



CAPITAL MARKETS

Day

Thriving through
the energy transition

June 2021

Disclaimer

This document may include forward-looking statements, including, without limitation, regarding future results, namely cash flows, dividends, and shareholder returns; liquidity; capital and operating expenditures; performance levels, operational or environmental goals, targets or commitments and project plans, timing, and outcomes; production rates; developments of Galp's markets; and impacts of the COVID-19 pandemic on Galp's businesses and results; any of which may significantly differ depending on a number of factors, including supply and demand for oil, gas, petroleum products, power and other market factors affecting them; the outcome of government policies and actions, including actions taken to address COVID-19 and to maintain the functioning of national and international economies and markets; the impacts of the COVID-19 pandemic on people and economies; the impact of Galp's actions to protect the health and safety of its employees, customers, suppliers and communities; actions of Galp's competitors and commercial counterparties; the ability to access short- and long-term debt markets on a timely and affordable basis; the actions of consumers; other legal and political factors, including changes in law and regulations and obtaining necessary permits; unexpected operating events or technical difficulties; the outcome of commercial negotiations, including negotiations with governments and private entities; and other factors discussed in Galp's Management Report & Accounts filed with the Portuguese Securities Market Commission (CMVM) for the year ended December 31, 2020 and available on our website at galp.com. This document may also contain statements regarding the perspectives, objectives, and goals of Galp, including with respect to energy transition, carbon intensity reduction or carbon neutrality. An ambition expresses an outcome desired or intended by Galp, it being specified that the means to be deployed may not depend solely on Galp. It is important to note that as of June 2, 2021, Galp's business plans and budgets do not fully reflect Galp's Net Zero Emissions target. Galp aims that, in the future, its business plans and budgets will progressively change to reflect in full this movement towards its Net Zero Emissions target. All statements other than statements of historical facts are, or may be deemed to be, forward-looking statements. Forward-looking statements express future expectations that are based on management's expectations and assumptions as of the date they are disclosed and involve known and unknown risks and uncertainties that could cause actual results, performance or events to differ materially from those expressed or implied in such statements. Accordingly, neither Galp nor any other person can assure that its future results, performance or events will meet those expectations, nor assume any responsibility for the accuracy and completeness of the forward-looking statements. Forward-looking statements include, among other things, statements concerning the potential exposure of Galp to market risks and statements expressing management's expectations, beliefs, estimates, forecasts, projections, and assumptions. These forward-looking statements may generally be identified by the use of the future, gerund or conditional tense or the use of terms and phrases such as "aim", "ambition", "anticipate", "believe", "consider", "could", "develop", "envision", "estimate", "expect", "goals", "intend", "may", "objectives", "outlook", "plan", "potential", "probably", "project", "pursue", "risks", "schedule", "seek", "should", "target", "think", "will" or the negative of these terms and similar terminology.

Financial information by business segment is reported in accordance with the Galp's management reporting policies and shows internal segment information that is used to manage and measure the Group's performance. In addition to IFRS measures, certain alternative performance measures are presented, such as performance measures adjusted for special items (adjusted operational cash flow, adjusted earnings before interest, taxes, depreciation and amortisation, adjusted earnings before interest and taxes, and adjusted net income), return on equity (ROE), return on average capital employed (ROACE), investment return rate (IRR), equity investment return rate (eIRR), gearing ratio, cash flow from operations and free cash flow. These indicators are meant to facilitate the analysis of the financial performance of Galp and comparison of results and cash flow among periods. In addition, the results are also measured in accordance with the replacement cost method, adjusted for special items. This method is used to assess the performance of each business segment and facilitate the comparability of the segments' performance with those of its competitors. This document also contains non-financial performance indicators, including a carbon intensity indicator for energy products sold by Galp, that measures the amount of greenhouse gas emissions of those products, from their production to their end use, per unit of energy delivered. This indicator covers the direct GHG emissions of production and processing facilities (scope 1) and their indirect emissions associated with energy purchased (scope 2), as well as the emissions associated with the use of products by Galp's customers (scope 3). The same emissions are considered for products purchased from third parties and sold or transformed by Galp. For a complete definition of scopes 1, 2 and 3 and the methodology used by Galp for this indicator please refer to Galp's website at galp.com. This document may include data and information from sources that are publicly available. This document may also include data and information provided by third parties, including Wood Mackenzie, Rystad and market analysts, which are not publicly available. Such data and information should not be interpreted as advice and you should not rely on it for any purpose. You may not copy or use this data and information except as expressly permitted by those third parties in writing. To the fullest extent permitted by law, those third parties accept no responsibility for your use of such data and information except as specified in a written agreement you may have entered into with those third parties for the provision of such data and information.

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01

Strategy Refresh



Upcoming decade of deep transformation

accelerating towards a cleaner future

2021

Social and regulatory pressure accelerating the **decarbonisation** pace

Growing share of electricity with expected significant **increase in EV sales**

Solar and wind becoming a relevant energy source for power generation

Green/blue H₂ gaining momentum with viable options emerging

EU setting the strategic ambition to build an integrated **Li-ion battery** value chain

Significant **decrease in oil demand in Europe**, leading to a wave of refinery rationalisation

2030

More electrified global energy mix, although Oil & Gas maintain a crucial role

Strategy with a purpose

for a truly sustainable path



Let's regenerate the future together!

Reshape
Portfolio

Refresh
Relations

Reenergise
People

Key business pillars

built upon solid foundations



Upstream Growth

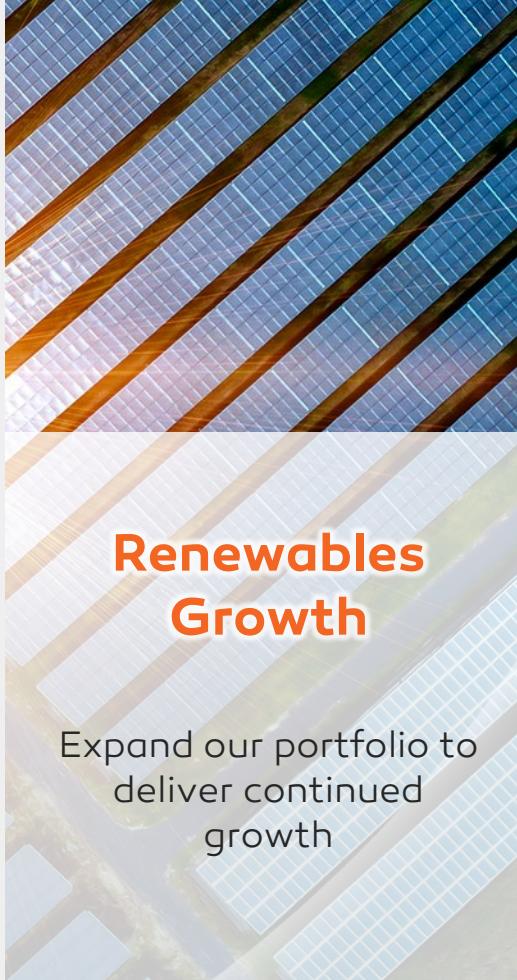
Unique high-quality
cash generative
projects



Downstream Transformation

Commercial | Industrial & Energy Management

Opportunity to
transform and extract
more value from strong
asset base



Renewables Growth

Expand our portfolio to
deliver continued
growth



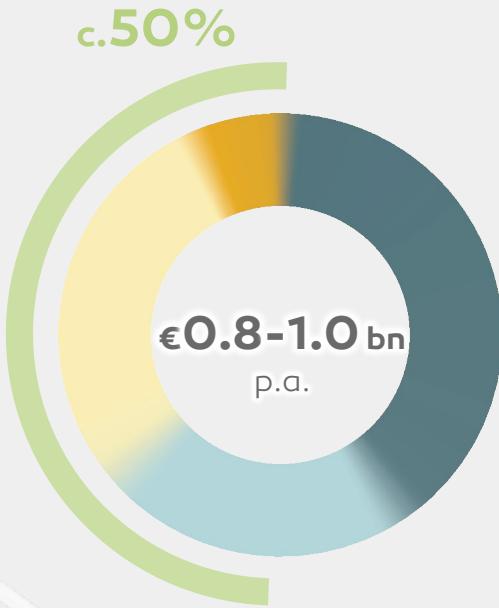
New Energies

Develop future options
& value pools leveraging
on existing portfolio and
skills

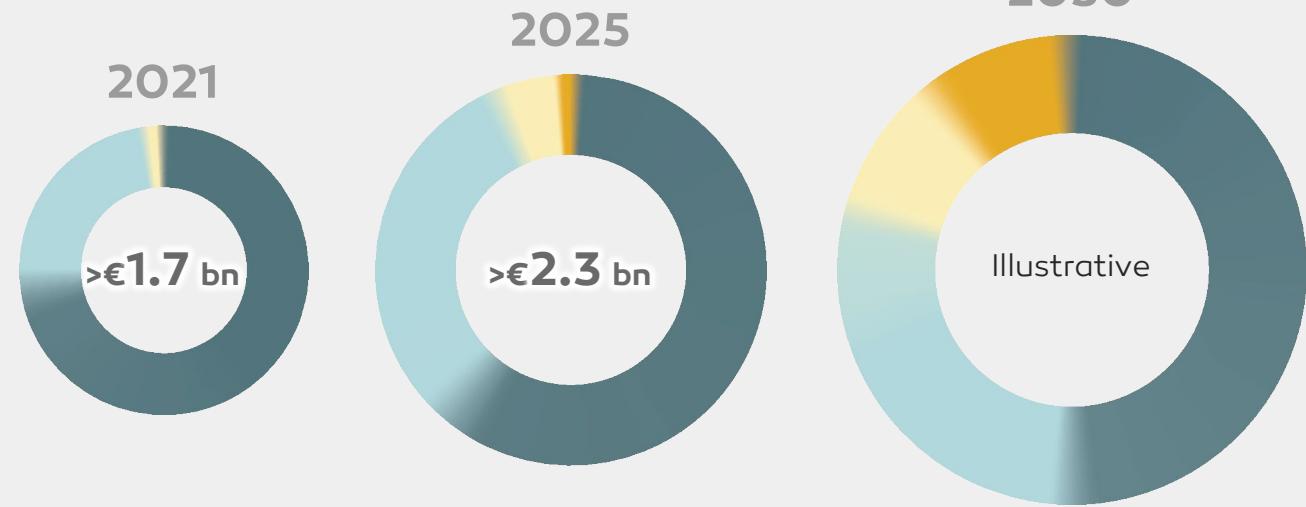
Reshaping portfolio

to thrive through the energy transition

Net Capex 2021-25



Adjusted Operational Cash Flow (OCF)²



Upstream Growth

Downstream Transformation

Renewables Growth

New Energies

Low carbon

Clear capital allocation

to support a value driven growth story



Maintaining **Net Debt/Ebitda** at c.1.0x

01 Net Capex

€0.8-1.0 bn p.a.

