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## Intro



## 2040 Corporate strategy



**COMPETITIVE RETURNS** 

8%-10% Return on capital (ROACE)

< 2,5X Gross debt / EBITDA

13 - 20 TCOP

Annual transfer payments to the Nation\*

**CUTTING-EDGE KNOWLEDGE** 

20 - 30 BUSD\$

(~76 - 114 TCOP)

Cumulative EBITDA by 2040 enabled by technology and innovation

70% of personnel in reskilling by 2030 (to face new challenges)

**GROW WITH THE ENERGY TRANSITION** 

13.000 - 14.000

(~49 - 53 TCOP) Annual EBITDA by 2040\*\*

30%-50%

Share of low-emission business in GE EBITDA

**GENERATE VALUE THROUGH TESG** 

CO<sub>2</sub> emissions by 2050 (Scopes 1 and 2) Zero -50% cutback of total emissions by 2050

Water Neutrality by 2045

230.000 Non-0&G jobs by 2040



+9 countries

+18 thousand employees





## Record results after two crisis in less than a decade







## We transformed ourselves, to be able to transform the region









2020



2022

 Cartagena Refinery successful performance test First
 offshore well
 operated by
 a Colombian
 Company

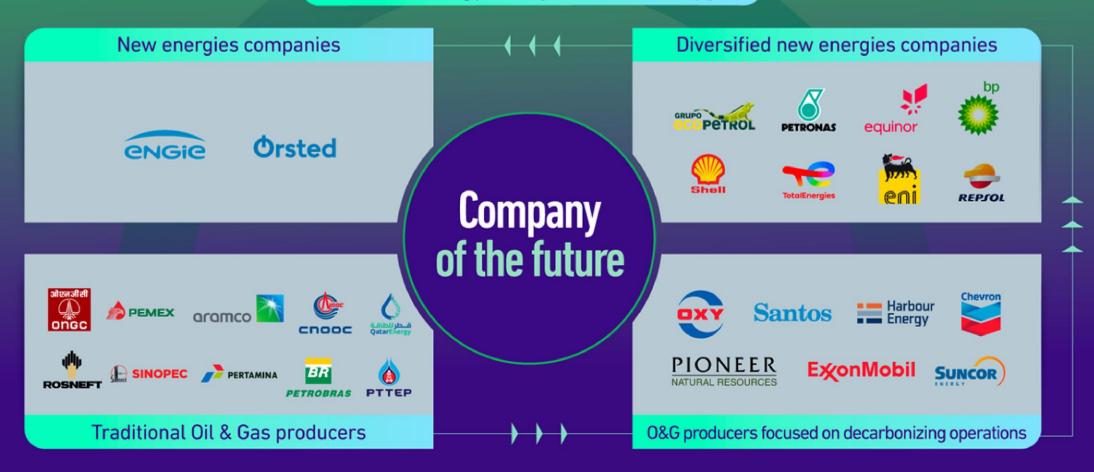
- Entry into the Permian basin
- Castilla
   Solar Park
   21MW
   operational
   start up
- "Apoyo País" program during COVID-19
- •ISA acquisition
- Singapore trading company
- Net-zero commitment

- First green H2 pilot
- •IPCC\* completion
- 2040 strategy "Energy that transforms"

# **Ecopetrol is transitioning to become the company of the future**



Future energy companies' archetype



Through time companies will migrate from one archetype to another

## We reached the highest level of reserves in 8 years





### **Ecopetrol Group's resources and reserves progression**





We improved our execution capacity and got production to pre-pandemic levels

#### **Total production of hydrocarbons**

Thousand barrels per day



Main growth drivers

 $\rightarrow$  Caño Sur: (green field)  $\rightarrow$  Permian. +15 mboed vs. dec 2022.



Investment in production: **3,100 MUSD** (+40% vs. 2021)



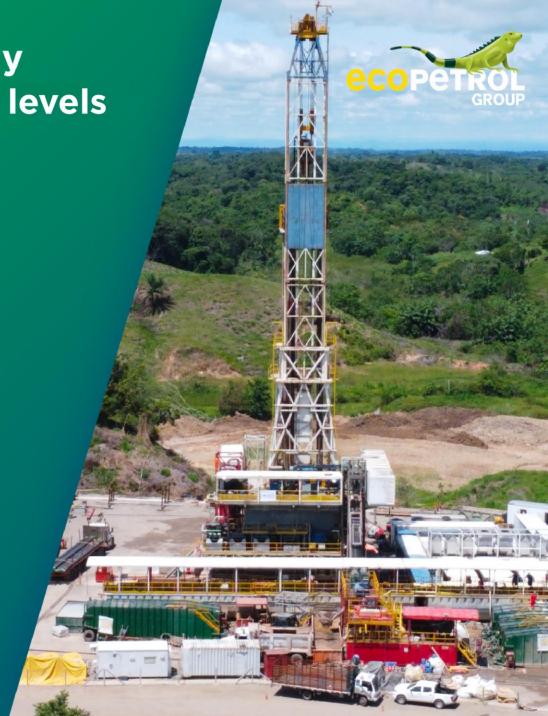
Development Wells 536 (+35% vs. 2021)



Well maintenances: **555** (+25% vs. 2021)



Drilling teams: **28** (vs. 20 in 2021)



Circular economy in the Ecopetrol Group: contribution of roads

## Implementation of Green asphalt

section at
El Dorado airport
125,000 plastic
bags



Section in Medellin 200,000 tapas de enváses plásticos



Section in Lorito Road (Guamal, Meta) 1.5 km - 850,000 plastic bags



Sustainable and efficient asphaltic mixes



Ruta del Maipo – test in 2.5 km



Pilot tests in Chile with 4 different asphaltic mixes

- Recycled rubber
- reclaimed asphalt material (RAP 15%)
- Plastic
- warm asphalt mix



