



A GROWTH
CAPITAL FUND
DEDICATED TO
ENERGY
TRANSITION

United Nations
10th Session of the Group of Experts on Gas

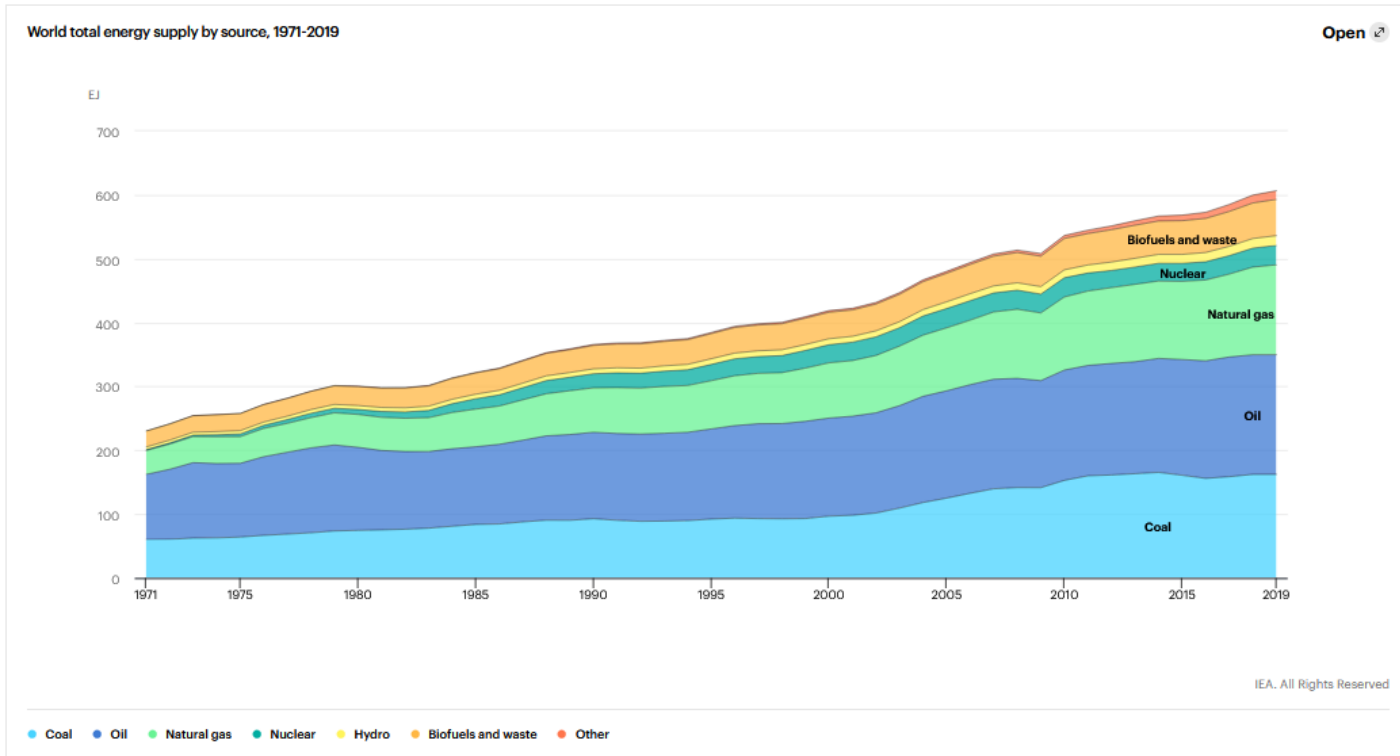
Geneva
23 March 2023

SIPAREX
/ Group

TiLT ||| **CAPITAL**
PARTNERS

ENERGY

Fossil fuels are ultra dominant



ENERGY TRANSITION – A BIG BANG RATHER

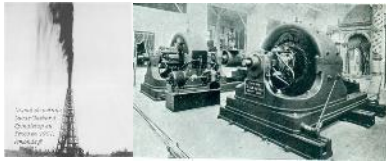
The whole energy paradigm is being challenged

1st industrial revolution



Innovation: steam engine
Energy: Coal (24MJ/kg)

2nd industrial revolution



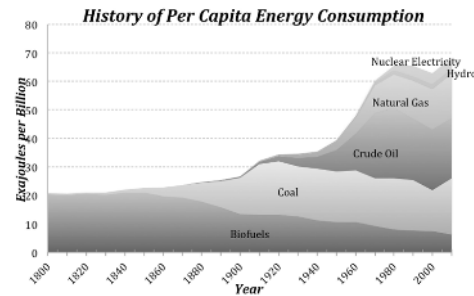
Innovation: combustion engine, electrical engine
Energy: Oil (45MJ/kg)

3rd industrial revolution



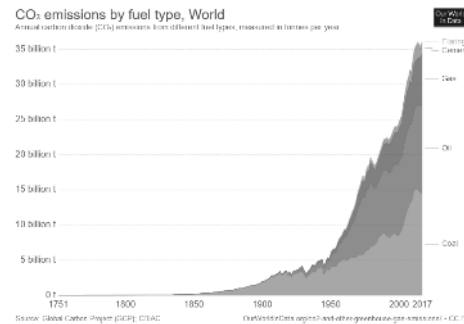
Innovation: microchip, internet
Energy: Nuclear (80TJ/kg) et gas (40MJ/kg)