2021-25 average
(2021 maintained at €0.5-0.7 bn)

-20% vs previous plan

02 Shareholder distributions

Base dividend
annual cash dividend

€0.5/share
paid semi-annually

Variable distributions
subject to

<1.0x ND/Ebitda¹
paid once a year

Total distributions up to **1/3 CFFO²**

Distinctive investment proposition

combining sustainable growth and value

Growth from established businesses

Upstream growth from low cost & carbon intensity assets

Transforming downstream businesses

Growth from Renewables businesses

Expanding renewables portfolio

Developing options in new energies

Competitive shareholder distribution

Robust baseline dividend

Variable component linked to cash delivery

c.35%

2021-25 OCF growth

>35%

Current market value¹ distributed 2021-25

Progressive decarbonisation towards **Net Zero by 2050**

The background of the image is a high-angle aerial shot of a vast ocean. The water is a deep teal color, with intricate white and light blue patterns of foam and spray from breaking waves. The perspective is looking down the length of a wave, with the spray becoming more intense towards the right side of the frame.

02

Upstream Growth

Upstream: value focused growth proposition

from a low breakeven cash contributor



Growth

Continue to deliver
peer leading
production increase



Resilience

Top tier low cost &
low carbon intensity
portfolio



High-return developments

Focused value
maximisation from
core projects



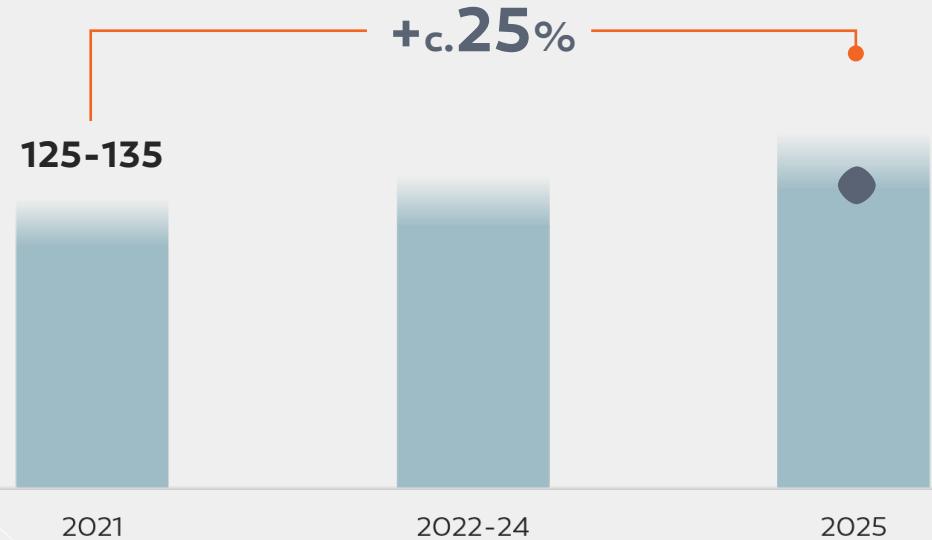
Value options

Manage portfolio
for value

Delivering unique upstream growth

whilst developing further value options

WI Production from sanctioned projects (kboepd)



Net entitlement production

2025 +
Further growth options

<\$3/boe

Production costs

>20%

IRR new developments¹

c.€6 bn

2021-25 OCF accumulated

Leading Upstream profitability and carbon intensity

allowing top portfolio competitiveness and longevity

New developments breakeven

\$/bbl

60

45

30

15

0

c.25



Source: Rystad¹; Galp's internal NPV₁₀ portfolio breakeven

Industry carbon intensity

kgCO₂e/boe

60

45

30

15

0

18.8
IOGP²

9.9



Source: Wood Mackenzie companies benchmark; IOGP; Galp's 2020 internal carbon intensity assessment

Short-term cash engine

with significant value still to be captured

Tupi & Iracema (Brazil)

> 2 bn boe produced, a small fraction of total recoverable resources

Further attractive development opportunities

New development plan to enhance value and pursue field life extension



Other projects

Berbigão, Sururu and Atapu (Brazil)

Continue fields ramp-up
Pursue in-field opportunities

Sépia (Brazil)

Sépia first oil in 3Q21
High productivity project with further potential

Blocks 14 & 32 (Angola)

Drive operational excellence
Evaluate near-field leads

Coral (Mozambique)

FLNG construction and drilling & completion ongoing
First gas in 2022

Bacalhau I growth lever

one of the most attractive projects in the industry

Recent Final Investment Decision for Phase I

220 kbpd FPSO, one of the
largest and most
technologically advanced



c. \$8 bn

Total investment
(100% basis – Galp's stake 20%)

2024 (2H)

First oil expected date

>1 bn bbl

Recoverable volumes

+40 kbpd

WI production at
plateau (net to Galp)

<\$35/bbl

Highly competitive
NPV₁₀ breakeven

c. 9 kgCO₂e/bbl

Low carbon intensity

Further high-potential optionality

exploring 2025+ opportunities



Area 4 | Rovuma LNG (Mozambique)

One of the most competitive LNG projects worldwide

Pre-FID activities focused on cost and concept optimisation

Exploring synergies with Area 1

Local security key to unlock development

First gas expected during 2H of the decade

Exploration activities

Delivering selected high-potential wells

Block 6 (São Tomé and Príncipe)

Prospective wildcat well to be spud in 2021

C-M-791 (Brazil)

Pre-salt potential play
Well to be spud in 2021/22



03

Downstream Transformation

Transforming Commercial business

capturing more value from a differentiated client driven offer



Strong brand

A leading player in Iberia and selected African markets



Integrated offer

Enhancing cross and up selling opportunities



Digitalisation

Integrated approach using digital tools & data analytics



Client focused

Expanding the customer experience

Key value levers on Commercial transformation

focused on strong network, digitalisation and electrification



Deliver the energy
of today and the
solutions of tomorrow

Retail network

From legacy service stations to innovative, multi-energy and convenience concepts

>2x

Convenience contribution
2025 vs 2021

Electric mobility

Maintaining leading position in Portugal and increase relevance in Spain

c.10 k

Charging points in Iberia by 2025

Electricity

Grow electricity sales through competitive supply basket, x-sell and digital enablers

>2x

2025 vs 2021 sales

Natural gas

Retain premium position

>1.5x

2025 vs 2021 sales

Decentralised energy

Community Hub



Electric mobility solutions

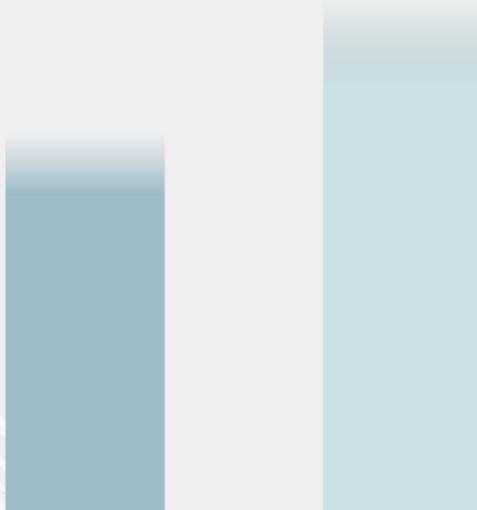


Commercial: a resilient cash contributor

with business transformation to unlock more value

OCF generation

c.€400 m



- + Decentralised energy
- + Mobility and e-mobility
- + Convenience
- + Other value pools

