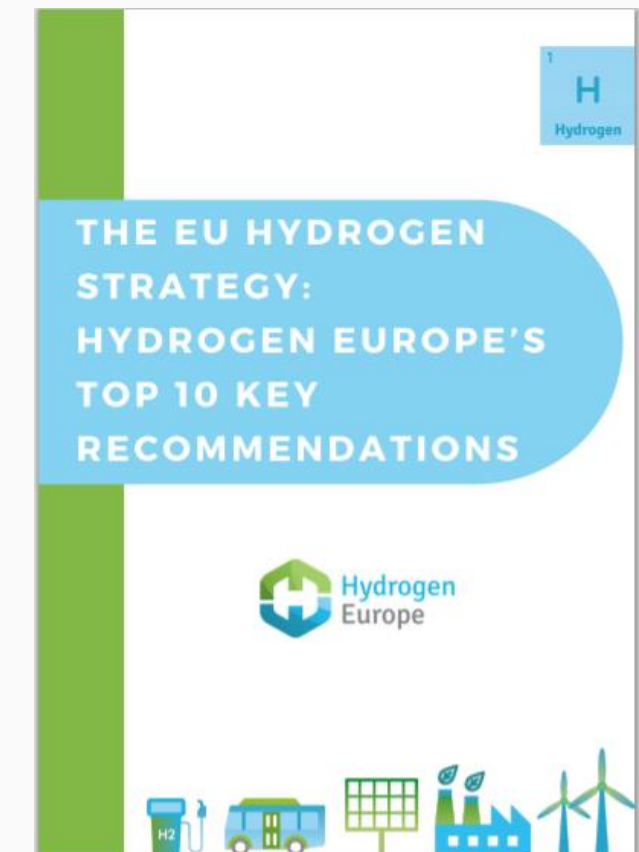


€430bn in funds are needed to kick start the hydrogen economy.

COMMITMENT



RECOMMENDATIONS



Input to the Hydrogen Strategy: providing an enabling regulatory framework at EU level.

THE MAIN TOOL

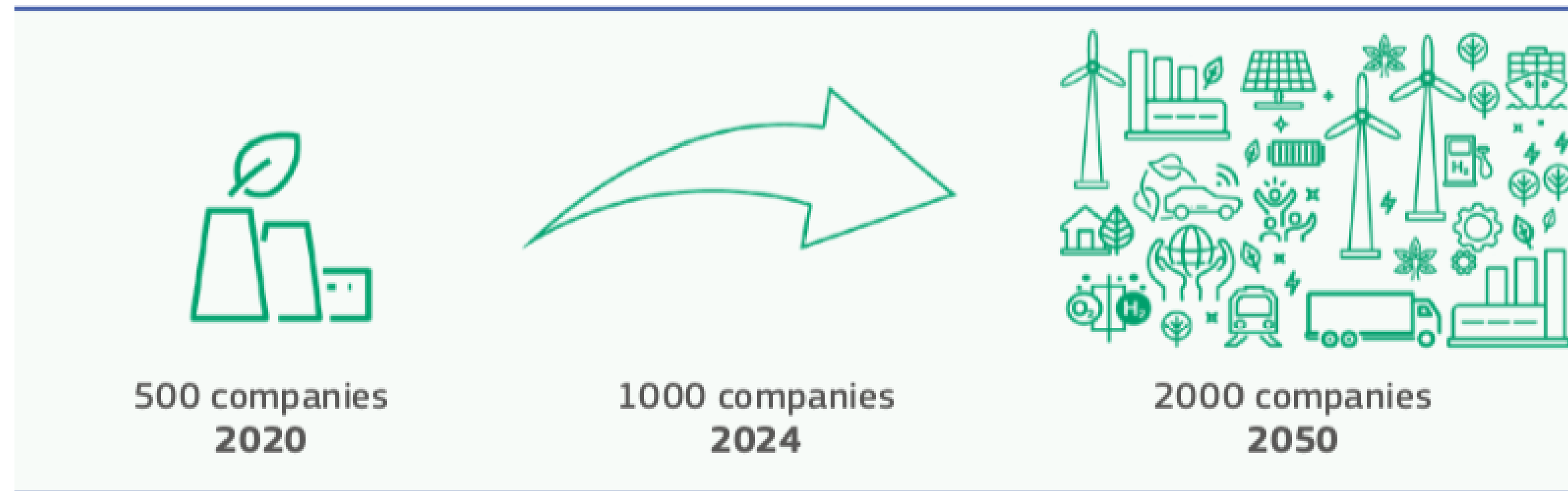
European Clean Hydrogen Alliance

Kick-starting the EU Hydrogen Industry to
achieve the EU climate goals



BUILDING A H2 ECOSYSTEM / SCALING UP

Participation in the Clean Hydrogen Alliance



Focus on renewable hydrogen



CLEAR TARGETS

Emission reduction potential in industries



min. 9 million tons per year
2024



min. 90 million tons per year
2020

Investment needs in renewable hydrogen electrolyzers:



€ 5-9 billion
2024



€ 26-44 billion
2030

FINANCIAL ENGINEERING



European Clean
Hydrogen Alliance



HISTORICAL CHANGE OF STATE AID RULES

The European
Green Deal

#EUGreenDeal

Carbon Border
Adjustment Mechanism



NEW PRIORITIES FOR A SYSTEMIC CHANGE

It's the carbon content, stupid!



EXAMPLE OFFSHORE INITIATIVE

Communication
on Offshore
Renewable
Strategy

“HydroGenewables”

CLEAN H2 CORRIDORS

TEN-E
Regulation
recast

HE CTF Meeting – 03.05.2018



EU NEEDS A HYDROGEN ACT

EU Hydrogen Act



Hydrogen Infrastructure



Hydrogen Market

EUROPE'S HISTORICAL ROLE



Create the world's leading
market for Clean
Hydrogen



Our mission – zero emission!

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