

## Key messages





#### **Exclusive TSO in Portugal**

Focused in Portugal with growth opportunities in Chile



#### **Operational excellence**

Highly efficient and reliable player, committed to innovation and technology



#### Stable business context

Stable regulatory context with long term contracts



#### **Solid results**

Strong financial discipline leading to attractive shareholder returns



#### New strategic cycle 2024-27

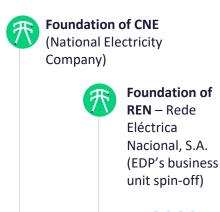
Enabling the Energy Transition, reinforcing our sustainability commitments and delivering sustainable profitable growth

1. EXCLUSIVE TSO IN PORTUGAL 2. OPERATIONAL EXCELLENCE 3. STABLE BUSINESS CONTEXT 4. SOLID RESULTS 5. NEW STRATEGIC CYCLE 202



# 70-year track record as a leading energy infrastructure operator focused in Portugal





**2<sup>nd</sup> reprivatization phase** (State Grid of China 25%; Oman Oil 15%)

Acquisition of a 7.5% stake in **Hidroeléctrica de Cahora Bassa (HCB)** in Mozambique

2000 2006 2007

2014

**2**<sup>nd</sup> **reprivatization phase** concluded (sale of Portuguese State's 11% stake)



Acquisition of Galp NG underground storage assets

2017

IPO of 4% of HCB shares

Acquisition of Transemel in Chile (electricity transmission)

**2021 2022 202**3

1947 1994

Electricity **50-year concession** (2000-2050)



Portuguese State **70% ownership** 

Acquisition of **natural gas transmission assets** to Galp

Natural gas **40-year** concession (2006-2046)



1<sup>st</sup> reprivatization phase (IPO)

2012

Electricity concession period renewed (2007-2057) Acquisition of 42.5% of Electrogas in Chile (gas transmission)

2015

Acquisition of gas distribution company **Portgás** (2008-2048 concession period) and REN **capital increase**  2019

Issuance of REN's First Green Bond (€300M)

> Transemel was awarded two new concessions (Buenavista and Buli)



Transemel was awarded one new concession (Las Delícias)

# **Exclusive TSO and largest gas DSO in Portugal, with international presence**





**Transmission** 



Chile



\*42.5% stake

**Spain** 



















Generation





# Portugal's electricity transmission and system management activity

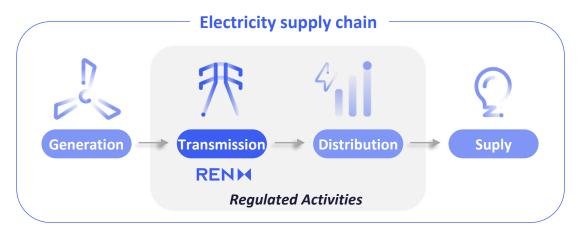
- **Exclusive Transmission System Operator (TSO)**
- Transmission of very high voltage electricity
- Overall technical management of the system
- Concession until 2057

2,010 M€

AVERAGE RAB<sup>1</sup>
JUNE 2024

9,467 km

NETWORK JUNE 2024



 RAB: Regulated Asset Base; Excludes hydroland (for historical reasons, besides transmission and system management assets, REN owns lands alocated to hydro power plants which are in public hydric domain)



National Electricity Transmission System

# The only player in Portugal's gas transmission activity

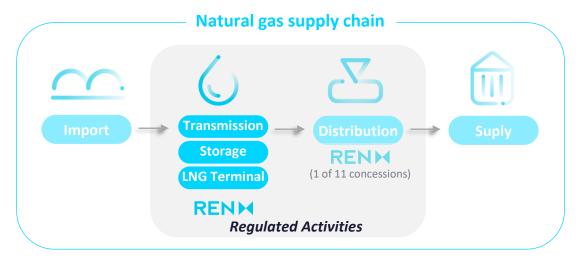
- **Exclusive TSO** (concession until 2046)
- Transportation of high-pressure natural gas and overall technical management of the system
- Reception, storage and regasification of LNG and underground storage of natural gas

