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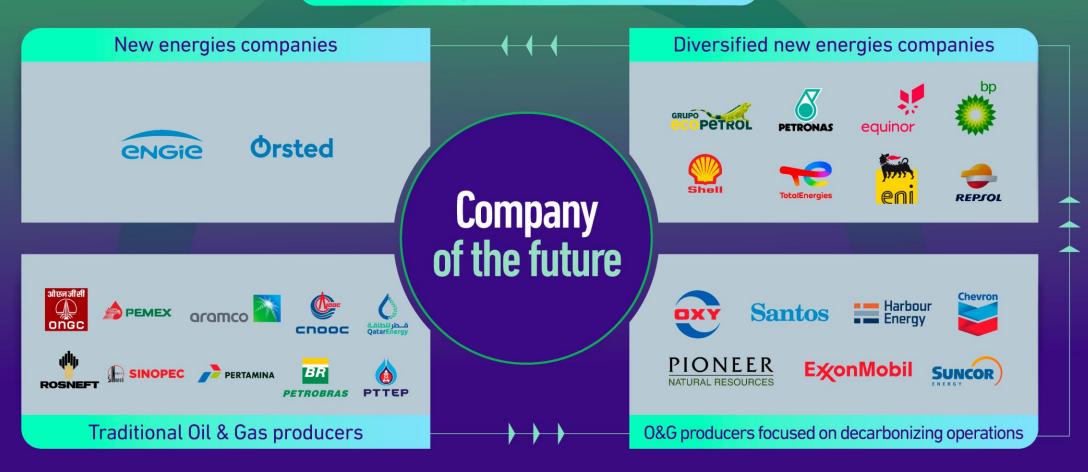
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Ecopetrol is transitioning to become the company of the future



Future energy companies' archetype



Through time companies will migrate from one archetype to other

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

CO₂ 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

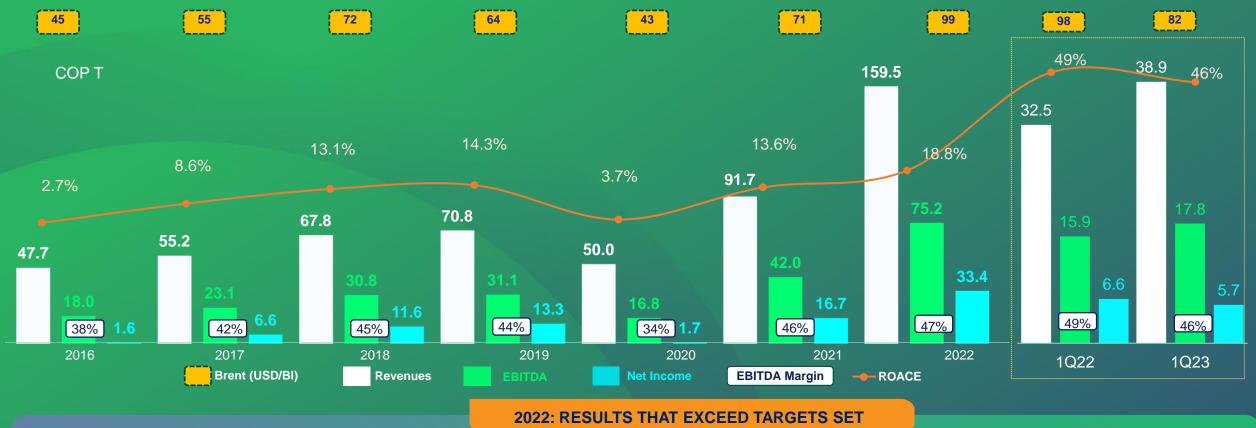
+18 thounsand employees





Record results after two crisis in less than a decade ecoperrol





ENERGY SECURITY TESG Refineries **Transported** Renewables Social and **Production** ST+I RRR* throughput volumes incorporation **Environment** mboed investment mbd mbd Investment 208 **COP 615** 62 709 1,071 358 104% to 2022 billion MUSD