2021

2025

2025+



Industrial & Energy Management: transforming operations

whilst adapting to market trends



Resilience

Ensure Sines' industrial site competitiveness



Decarbonisation

Improve energy efficiency and reduce emissions



Investments

Capital efficient investments, balancing risks & returns

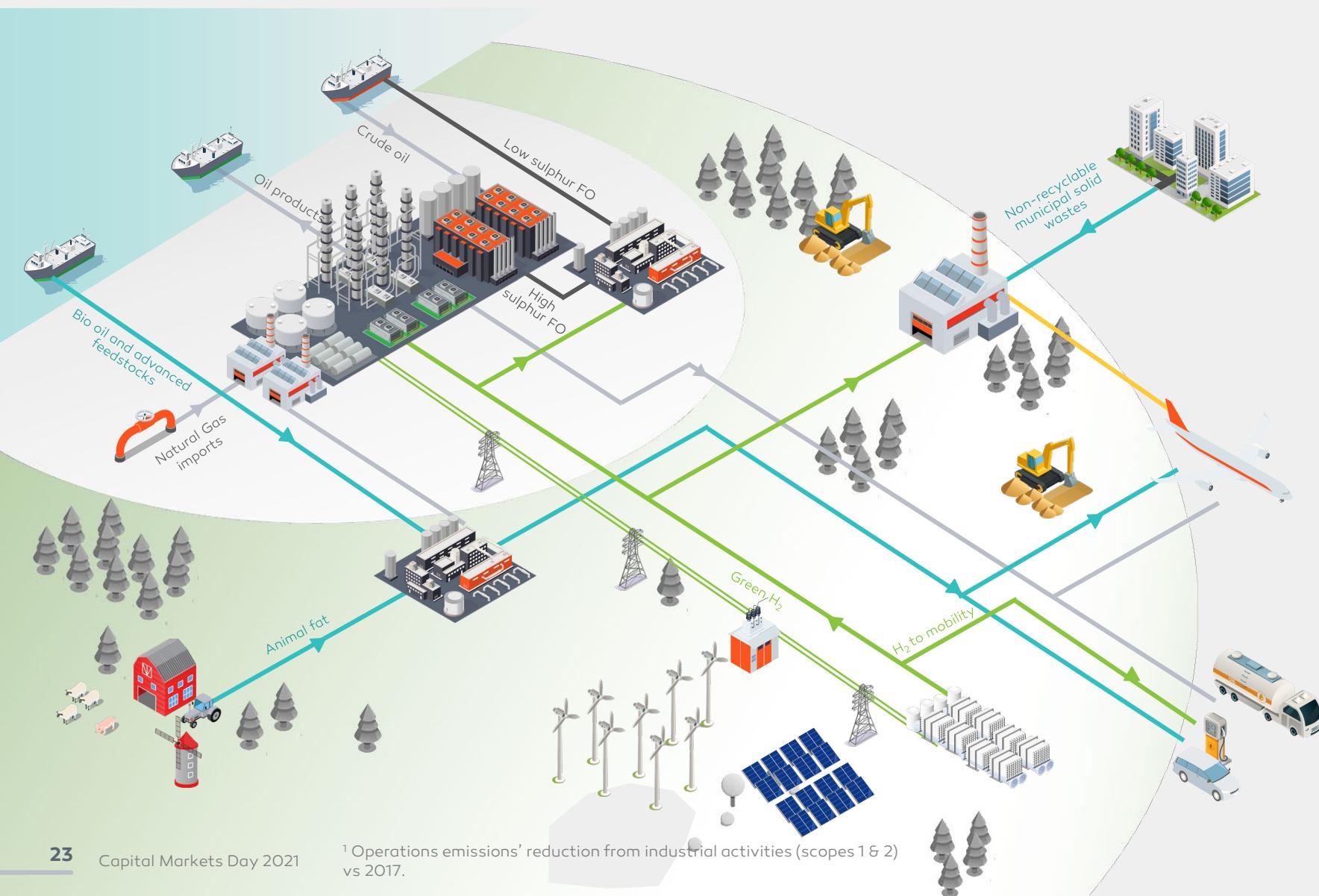


Energy management

Maximise value across the energy chain

From a grey refinery to a green energy hub

improving energy efficiency and reducing carbon footprint



2017

Grey refinery

Concentrating operations in **Sines**

Energy efficiency optimisation

Expand advanced **biofuels** production

Enhance crude **sourcing flexibility**

Grow **green H₂** opportunities

2030

Green energy hub

-50%

operations emissions¹

Improve Sines' resilience and sustainability

through selective investments

Optimise refining efficiency

Low cost improvements with fast time to market

Energy efficiency initiatives

Predictive business management

Digitalisation and cost optimisation

\$3-4/boe

Galp refining margin¹

\$1.7/boe

Target opex¹

Enhance resilience

Evaluating fuel desulphurisation project (20 kbb/d)

Additional flexibility on crude diet leveraging margin

Compliance with 0.1% sulphur specs

Capital efficient technology

<€0.3 bn

Investment over 4 years

c.15 %

Expected IRR²

2025 +

Start up



Decarbonise Sines' hub

through advanced biofuels

Integrating HVO production

Developing 270 ktpa of renewable products

Products aligned with future regulation on road and aviation (RED II and CORSIA)

Diversified waste feedstock base, with sourcing strategy under development

Pre-engineering works to consider reusage of Matosinhos equipment

Industrial synergies to support project competitiveness



<€0.2 bn

Investment over 4 years

>15%

Expected IRR

<2025

Potential start



Enhancing the role of Energy Management

enabling additional value creation across the energy chain

Strong asset & client base

Upstream equity
production growth

NG/LNG contracts
diversification

Industrial transformation
and logistic assets

Renewable power business
scale-up

Advanced biofuels
integration

Carbon & derivatives
management

Value creation levers

Integrated margin & risk
management

Capture supply & trading
opportunities

Incorporating low carbon

Bundle multi-energy
solutions

Support and develop new
products and services

Optimise value chain
leveraging 3rd parties assets

Boosting EM

Extract value from existing asset base

Leverage Galp's growth

Open new markets & value chain
opportunities

Support client offer expansion

>€ 120_m

OCF by 2025

An aerial photograph of a massive solar farm. The solar panels are arranged in long, parallel rows that curve across the landscape. A bright, glowing sun graphic is positioned in the upper left, casting a warm, golden glow over the panels and creating a lens flare effect. The panels are a vibrant blue, and the surrounding land is a mix of green grass and brown dirt paths.

04

Renewables Growth

Renewables: growing a competitive portfolio

capable to deliver long-term growth



Expansion

Expand existing portfolio, diversifying geographies and technologies



Risk management

Adjusting risk profile to market conditions



Partnerships

Maximising value



Integration

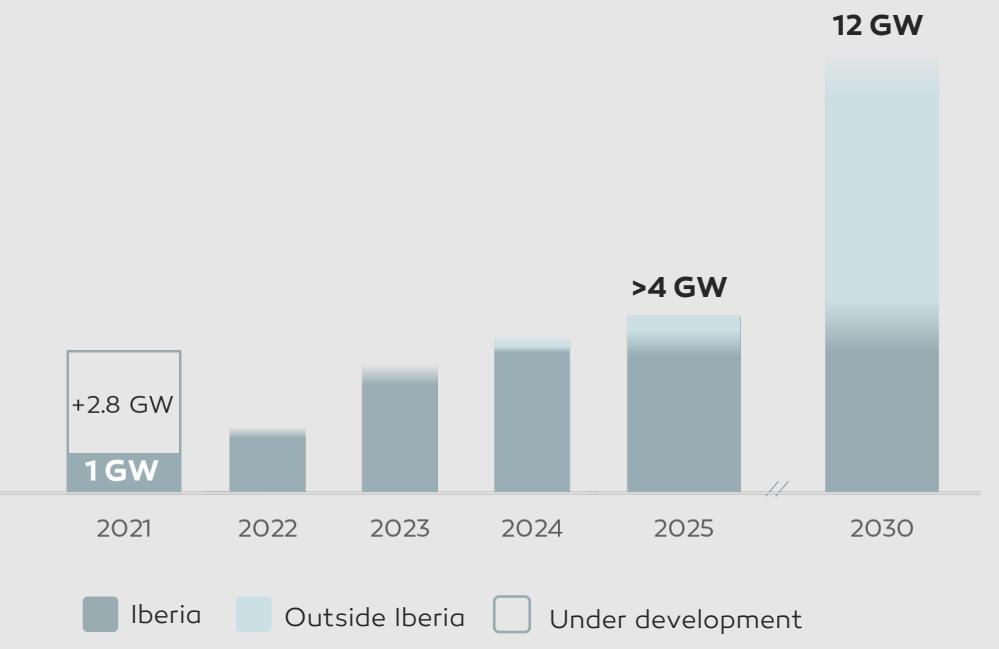
Value pools and synergies with other businesses

