



SOUTHERN  
**AFRICA EUROPE**  
CEO DIALOGUE



The European House  
**Ambrosetti**

# SOUTHERN AFRICA EUROPE CEO DIALOGUE

7<sup>th</sup> Edition

**Johannesburg** – The Capital On The Park & **Virtual Platform**  
**November 26-27, 2020**

BUILDING AN EXCLUSIVE, INFLUENTIAL COMMUNITY OF LEADERS FOR GROWING  
THEIR ENTERPRISES, THEIR COUNTRIES, AND THEIR CONTINENTS

## PRESENTATION BY VALERIO FACCENDA

November 2020

# A BROADER ENERGY TRANSITION



Southern Africa Europe  
CEO Dialogue

# A BROADER ENERGY TRANSITION: DIGITALISATION AND NEW TECHNOLOGIES TO FOSTER SUSTAINABILITY

## Main advantages

It boosts **energy efficiency**.

It speeds up the **digitalisation of the energy sector**.

It generates **bigger profits** for the companies that introduce it.

It lessens **CO<sub>2</sub> emissions** and helps to combat **climate change**.

It encourages a substantial and structural reduction in **electricity prices and volatility**.

It promotes the **sustainable development**.

It improves **air quality**.

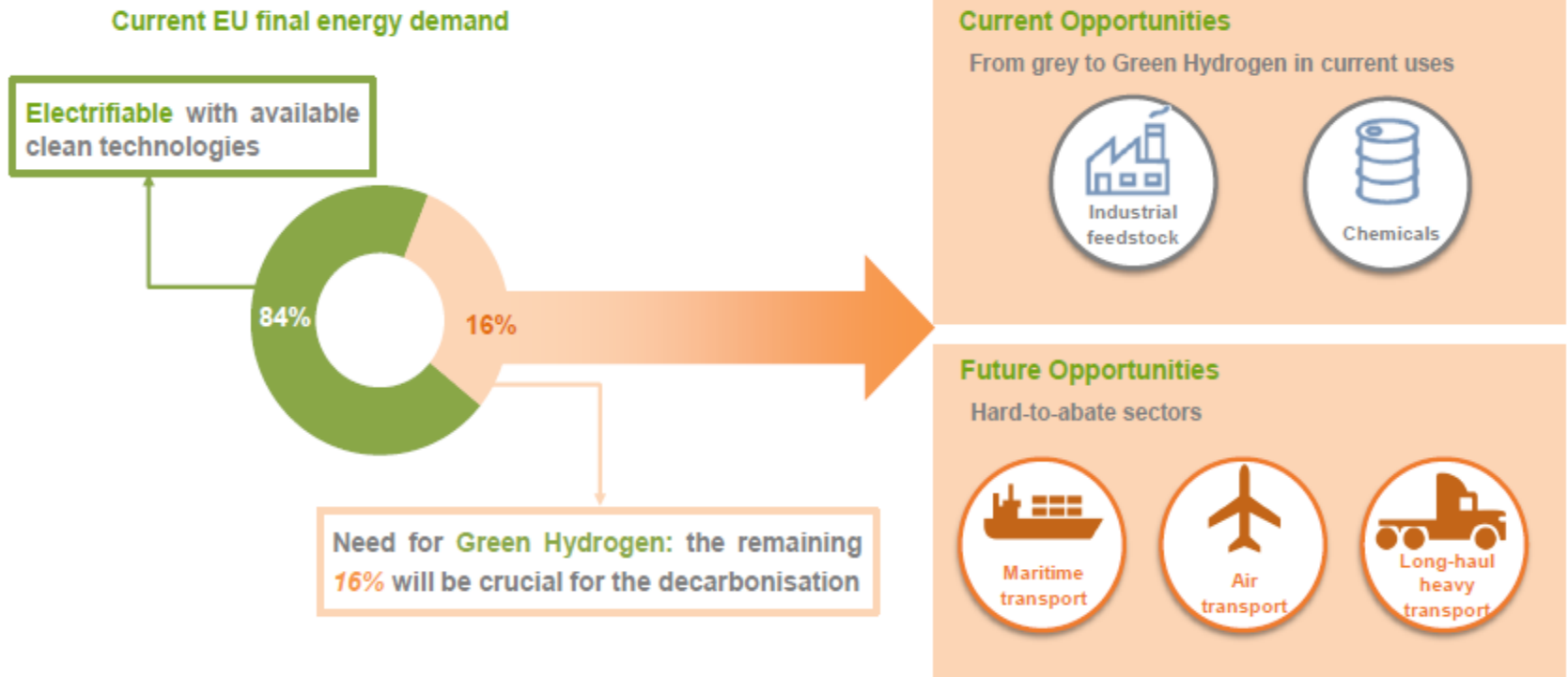
It promotes the **industrial revitalisation and job creation**.