CAPEX	Gross Debt/ EBITDA	Operating cash flow					
5,488 MUSD	1.5x	COP T 36.2					

FINANCIALS

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"

We reached the highest level of reserves in 8 years





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)



Diversified exploratory portfolio focused on energy security

2022

Strengthening the exploratory portfolio

Discovered resources:

- Uchuva-1
- Tejón-1
- Coralino-1

Contingent resources:

- Gorgon-2
- Lorito

Prompt progression to commerciality

- Liria YW12
- Niño-2
- Ibamaca-1



VALLE DEL CAUCA **Exploratory Successes 1Q23**

Arrecife Norte-1
Tororoi-1

2023 Drilling Campaign

25 exploratory wells 8 drilled wells in 1Q23

GUAINIA



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)



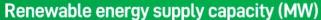
Geothermal

Stored geothermal resources equivalent to 1,170 MW









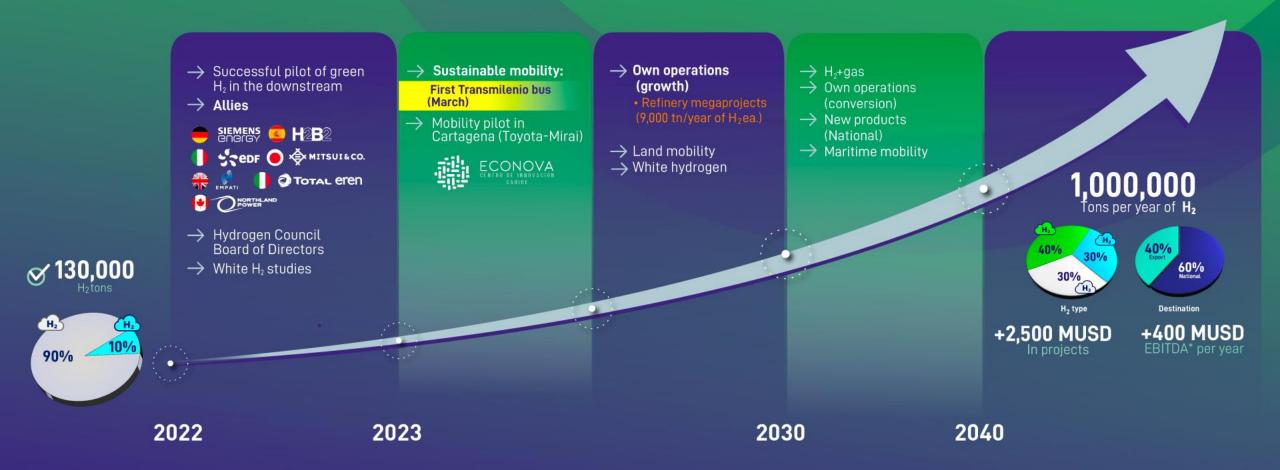


*750 MW in operation and 150 under development

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





TESG in support of long-term value creation

	Strategic		Target	1Q23 Results		2023
	Commitments		larget	Plan	Real	Projection
T	SCIENCE, TECHNOLOGY AND INNOVATION TESG accelerator		ST+i Value Generation (USD M)	168.3	176.9 🌕	2,950 ¹
	CLIMATE CHANGE Net zero emissions • 25% scope 1 and 2 by 2030 • 100% scope 1 and 2 by 2050	CO ₂	Cumulative GHG reduction against 2019 baseline (MtCO2e)	-0.97	-0.98 🧶	-1.34
	• 50% scope 3 - total emissions by 2050		Water withdrawn for industrial use (mbod)	724	651 🥚	651
	COMPREHENSIVE WATER MANAGEMENT • Water neutrality by 2045 ²		Discharge reduction (mbwpd)	- 1	0.124	Maturing of initiatives
S	LOCAL DEVELOPMENT 230,000 non-oil jobs by 2040		Non-oil jobs		6,0084	25,000 ⁵
G	CORPORATE GOVERNANCE Generate trust, as well as reputational and financial returns		Corporate Governance rating in the DJSI	80	80 🥌	80
	TESG INVESTMENTS (COPT)			0.32	0.34	2.2
	ENERGY TRANSITION INVESTMENTS / TOTAL INVESTMENTS			39%		40%