Expanding renewable footprint

through a dynamic and flexible business model



Operating capacity¹



2025

>4 GW

operating capacity¹

Starting to diversify

Focus on Iberia and selective new markets entry

Solar PV as core whilst integrating other technologies

2030

12 GW

operating capacity¹

Value maximisation and further expansion

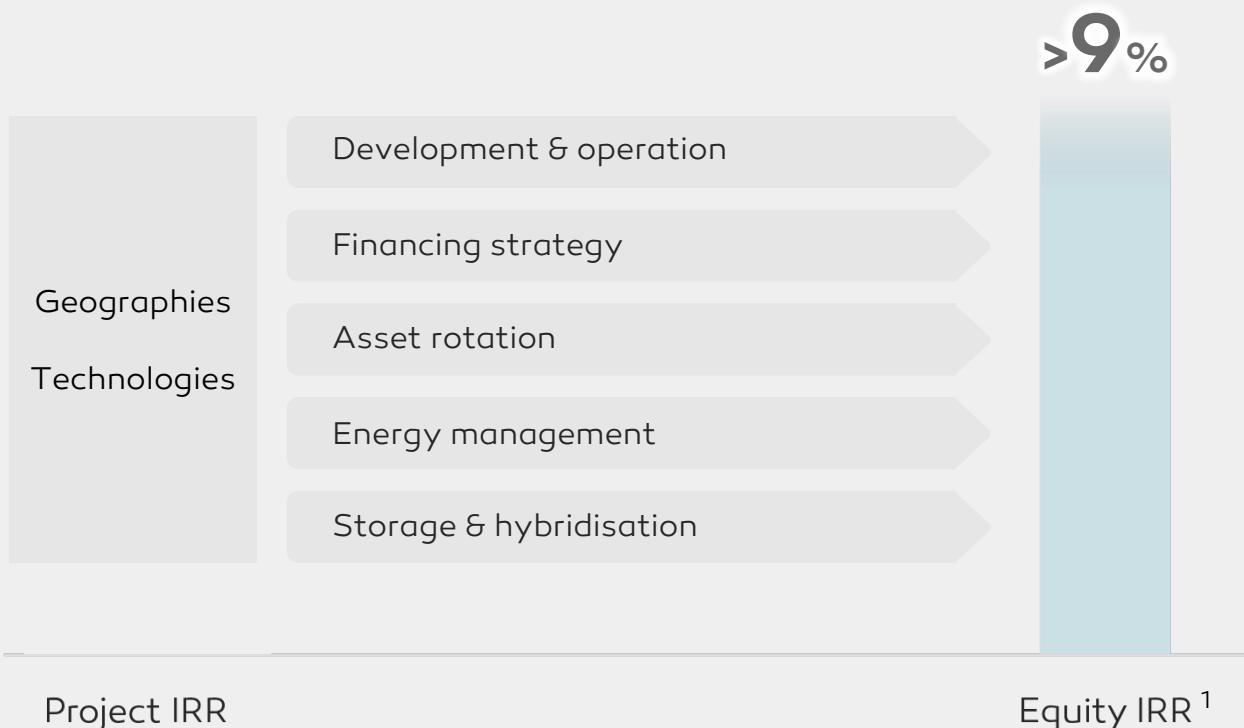
Geographical diversification: > 50% outside Iberia

Technology diversification: Solar PV + Wind + Storage

Balancing risks and returns

whilst delivering sustainable value

Expected returns



¹ Equity IRR based on full life cycle. Average portfolio returns considering renewables offtake sold predominantly under PPAs, with part of the Iberian portfolio under merchant conditions now reflecting an increasing discount to baseload prices.

Business model

Balancing risk exposure

Predominantly **PPA**

Levered capital structure

60-70%

Debt weight

Asset rotation and partnerships model

c.50%

Project stakes at commercial operation date

Generating profitable growth

with potential to further expand

OCF generation¹



Portfolio development based on matured technologies, competitive at market conditions

Capturing enhanced returns from portfolio related value pools

FCF Positive
before 2030



05

New Energies

New Energies: developing future options

and value pools with scaling up potential



Transition

Pursuing projects that fit decarbonisation and electrification trends



Innovation

Developing innovative solutions based on new technologies



Scalability

Assessing high potential businesses



Synergies

Adjacent solutions leveraging industrial skills

Privileged position to develop green hydrogen solutions

taking advantage of the energy hub's industrial skillset

Pursue first

100 MW

by 2025

Green H₂ crucial role in decarbonisation,
with various use cases becoming
economic during the decade

Sines perfectly located to be a
highly competitive H₂ producer

Replace Sines' grey with green H₂,
aligning with RED II regulation, whilst
reducing emissions

Deploy green H₂ in adjacent segments
such as mobility, e-fuels and industrial
applications

Leveraging integration with industrial site
and low cost renewable electricity

Developing a 100 MW electrolyser
during the 1H of the decade

Expanding, throughout
the decade, to

0.6 – 1.0 GW

as business cases
are proven

Assessing entry into the Li-ion battery value chain

capturing an early mover advantage on this high-potential business



EV adoption driving fast growth in Li-ion battery demand

EU committed to build a vertically-integrated battery industry

Portugal competitive advantages in resources, infrastructure, green energy and skilled workforce

Galp positioned to expand into lithium chemical processing in Portugal

Securing feedstock and developing key partnerships

Exploring further business opportunities in the value chain

Pursue first

25 kton
LCE production capacity¹

by 2025

with potential to further expand throughout the decade



06

Decarbonisation Path

ESG: Actively engaged

and continually improving transparency and performance

Environment

Defining measurable decarbonisation targets

Promoting eco-efficiency

Protection of water resources and biodiversity

Social

Safety as a core value

Developing talent and promoting diversity

Positive impact on the communities

Governance

Balanced BoD independence & diversity

Active risk, audit and sustainability committees

Reinforcing climate and safety pay-for-performance

#1

In Europe

Top 3
(AAA)

Out of 30
Integrated O&G

#4

Out of 51
Integrated O&G

Member of
**Dow Jones
Sustainability Indices**

Powered by the S&P Global CSA

MSCI

SUSTAINALYTICS



Reinforcing our decarbonisation targets

supported by a reshaped portfolio

Galp Decarbonisation Roadmap

2017

Industrial reconfiguration

Energy efficiency

Renewable electricity

Low carbon fuels

New energies

Absolute Emissions (Scopes 1 & 2)

-40% From operations

Carbon Intensity (Scopes 1, 2 & 3)

-40% Production-based approach

-20% Downstream sales-based approach

Net Zero Emissions

(Scopes 1, 2 & 3)



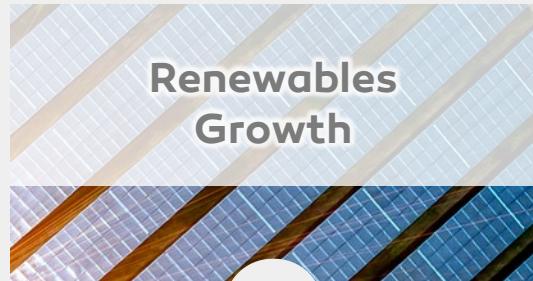
07

Financial Framework

From strategy to reporting

Maintaining business units' structure unchanged

Key business pillars



Upstream

Exploration and production of oil and gas

Industrial & EM

Refining, biofuels, cogeneration, logistics and energy management (including supply & trading of oil, gas and power)

Commercial

B2B and B2C businesses: oil, gas, electricity, commercial and non-fuel products, electric mobility and e-mobility solutions

Renewables & New Energies

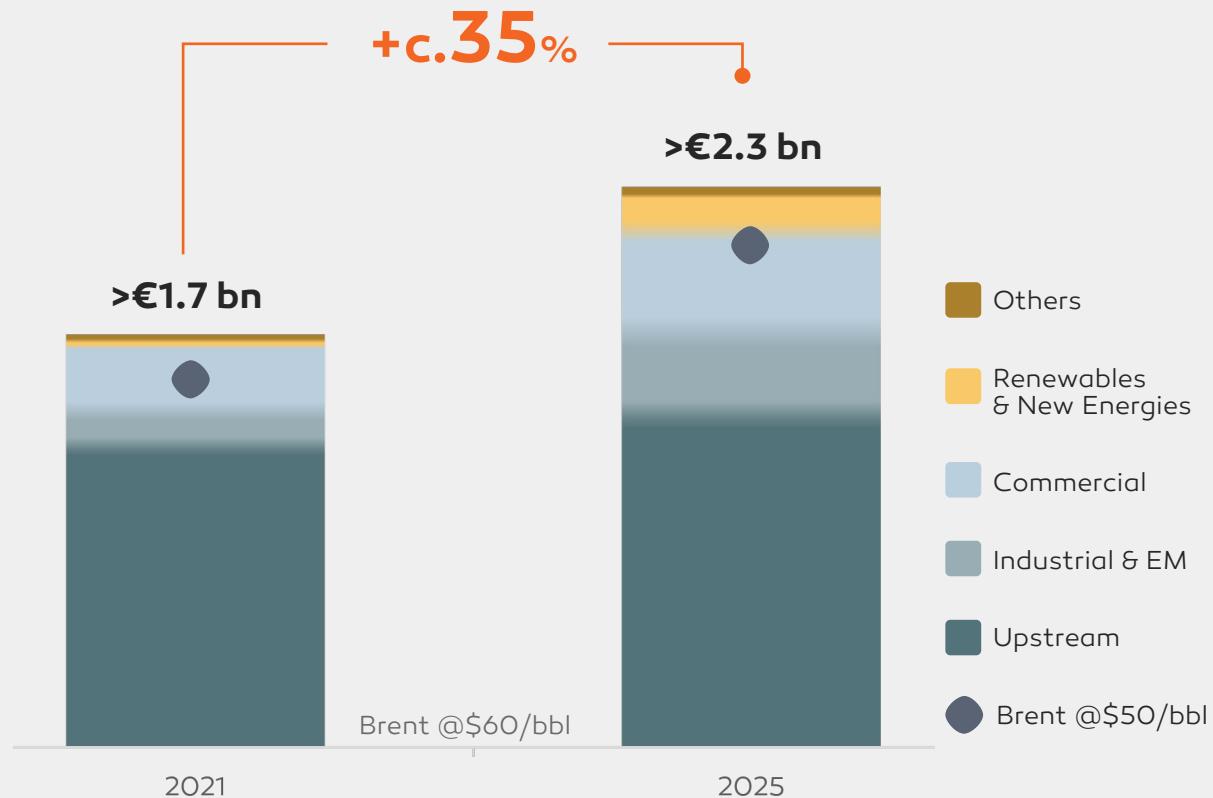
Renewable power generation, new energies (including green hydrogen, lithium value chain and new businesses)