It boots the roll-out of **renewable energies**.

It helps **reduce energy dependence** on oil and gas.

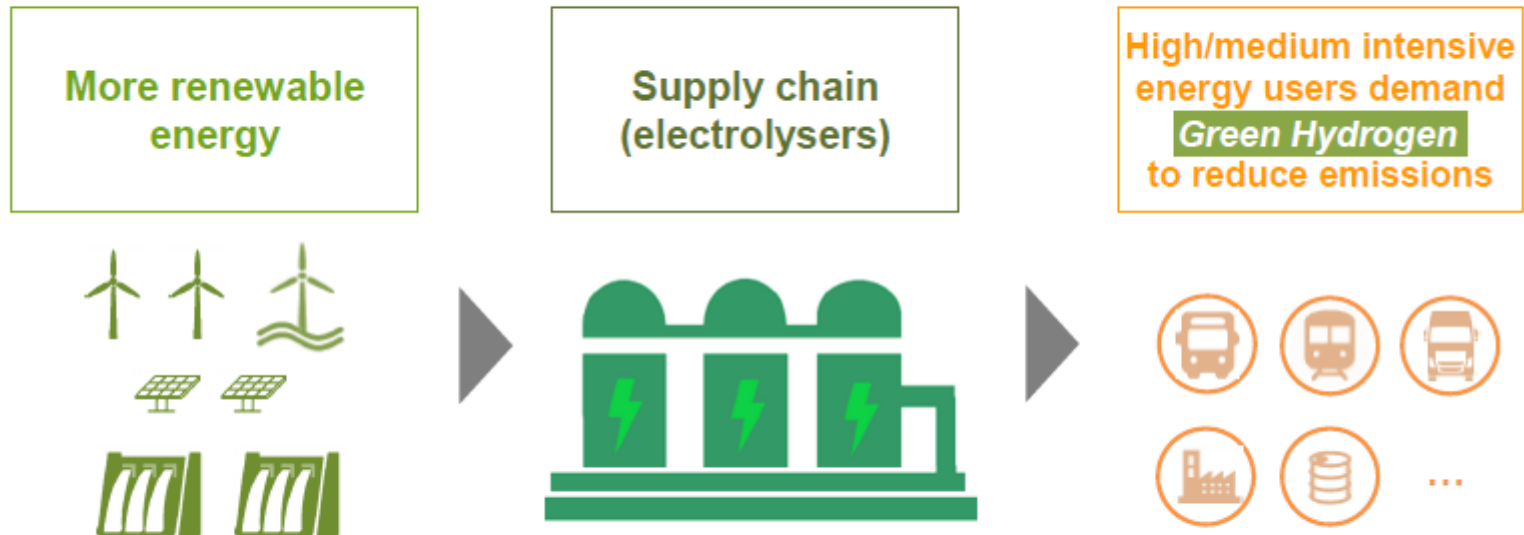
# A BROADER ENERGY TRANSITION: DIGITALISATION AND NEW TECHNOLOGIES TO FOSTER SUSTAINABILITY

Green Hydrogen, key to decarbonize industrial uses and hard-to-abate sectors



# A BROADER ENERGY TRANSITION: DIGITALISATION AND NEW TECHNOLOGIES TO FOSTER SUSTAINABILITY

Production of **Green Hydrogen** will boost **renewable energy**:

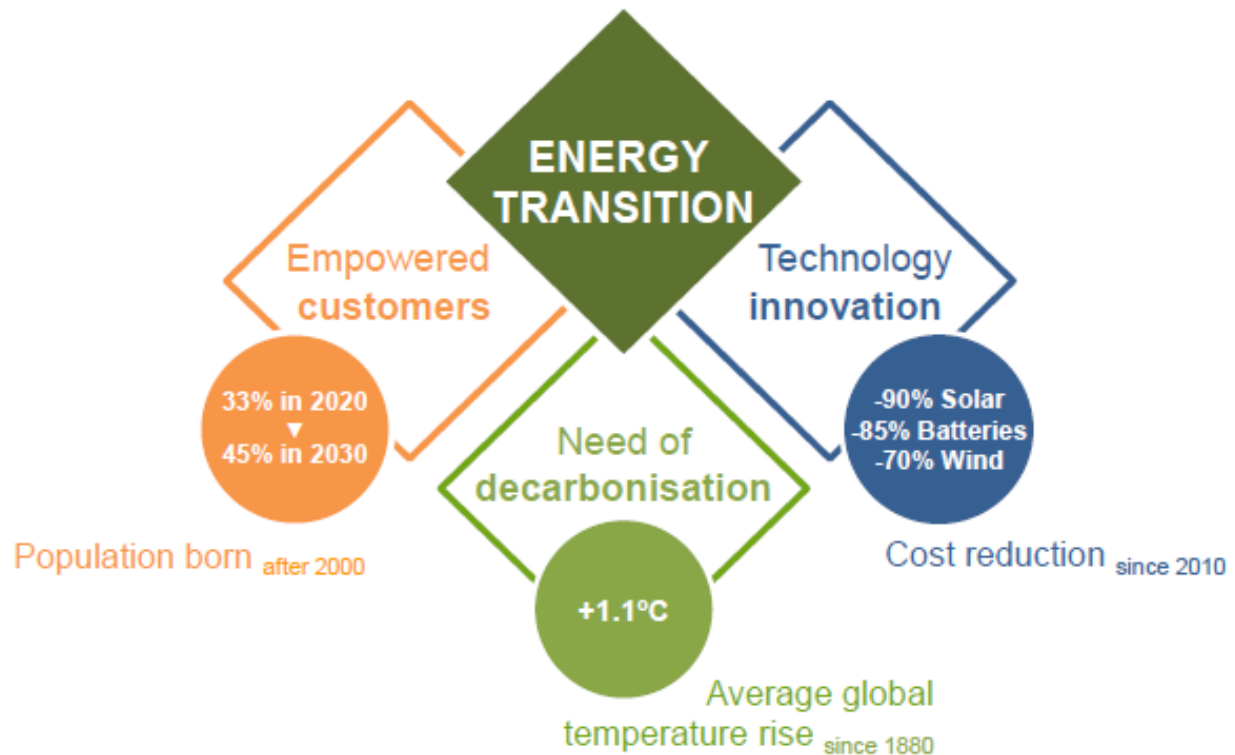


Replacing all grey hydrogen in the world would require **3,000 TWh/year<sup>1</sup>** from **new renewables**

<sup>1/</sup> Equivalent to current demand of Europe

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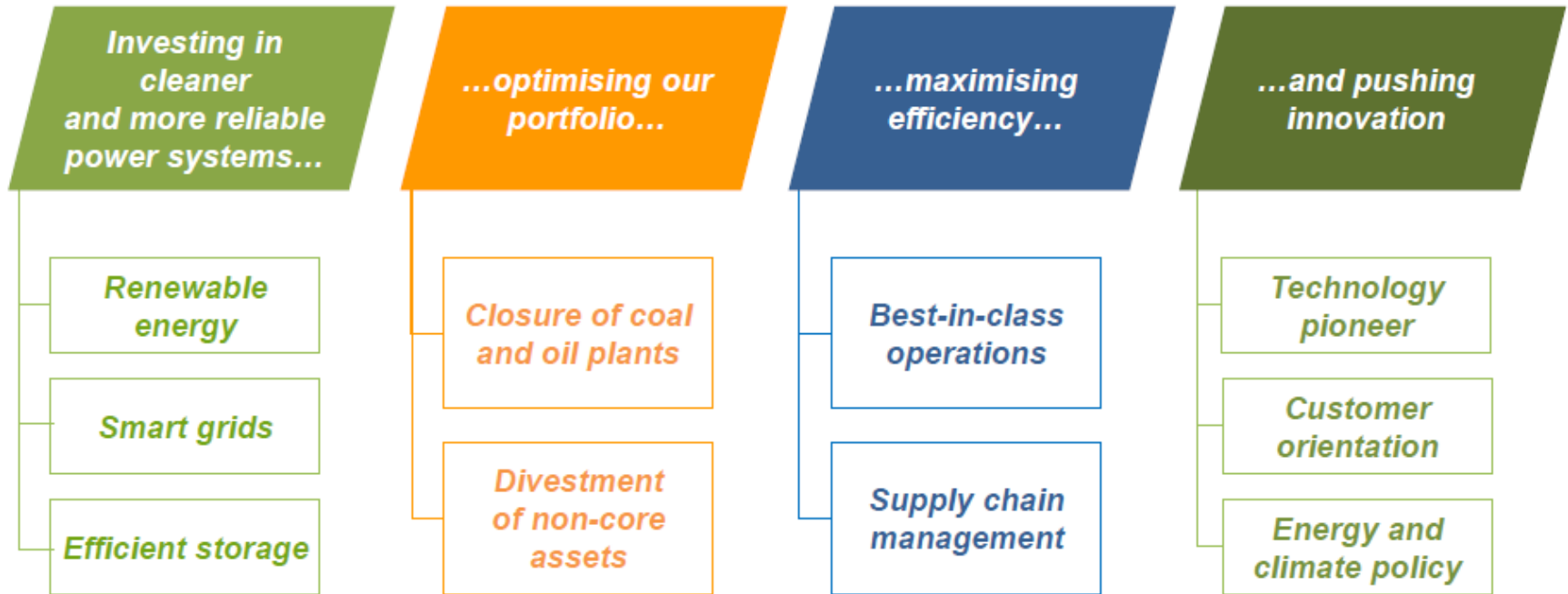
The **driving forces** transforming the energy sector are **strengthening...**