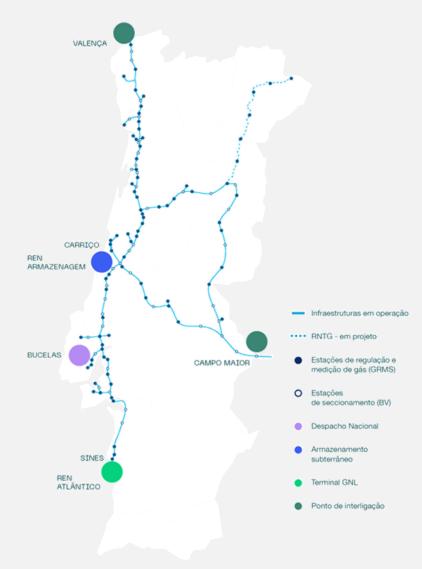
802 M€

AVERAGE RAB JUNE 2024

1,375 km

NETWORK JUNE 2024





# Largest player in Portugal's gas distribution activity

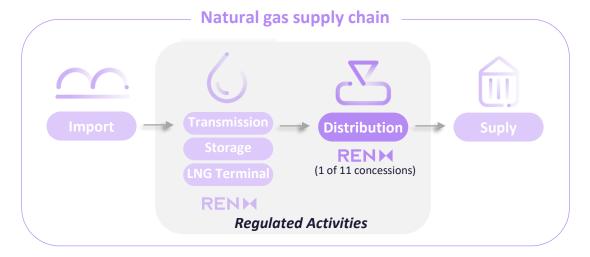
- Largest gas distribution concession in Portugal among 11 companies with exclusive regional concessions
- Provides services in the coastal region of Northern Portugal
- Concession until 2048

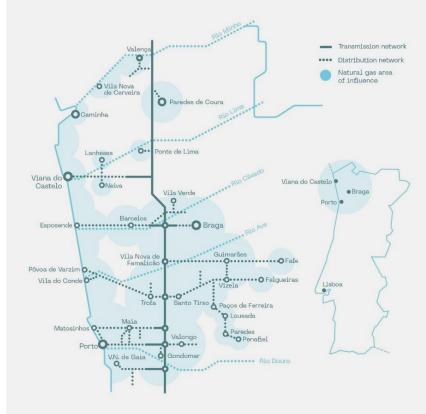
494 M€

AVERAGE RAB JUNE 2024

6,541 km

**NETWORK**JUNE 2024





Portgás network

(**5,716** gwh)

**DISTRIBUTED GAS,** 2023

406,913

CONNECTION POINTS,
JUNE 2024

# strong IT infrastructures

#### **REN Telecom**



Leverage the existing surplus of **secure** telecommunications network capacity in the electricity and gas backbones

**Services provided** include rental of fibre optics, data transmission, data centres, maintenance, projects and consulting