Reporting Structure

Cash generation growth

from a robust and resilient long-term portfolio

OCF generation¹

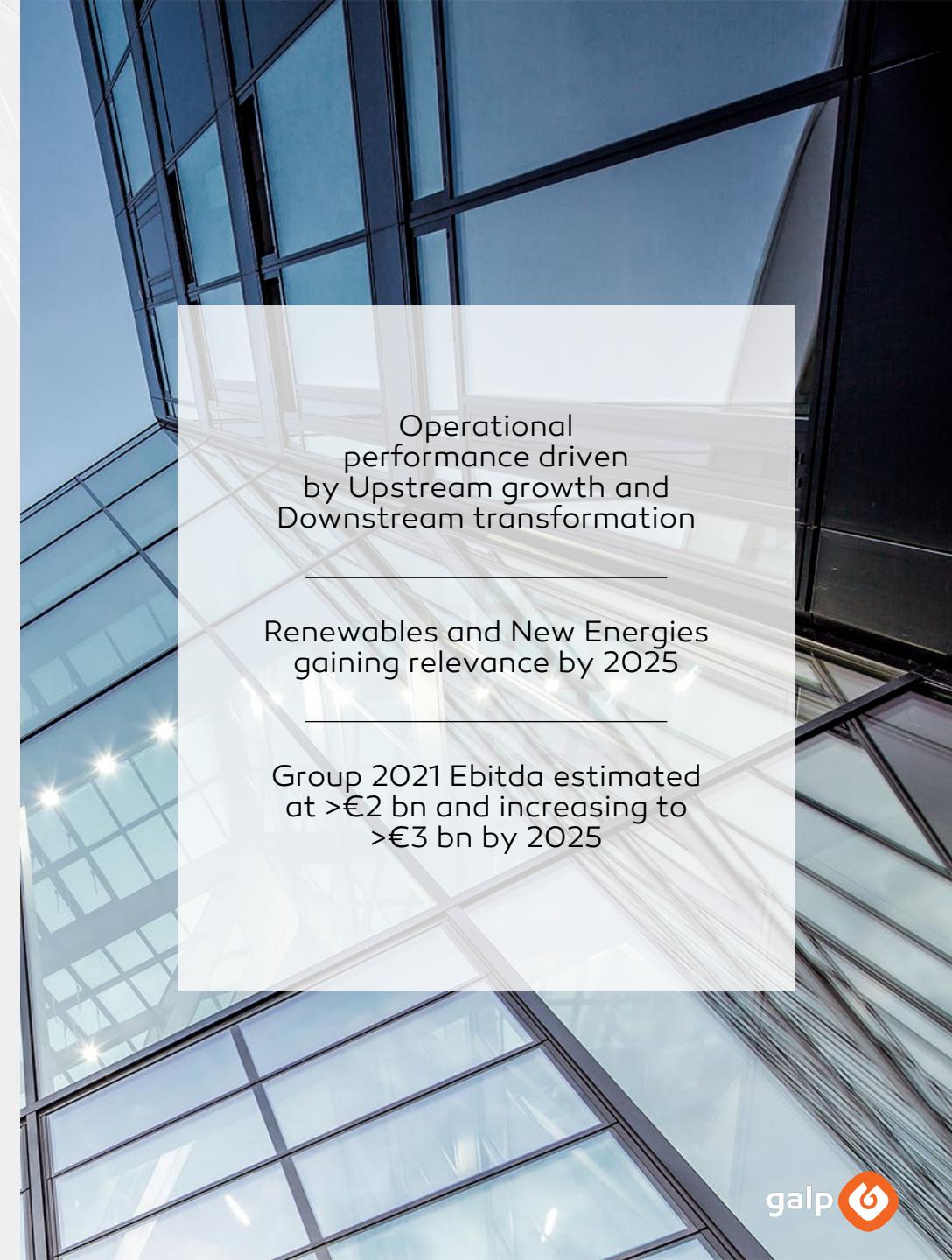


- Others
- Renewables & New Energies
- Commercial
- Industrial & EM
- Upstream
- Brent @ \$50/bbl

Operational performance driven by Upstream growth and Downstream transformation

Renewables and New Energies gaining relevance by 2025

Group 2021 Ebitda estimated at >€2 bn and increasing to >€3 bn by 2025



Disciplined investment plan

supporting portfolio reshape and growth

Net capex

€0.8-1.0 bn p.a.

2021-25 average

2021 at €0.5-0.7 bn

c.20%

reduction vs previous plan



Upstream	Industrial & EM
Commercial	Renewables & New Energies

Focus on high-quality / high-return developments and business transformation

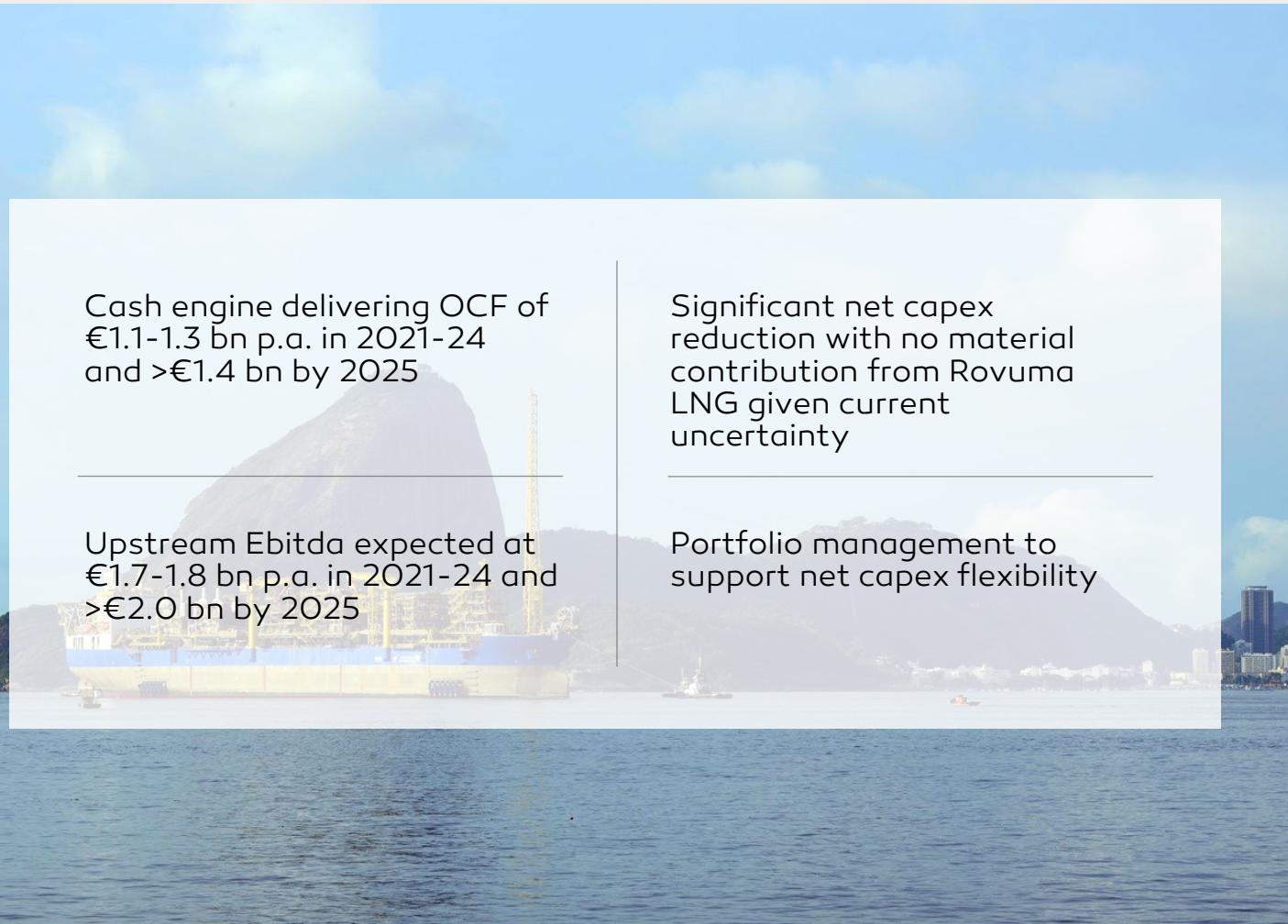
c.50% of net capex allocated towards low carbon

Projects' realignment and cash preservation measures supporting plan adjustment

Asset rotation to control leverage, enhance returns and reshape portfolio

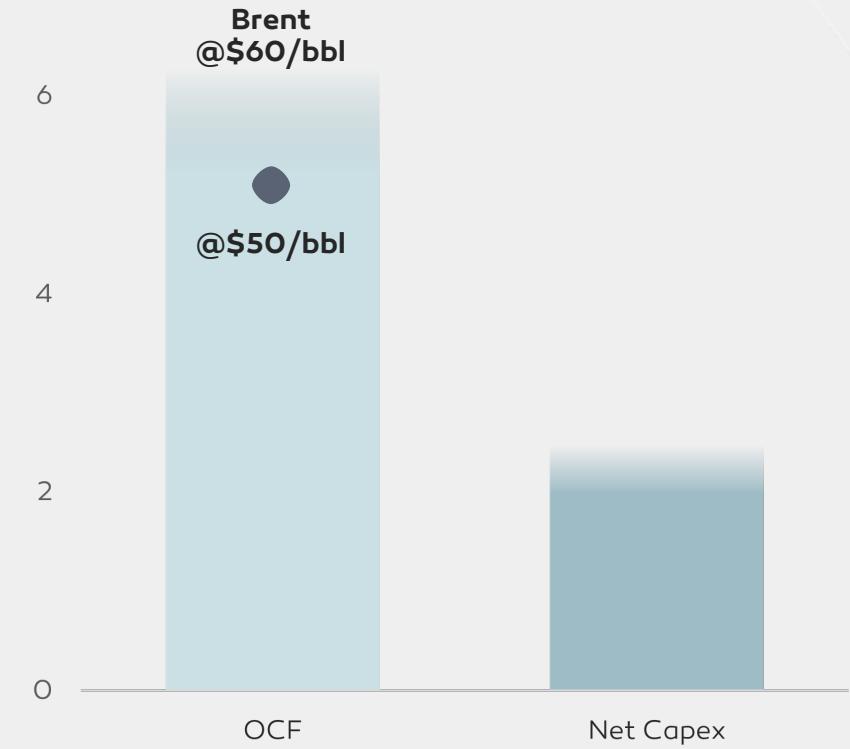
Upstream: continue to deliver superior value

supported by investment discipline



Sources & Uses

2021-25 accumulated (€bn)