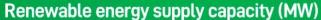
test section Ruta Costera (2023)

2,600 Ton recycled plastic 2023









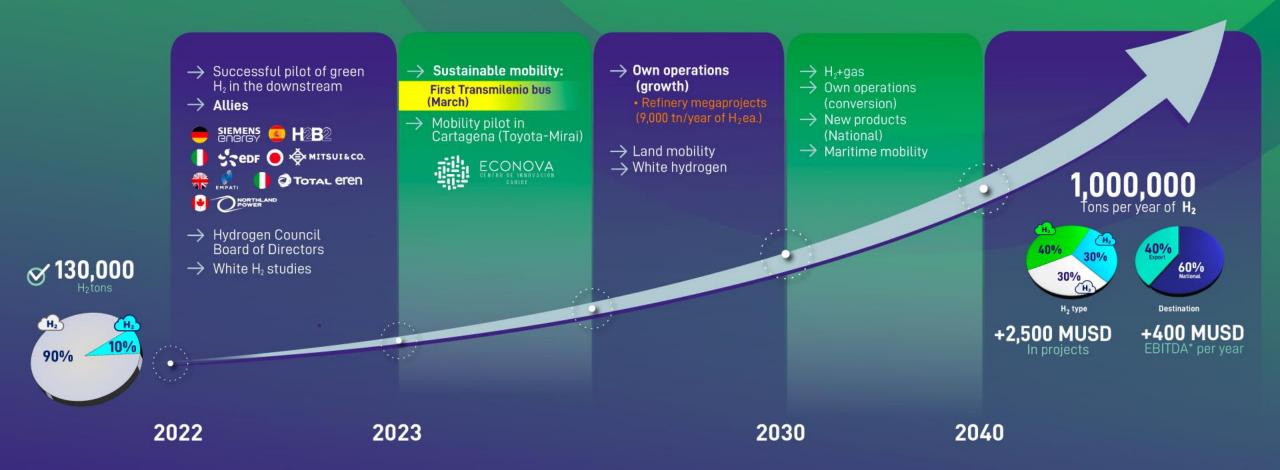


\*750 MW in operation and 150 under development

Signed agreement with Baker Hughes and CHEC to evaluate technical and economic feasibility of a geothermal project in the Nereidas Valley in Caldas 50-100 MW

## Hydrogen diversifies the energy mix and is key to decarbonization





## Colombia has privileged capabilities and resources to set the pace in the energy transition in the region



Colombia's competitive advantage:
Diversity of clean energy sources

Our proximity to markets is key to reduce the carbon footprint



Water

Top 10 of countries accountable for 46% of global supply



Wind

Wind potential is >2x in the northern region than the global average (9m/s)



Solar

Above the global radiation average (4.5 kWh/m²)



Geothermal

Stored geothermal resources equivalent to 1,170 MW



## **Ecopetrol's growing contribution to national development**





Social & environmental investment

**COP B 615** 

in 2022

+31% vs 2021

Shareholders

**COP T 2,1** 

Dividends

~255 thousands minority shareholders

**Balance of payments** 

Ecopetrol Group accounted for ~30% of national exports in 2022

71% of the internal demand for fuels attended

**Human talent** 

+20 thousand

inclusive Jobs

>560

people with disabilities

Procurement

~130

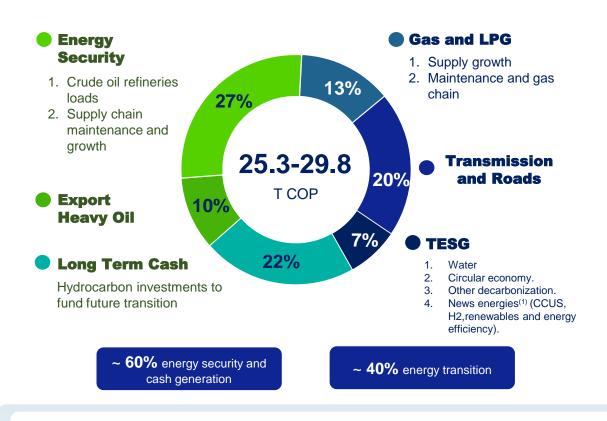
thousand jobs

Generated through contractors by 2022

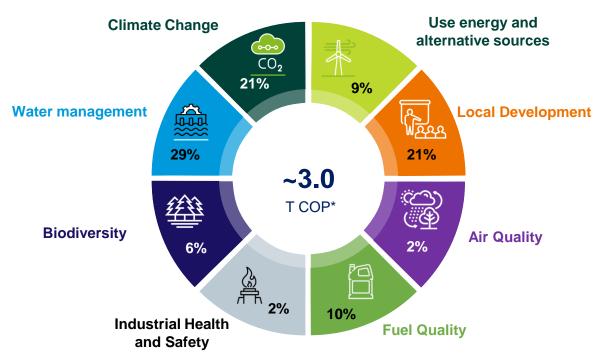
## The 2023 financial and investment Plan is geared towards the energy transition and value creation



#### 40% of the investments in 2023 are oriented towards the energy transition



#### The Ecopetrol Group allocates resources from the 2023 Plan in its commitment to TESG



\*Includes ~2.2TCOP of Capex resources and ~0.8TCOP of Opex resources.

**Main Indicators** 2023 Plan EG<sup>(2)</sup>: >40

EBITDA Margin

ROACE<sup>3</sup>

Gross Debt/EBITDA (x)

720-725

**Production** 

(MBOED)

25.3-29.8 Investments

(T COP)

>40

Transf. Nation<sup>4</sup> (T COP)