**Strong IT infrastructures** 

Data Centers in different locations

**Redundancy** with emergency dispatch centers

8,106km optical fiber

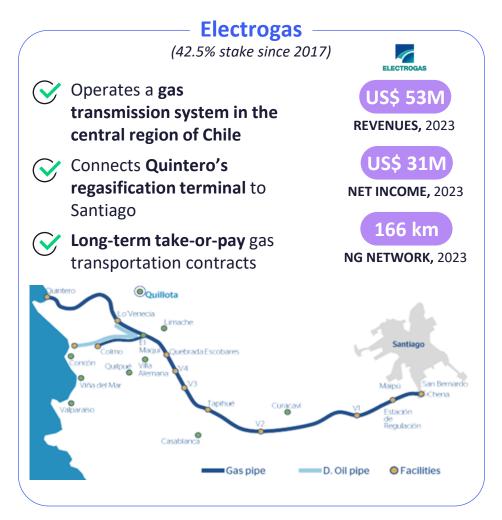
2.875m<sup>2</sup> datacenters

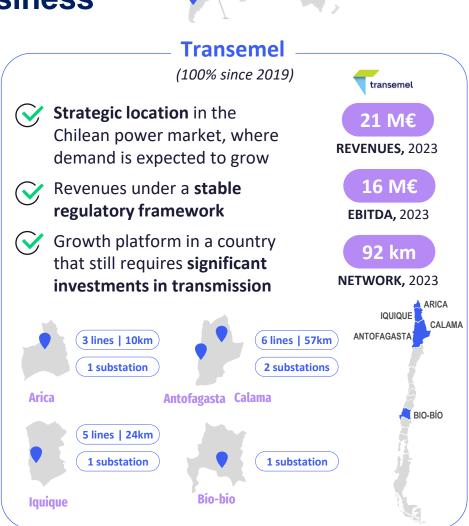
**Neutral** Secure Redundant





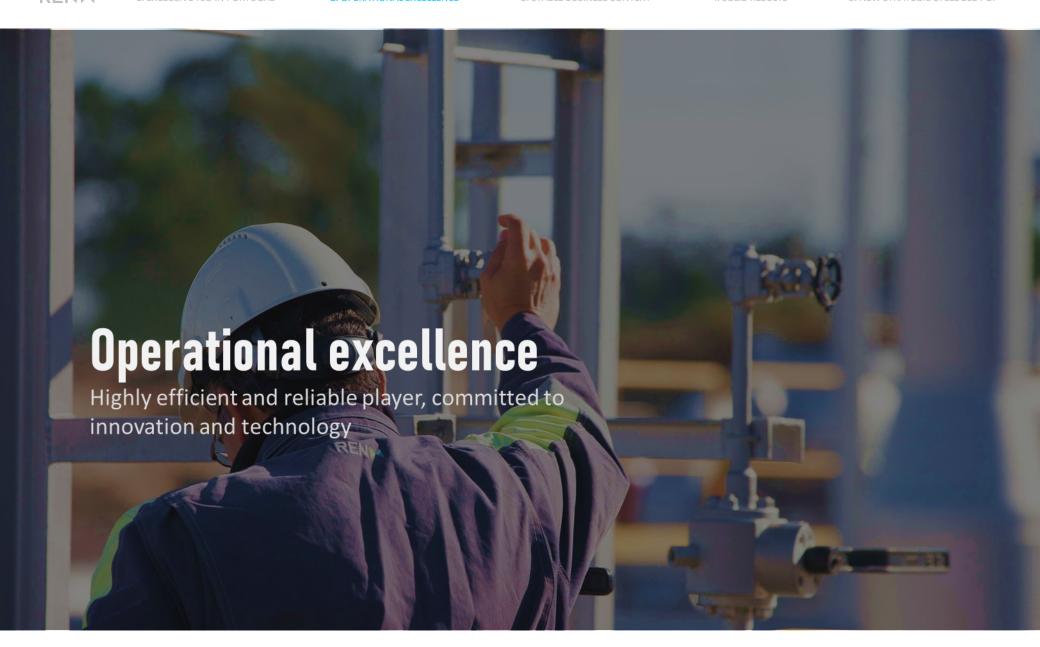






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1. EXCLUSIVE TSO IN PORTUGAL 2. OPERATIONAL EXCELLENCE 3. STABLE BUSINESS CONTEXT 4. SOLID RESULTS 5. NEW STRATEGIC CYCLE 2024-



## Amongst the most efficient TSO's with superior service quality in international benchmarks

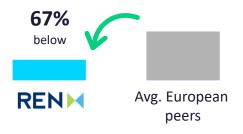


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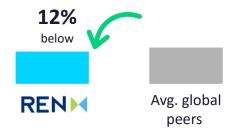
#### **Electricity**

Service level in line with or outperforming peers

#### Line cost



#### **Substation cost**



#### **Natural Gas Transmission**

#### **Opex on pipelines**



#### **Opex LNG Terminal Operators**



Source: ITOMS 2021, published in 2022 - International benchmark of European, American, Asian and Australian transmission operators; Gas transmission benchmarking initiative 2021, published in 2022; LNG receiving terminals benchmarking 2021, published in 2022

## **Enabling a renewable future**

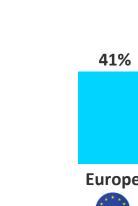


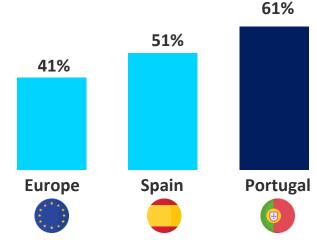
Closing of Portugal's last remaining coal plant in November

2021

2023

% Electricity consumption from renewable sources<sup>1</sup>





Renewable generation supplied

61% of national electricity consumption

**149-hour period** with renewable production exceeding consumption

#### Capacity assigned to RES producers since 2019



% Electricity consumption by source<sup>2</sup>



Wind 25%



**Biomass** 6%



Gas

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Hydro

Photovoltaics

1. Data from Eurostat from 2022; 2. Data from REN from 2023; energy imported represents 20% and is considered as a separate/additional source Acronyms: TRC - Capacity Reservation Certificates

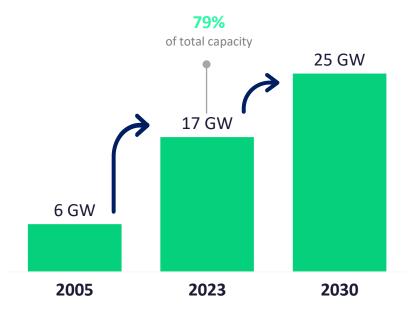
## **REN** secured green transformation in Portugal