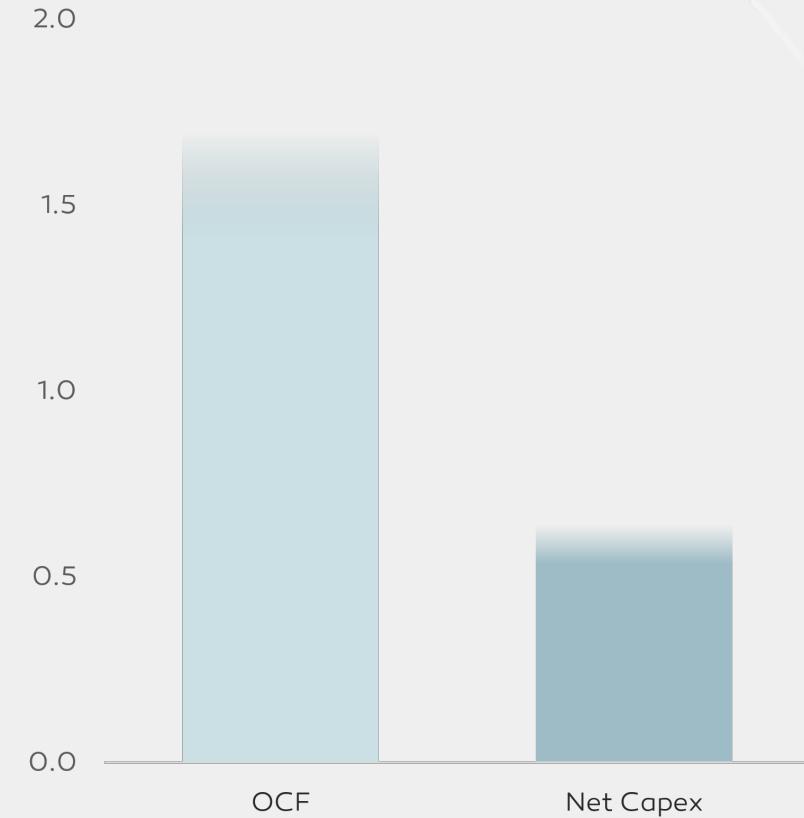
Commercial: strong cash contributor

supported by the ongoing transformation



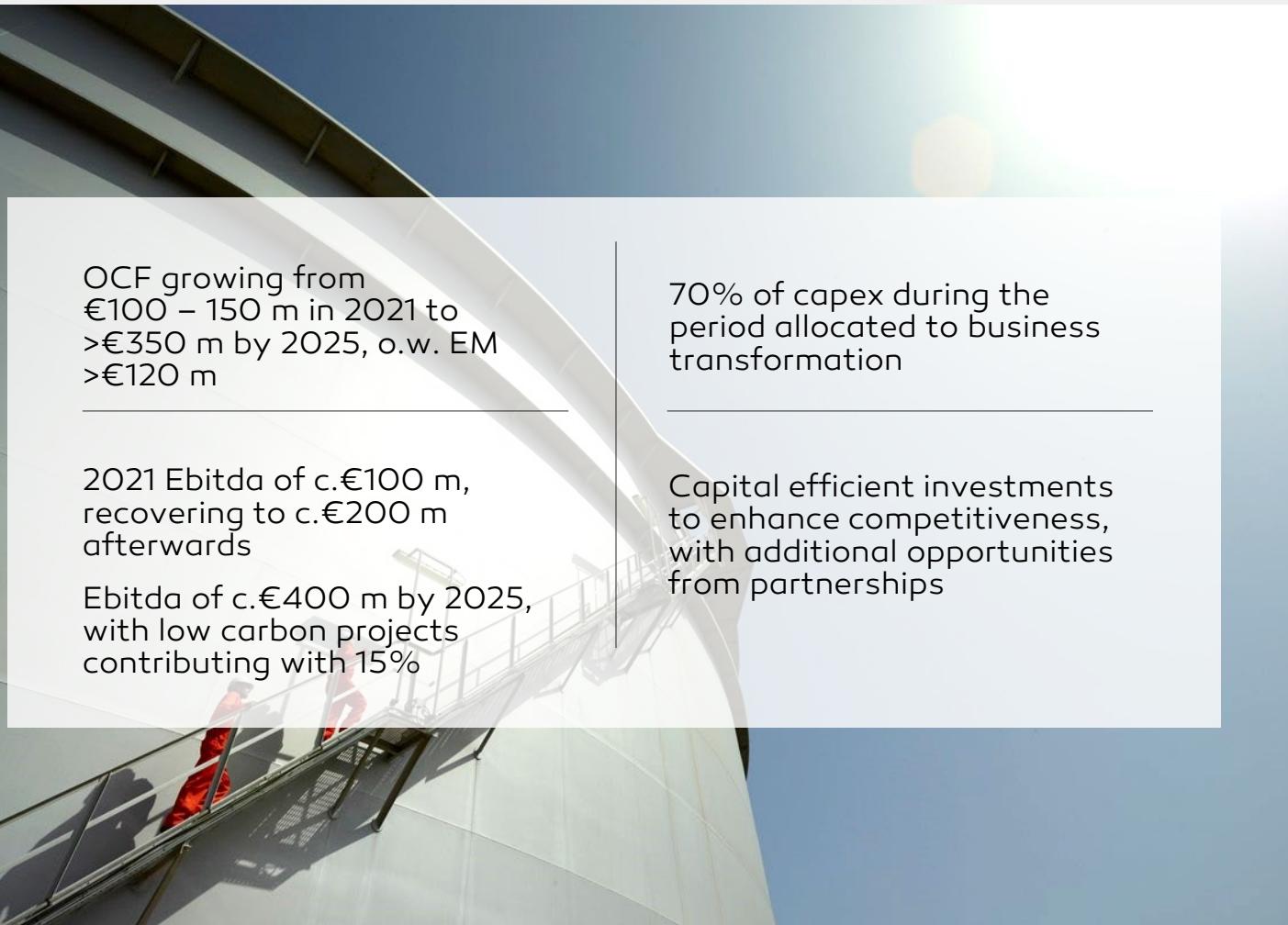
Sources & Uses

2021-25 accumulated (€bn)



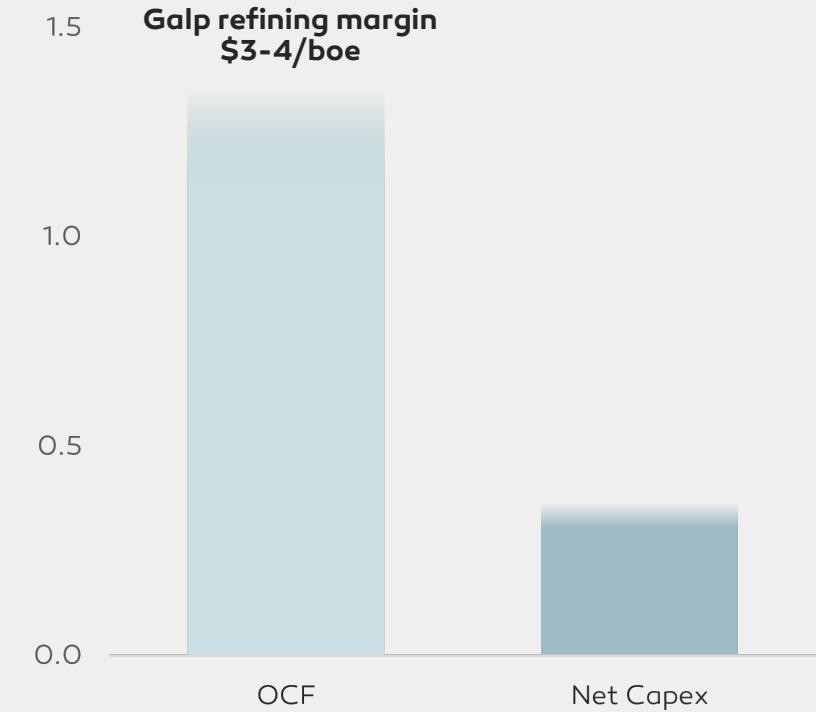
Industrial & Energy Management: transformation plan

to increase resilience and offer low carbon products



Sources & Uses

2021-25 accumulated (€bn)



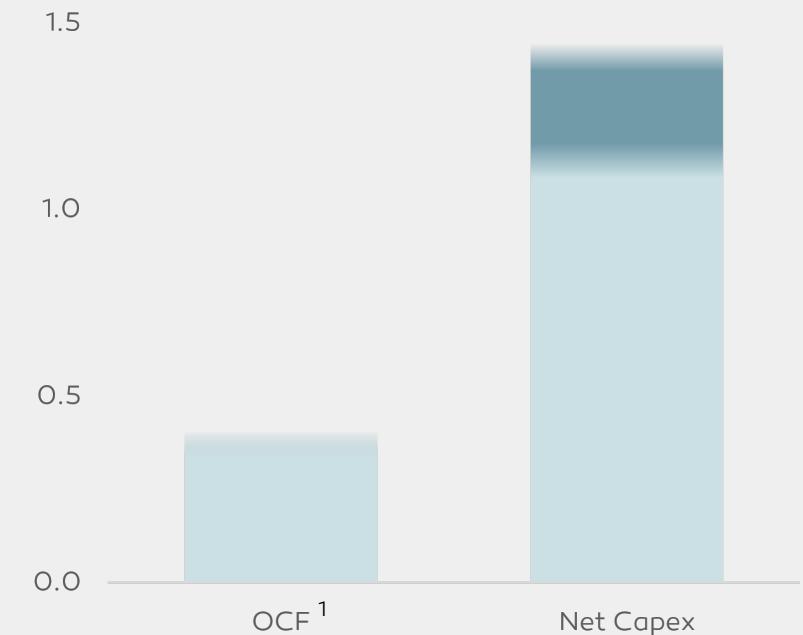
Renewables & New Energies: expanding renewables portfolio

whilst developing upcoming energies



Sources & Uses

2021-25 accumulated (€bn)