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



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

Ecopetrol is a key player in Colombia's socioeconomic development



QUALITY, COVERAGE AND SCHOOL RETENTION

Programs: 'Ecopetrol Educa', 'Bachilleres Ecopetrol' and 'Ella es Astronauta'

PEACE CONSTRUCTION

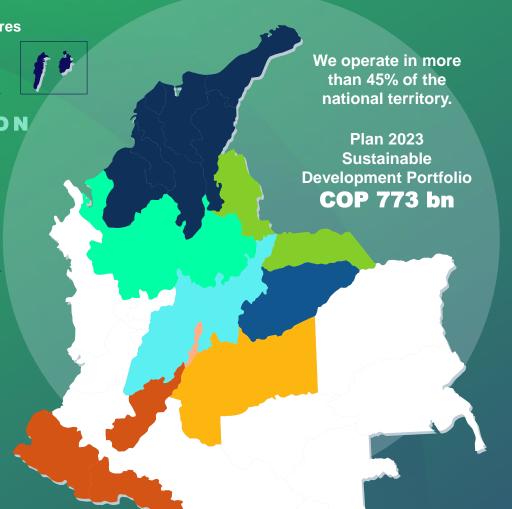


Interest in new projects in Colombia through the program "Works for taxes"



ENERGY Transition

First 'eco-sustainable' wagon in a Transmilenio station



ACCESS TO NATURAL GAS SERVICE



More than 11,500 families connected to Natural Gas in Barranquilla and Arauca Department

ENTREPRENEURSHIP AND BUSINESS DEVELOPMENT



'Ecopetrol Emprende' program: Increase in clients and sales

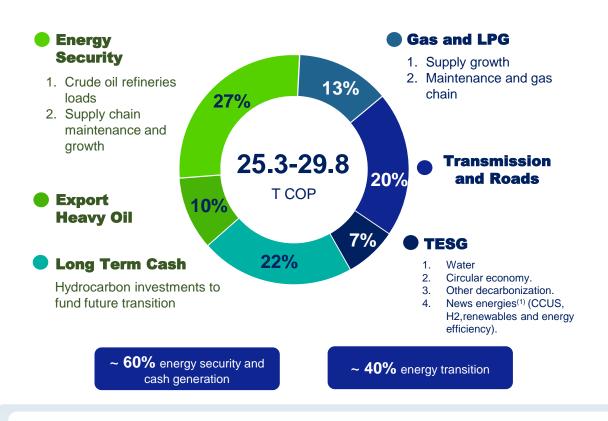
TERRITORIAL RELATIONSHIPS AND DIALOGUE

- 9 social dialogue processes
- National People's Meeting
- Methodological routes with reservations and indigenous communities
- Volunteering on Tierra Bomba Island, with pedagogy on the responsible use of plastic

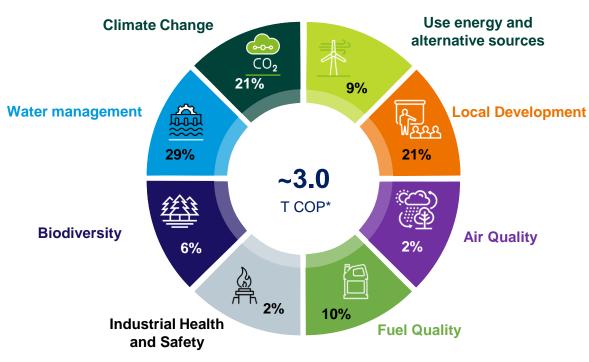
The 2023 financial and investment Plan is geared towards the energy transition and value creation



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⁽²⁾: >40

EBITDA Margin

ROACE³

Gross Debt/EBITDA (x)

720-725

Production (MBOED)

25.3-29.8

Investments

(T COP)

>40

Transf. Nation⁴ (T COP)



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Thank you!