#### **Installed capacity of renewables**



REN's investment of >3.1B€ to electricity grid maintenance and expansion since 2005, allowed Portugal to be a clear leader in EU (~50% of electricity volume from green sources in 2020 for Portugal vs. ~35% for Europe)

#### REN kept a stable and reliable service

1.2 Bn€ Domestic capex in 2018-23





42 days of 100% renewable energy in 2023

0.00 min of gas supply interruption duration per offtake in 2023





0.39 min of electricity average interruption time in 20231

# Leverage REN's DNA of innovation and energy transition





**Quality and business** continuity



**Smart and digital** networks and operations



Sustainable development and energy transition



**New business** models

#### **Key projects in 2023**

- Pilot project on gas pipeline monitoring with fiber optic sensing
- Use of robots to clean electrical substations and gas stations
- Pilot internal training project at REN for the use of fixed-wing drones
- TransForm Agenda for the digital transformation of forestry value chains
- DFOS Distributed Fiber Optic Sensing for detecting collisions in power lines Very High Voltage (MAT)

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**RESEARCH, DEVELOPMENT** AND INNOVATION PROJECTS UNDERWAY | 2023



**INVESTMENT IN** INNOVATION | 2023



**Consolidation of innovation** results through a strong innovation culture



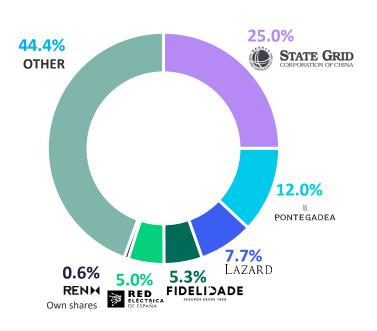
Development a strong internal program complemented with and external ecosystem development

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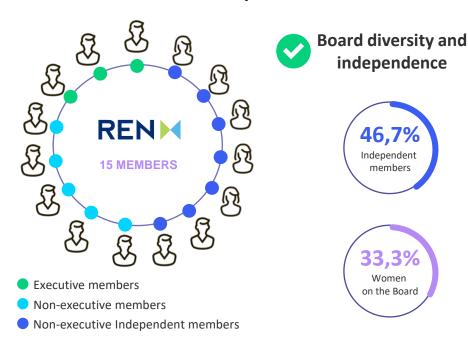
# Solid shareholder base with best-in-class corporate governance



#### Shareholder structure<sup>1</sup>



#### **Board composition**





#### **Special committees and supervisory bodies**

Corporate governance

Nomination and Appraisal

Audit Committee Sustainability Committee Statutory Auditor Remuneration (external members)

# **REN** remains committed to the highest ESG standards









#### **Environmental**



#### Social



#### Governance

COMMITMENTS (2024-27)CORE

Scope 1 and 2 emissions by 2030 vs. 2019	2023: <b>-45%</b>	-60%
Scope 3 emissions by 2030 vs. 2021	2023: - <b>21%</b>	-30%
Carbon neutral	<b>⊘</b> On	track

>1/3 of women in 1st line management positions by 2030 100% employees On track trained in ESG by 2030 3M€ investment in On track communities by 2027

ESG as a key performance 🕢 On track metric across the company 100% Green Debt On track by 2030

Climate | Approval of near-term scope 1, 2 and 3 reduction targets according to the methodology and criteria of the Science Based Target initiative; Installation of 1.5 MW of self-consumption systems (photovoltaic and solar thermal); Development of a circular economy strategy and roadmap

Forest | Implementation of nature-based solutions and reforestation with native species

Mobility | Fleet electrification (49% in 2023 vs 34% in 2022)





Gender equality | In 2023, REN achieves the target of 1/3 of women in first line management positions

Local communities | REN donated 7 vehicles in 2023 to fire departments, teams of civil protection of municipalities and other entities

Ethical and anti-corruption culture | In 2023 REN joined the UN Anti-Corruption Call

Sustainability governance | REN created in 2021 a Sustainability Committee at Board level, which held 3 meetings during 2022















**ACHIEVEMENTS 2023** 

# Good performance in international ESG scores but with ambition to do more



	Scale	Score	Strengths	Latest assessment
S&P Global	0-100	60	Innovation, environmental reporting, and social reporting	February 2024
CDP	D-A	<b>A-</b>	Governance, business strategy, financial planning, scenario analysis, and scope 1 and 2 emissions	February 2024
SUSTAINALYTICS	100-0	15.1	Emissions, occupational health and safety, land use and biodiversity, human capital, and carbon	June 2024
MSCI 🛞	CCC-AAA	AAA	Biodiversity and land use, carbon emissions, and governance	March 2024
ISS ESG ⊳	D-A	В	Community outreach, occupational health and safety	March 2024