Renewables

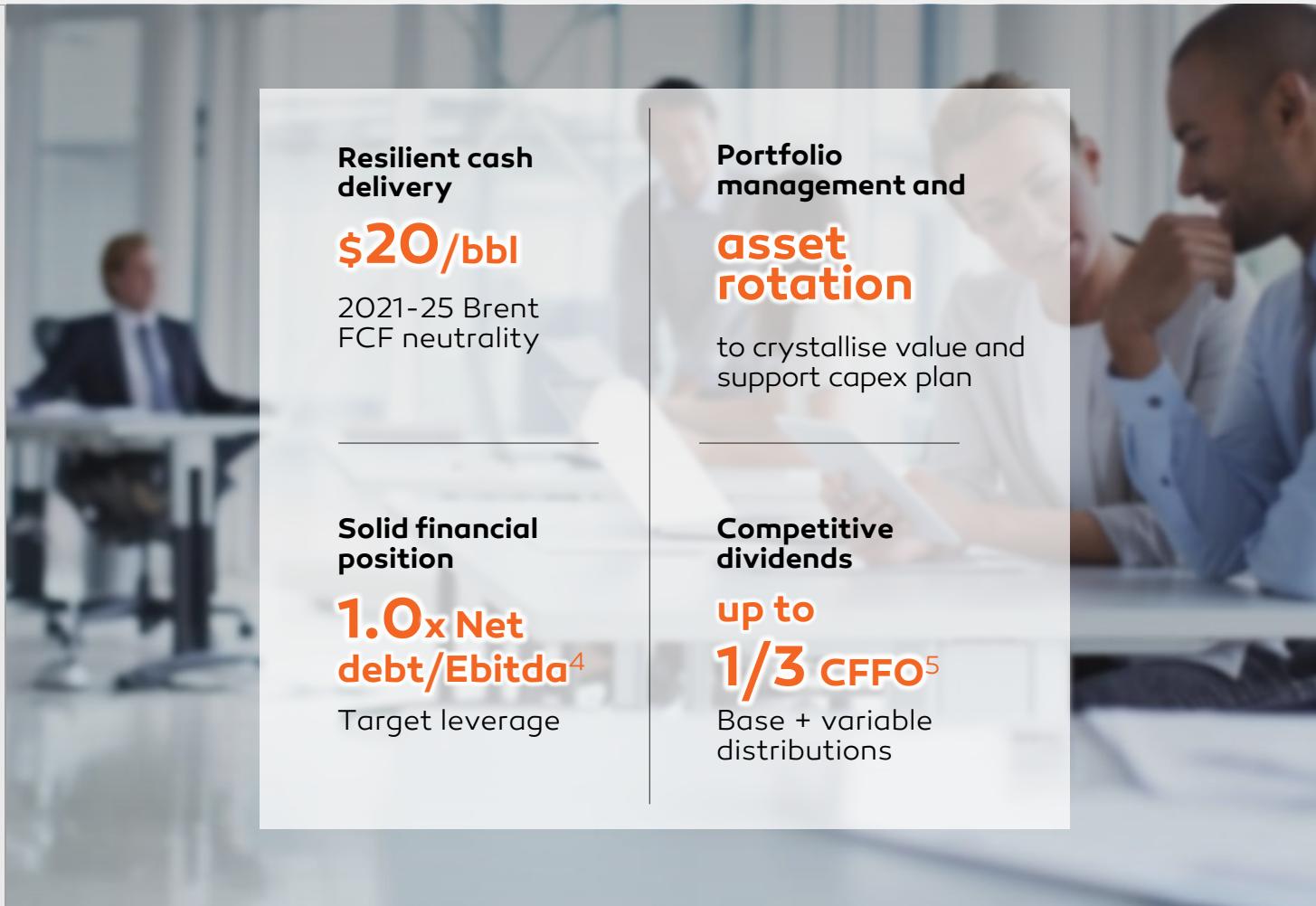
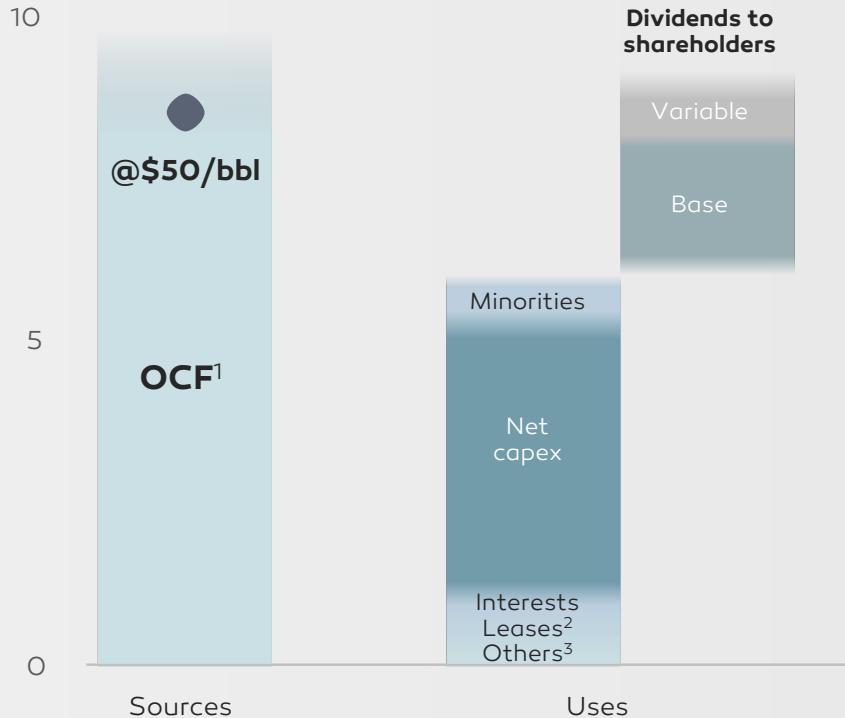
New Energies

Robust financial framework

to drive sustainable growth throughout the decade

Group Sources & Uses

2021-25 accumulated (€bn)



¹Group's Adj. OCF as reported, i.e. only considering consolidated businesses. Note: for macro assumptions, refer to slide 52 in the Appendix. ²Leases include both interests and principal payments. ³Others includes changes in working capital. ⁴Ratio excludes the effects from the application of IFRS 16 leases in both net debt and RCA Ebitda. ⁵CFFO differs from Adj. OCF as the latter excludes inventory effects, working capital changes and special items.



08

Concluding Remarks

Thriving through the energy transition

delivering growth and shareholder value whilst reshaping portfolio

Accelerating
decarbonisation

Highly resilient
and value
driven growth

Competitive
shareholder
returns

Robust
financial
position

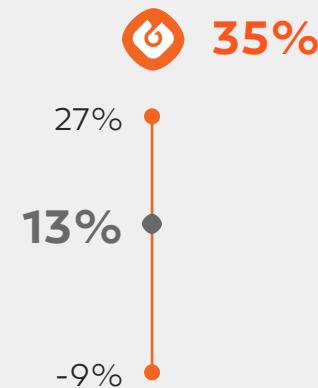
Ensuring
sustainable long-term value creation

Distinctive investment case in the industry

superior growth from capital light asset base ensuring competitive distributions

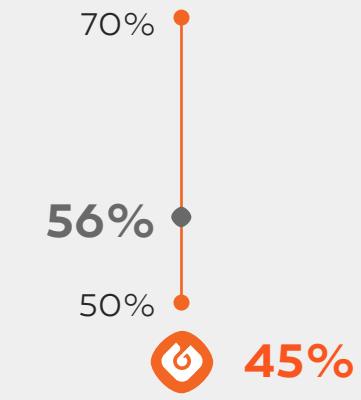
Delivering superior growth...

OCF increase
2021-25



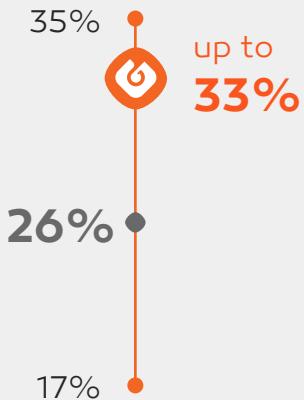
... from low capital intensive plan...

Net capex/CFFO
2021-25



... driving to superior distribution

Distributions/CFFO
2021-25





9

Appendix



Macro assumptions

and sensitivities

Macro assumptions	2021 - 2025E			
Brent price	\$60/bbl			
Galp refining margin	€3.0 – 4.0/boe			
EUR:USD	1.20			
Sensitivities (€ m)	Change	Ebitda 2021 – 25E	OCF 2021 – 25E	FCF ¹ 2021 – 25E
Brent price	\$5/bbl	160-180	80-100	60-80
Galp refining margin	\$1/boe	65-75	50-70	50-70
EUR:USD	0.05	80-100	50-60	20-40

Key guidance

Corporate	2021	2021-25
Ebitda	>€2.0 bn	>€3.0 bn by 2025
OCF¹	>€1.7 bn	>€2.3 bn by 2025 c.35% growth
Net Capex	€0.5 – 0.7 bn	€0.8-1.0 bn p.a.