A dramatic increase in energy consumption



Source : Université de Pennsylvanie (2015)

An exponential surge of GHG emissions



Source : OurWorldInData (2018)

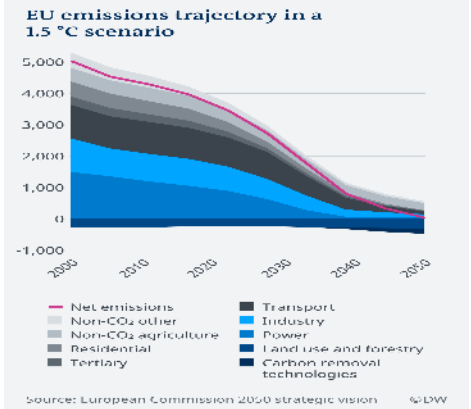
4th industrial reévolution : a new energy paradigm



Innovation : Big data, M2M ommunication (networks), IoT, AI, robots, autonomous vehicles

Energy : decarbonized, decentralized, distributed, low density (batteries <1MJ/kg)

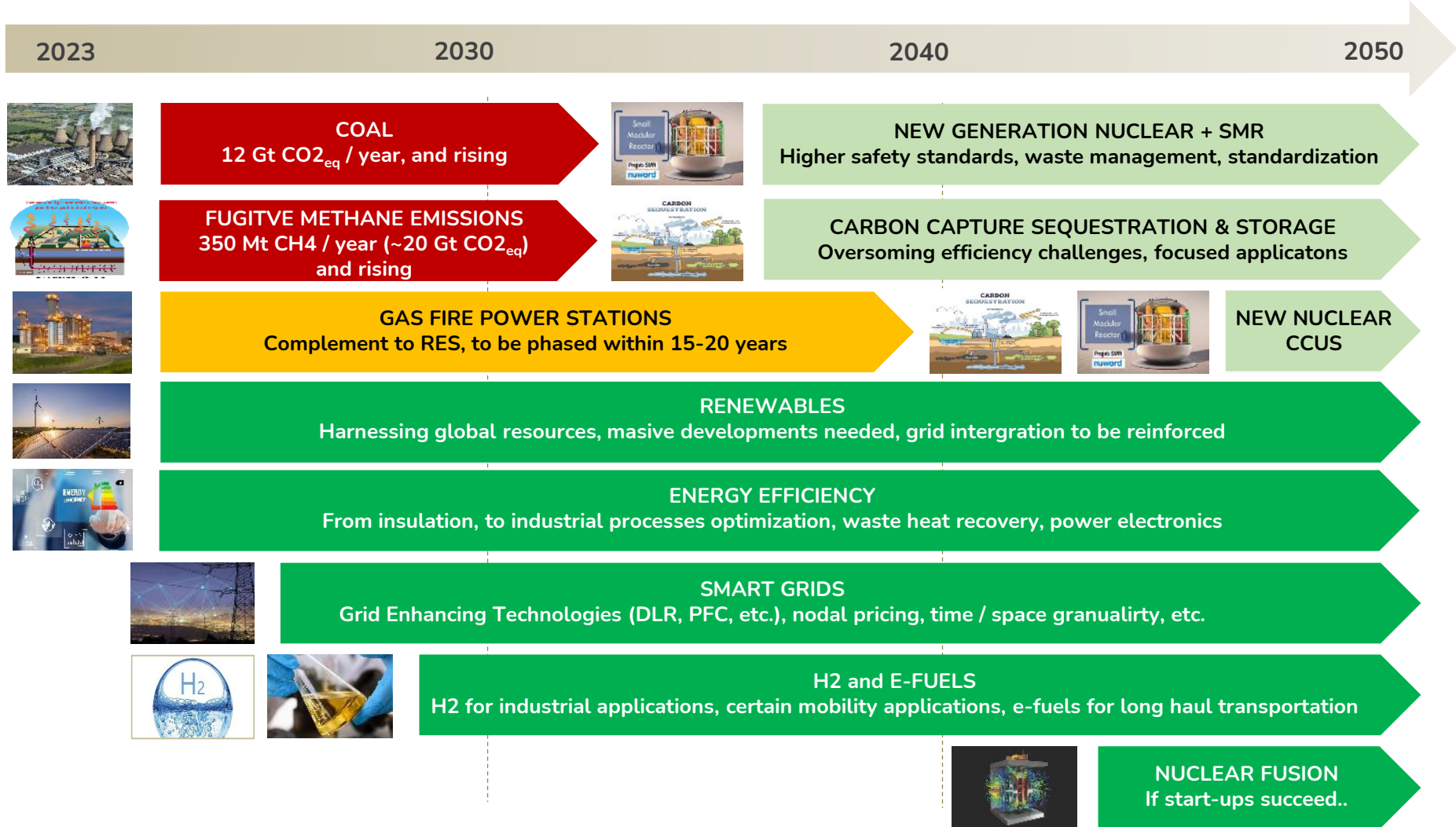
An unprecedented industrial challenge



Source: European Commission 2050 strategic vision | © DW

ENERGY TRANSITION – A VIEW

“Transition” means organizing the shift from old technologies to new ones



ENERGY & GEOPOLITICS

Rethinking security of supply with energy justice and new demand sources



Climate & Social Justice



Termination of rents



Supply chains



From fossil fuels to M&M



**SOLIDARITY &
DIPLOMACY**



**TRADE INTEGRATION
& INDEPENDANCE**