...while **climate action momentum** is growing all around the world

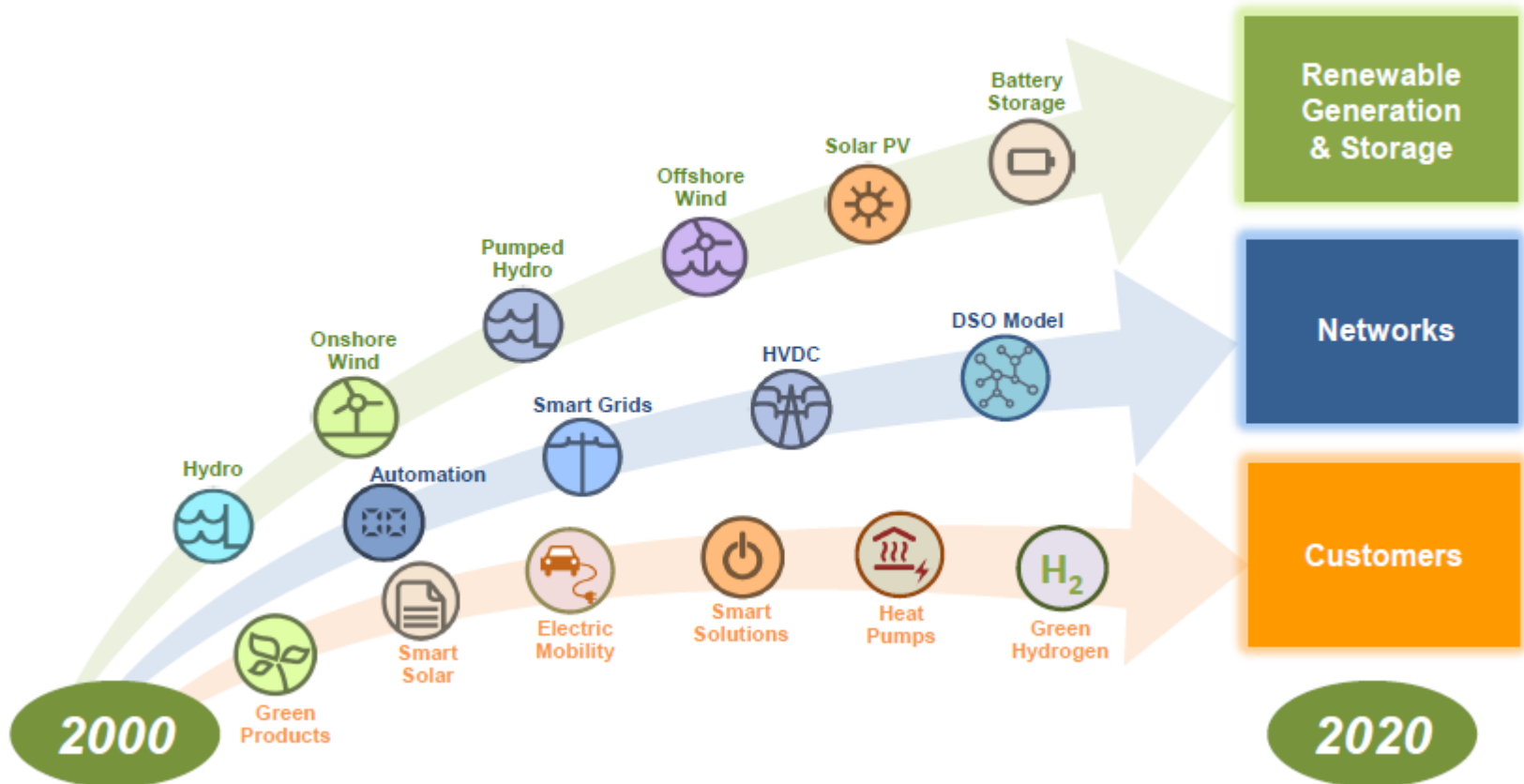
# A BROADER ENERGY TRANSITION: DIGITALISATION AND NEW TECHNOLOGIES TO FOSTER SUSTAINABILITY

20 years **anticipating** the energy transition



# A BROADER ENERGY TRANSITION: DIGITALISATION AND NEW TECHNOLOGIES TO FOSTER SUSTAINABILITY

One sustainable business model with innovative, flexible and efficiency-driven execution





# A BROADER ENERGY TRANSITION: DIGITALISATION AND NEW TECHNOLOGIES TO FOSTER SUSTAINABILITY

Iberdrola's building blocks: **social market economy**  
and a proactive contribution to **UN Sustainable Development Agenda...**



...fully integrated in the **company's strategy** and corporate governance system