Upstream

Operational

2021 Production: 125-135 kboepd
2021-25 Production growth: c.25%
Production costs: <\$3/boe

Financial

Ebitda 2021-24: €1.7-1.8 bn p.a.
Ebitda 2025: >€2.0 bn by 2025
OCF 2021-24: €1.1-1.3 bn p.a.
OCF 2025: >€1.4 bn
2021-25 OCF accumulated: c.€6 bn

Commercial

Operational

Convenience contribution: >2x (2025 vs 2021)
2025 Charging points: c.10 k
Electricity sales: >2x (2025 vs 2021)
NG sales: >1.5x (2025 vs 2021)

Financial

Ebitda 2021: €300–350 m
Ebitda 2025: >€450 m
OCF 2021: c.€300 m
OCF 2025: c.€400 m

Industrial & EM

Operational

Target refining opex: \$1.7/boe
Ebitda 2021: c.€100 m
Ebitda after 2021: c.€200 m
Ebitda 2025: c.€400 m
OCF 2021: €100–150 m
OCF 2025: >€350 m, o.w. EM >€120 m

Renewables

Operational

2025 Gross oper. capacity: > 4GW
2030 Gross oper. capacity: 12 GW
Average stake: c.50%

Financial

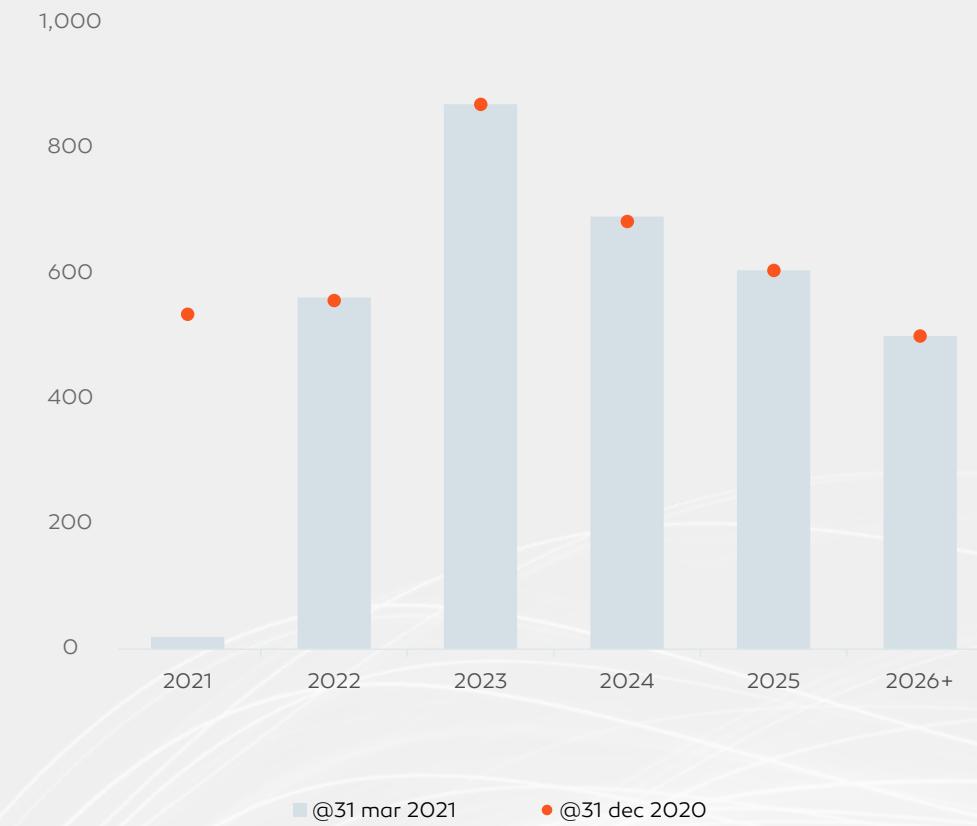
Pro-forma Ebitda 2025: c.€120 m
Pro-forma OCF 2025: c.€100 m
Pro-forma OCF 2030: €250-300 m

Debt indicators

Debt Indicators

(€m)	31 Dec., 2020	31 Mar., 2021
Cash and cash equivalents	1,678	1,739
Undrawn credit facilities	1,262	1,263
Gross debt	3,743	3,291
Average funding cost	1.7%	1.5%
Net debt	2,066	1,552
Leases (IFRS 16)	1,089	1,125
Net debt to RCA Ebitda	1.5x	1.1x
% Debt at fixed rate	48%	40%

Debt reimbursement (€m)



Upstream & Renewables Portfolios

Upstream Projects

Brazil		Angola		Mozambique		São Tomé and Príncipe		Namibia	
BM-S-11 Tupi	9.2%	Block 14 BBLT TL Kuito	9%						
BM-S-11 Iracema	10%	Block 14k Lianzi	4.5%						
BM-S-11A Berbigão	10%¹	Block 32 Kaombo	5%						
BM-S-11A Sururu	10%¹								
BM-S-11A Atapu	1.7%	Area 4 Coral I Rovuma LNG	10%						
BM-S-8 Bacalhau	20%								
Bacalhau North	20%	Block 6	45%²						
BM-S-8 Guanxuma	20%	Block 11	20%						
Sépia	2.4%	Block 12	41.2%						
BM-S-24 Júpiter	20%								
Uirapuru	14%	PEL 82	40%²						
C-M-791	20%	PEL 83	80%²						

Reserves

	2020
Reserves 1P (mboe)	385
Reserves 2P (mboe)	700
Reserves 1C (mboe)	525
Reserves 2C (mboe)	1,720
Total 2P and 2C Resources (mboe)	2,420

Renewables Projects

(GW)	Operating	Under Construction / Development	Total
Gross renewable capacity	926	2,882	3,808
Spain	914	2,387	3,301
Portugal	12	495	507
Equity to Galp	692	2,250	2,941
Spain	686	1,899	2,584
Portugal	6	351	357

Carbon-related targets

Metrics and methodology

Metric	Methodology	2017	2030	2050
Absolute Emissions' reduction from operations	Emissions related to Galp's operations (scopes 1 & 2)	c.4 mtonCO ₂ e (Sc. 1 & 2)	-40%	
Carbon Intensity				Net Zero Emissions
Production-based approach	Emissions from operations (scopes 1 & 2) + emissions from use of Upstream products (oil & gas; scope 3) Energy produced by Galp (Upstream oil & gas, power generation) ¹	93 gCO ₂ e/MJ	-40%	
Downstream sales-based approach	Emissions from operations (scopes 1 & 2) + lifecycle emissions from products sold by Galp (oil products, gas & power; scope 3) Energy of all products sold by Galp	76 gCO ₂ e/MJ	-20%	

Acronyms

\$ (or USD)	Dollar	Ebitda	Earnings before interest and taxes, depreciation and amortisation	m	Million
%	Percentage	eIRR	Equity Internal Rate of Return	mboe	Million barrels of oil equivalent
&	And	EM	Energy Management	MJ	Megajoules
@	At	ESG	Environmental, Social and Governance	MSCI	Morgan Stanley Capital International
€ (or EUR)	Euro	EU	European Union	mton	Million tonnes
+	Plus	EV	Electric vehicle	MW	Megawatt
<	Below	FCF	Free Cash Flow	MWh	Megawatt-hour
>	Above	FID	Final Investment Decision	n	Number
1C; 2C	Contingent resources	FLNG	Floating Liquefied Natural Gas	ND	Net debt
1P	Proved reserves	FPSO	Floating Production Storage and Offloading	NG	Natural Gas
2H	Second Half	g	grams	NPV	Net Present Value
2P	Proved and probable reserves	GW	Gigawatt	O&G	Oil and Gas
Adj. OCF (or OCF)	Adjusted Operational Cash Flow (RCA Ebitda + Dividends from Associates – Taxes paid)	H	Half	o.w.	of which
B2B	Business to Business	H₂	Hydrogen	Oper.	Operating
B2C	Business to Consumer	HVO	Hydrotreated Vegetable Oil	Opex	Operational expenditure
bbl	Barrel	IFRS	International Financial Reporting Standards	p.a.	Per annum
BBLT	Benguela, Belize, Lobito, and Tomboco	IOGP	The International Association of Oil & Gas Producers	PEL	Petroleum Exploration Licences
bn	Billion	IRR	Internal Rate of Return	PPA	Power Purchase Agreement
BoD	Board of Directors	k	Thousand	PV	Photovoltaic
boe	Barrel of oil equivalent	kbbi/d	Thousand barrels per day	Q	Quarter
c.	Circa	kboepd	Thousand barrels of oil equivalent per day	RCA	Replacement Cost Adjusted
Capex	Capital expenditure	kbpd	Thousand barrels of oil per day	RED II	Renewable Energy Directive II
CFFO	Cash Flow from Operations	kg	kilogram	RT2020	2020 Real terms
CO₂	Carbon dioxide	kton	Thousand tonnes	Sc.	Scope
CO_{2e}	Carbon dioxide equivalent	ktpa	Thousand tonnes per annum	vs	Versus
CORSIA	Carbon Offset and Reduction Scheme for International Aviation International	LCE	Lithium Carbonate Equivalent	WI	Working Interest
d	Day	Li	Lithium	x	Times
E	Estimated	LNG	Liquefied Natural Gas	x-sell	Cross-selling



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