# REN deliver reliable and consistent value to all stakeholders



# We are managing our environmental footprint

# We are contributing to Portugal's economic growth

#### >4 B€

invested in Portuguese infrastructure since 2005

#### ~95%

of payments directed to national suppliers/ industry partners

#### ~42%1

average effective tax rate vs. 21% for PSI in 2020-23

#### +13 GW

of renewable capacity since 2000, providing lower production costs for the energy system

## >4,000 ha

replanted since 2010

trees of indigenous species planted since 2010

+1 M

**-45**%

scope 1 and 2 emissions reduction vs. 2019

#### We are committed to our communities

#### ~750

employees in stable teams (>65% with bachelor degree)

#### +1,500

indirect collaborators (service providers and contractors)

#### 100%

availability rate for gas transport in 2023, despite gas shortages throughout Europe

#### **Stability**

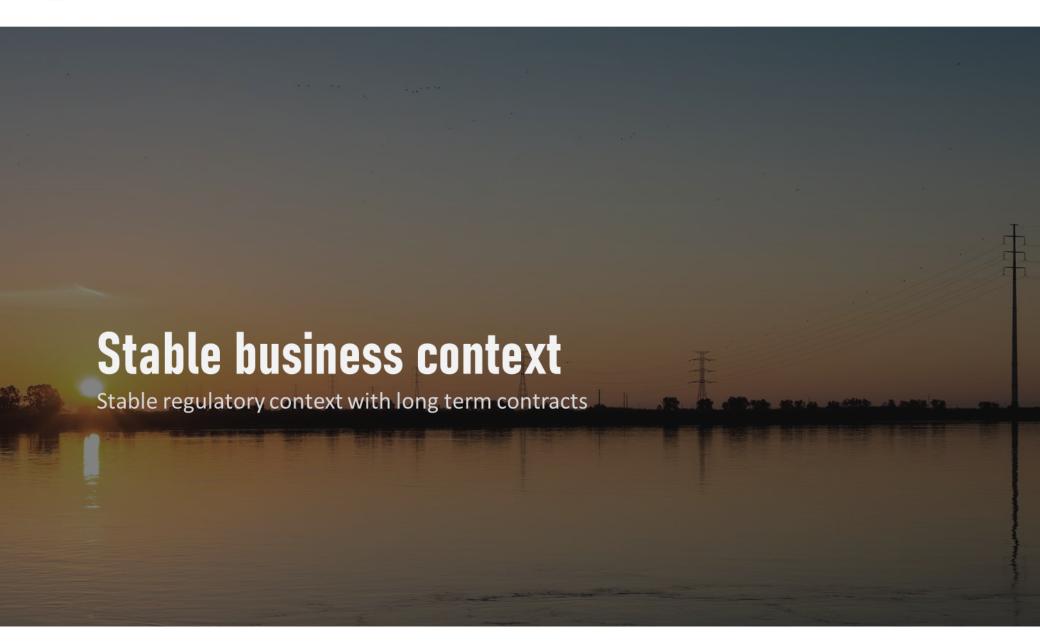
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for industry partners, staying together even during challenging times (inflation, interest rates, geopolitical conflicts)

. Excluding non-recurring effects



REN



## **Fully regulated domestic business**





Regulatory framework



- 4-year regulatory periods, for electricity and natural gas respectively, during which the relevant parameters remain stable
- Stability is a guiding principle of the regulation



- Tariff revenues are not dependent on State payments
- Transmission/transportation operators do not have consumer credit risk



- Allowed revenues assure cost of capital remuneration and recovery of costs through revenue cap (allows REN to obtain efficiency gains by being below the revenue cap set by the regulator)
- Earned via tariffs charged to final consumers by suppliers

#### Key regulatory stakeholders

- Ministry of Environment and Climate
   Action | Setting the energy policies and their implementation
- **ERSE** | Energy independent regulator, responsible for setting tariffs
- DGEG | Design policies on energy and geological resources

# Introduction of **TOTEX** regulation in the electricity business



#### REN's domestic allowed revenues breakdown

#### 

- Fixed annual amount over the regulatory period to cover Return on RAB, D&A recovery and Opex recovery
- RoR is indexed to 10y PGB yields + a 0.75 premium for efficient assets pre-2022
- Opex recovery and D&A recovery for assets post-22 evolve with volume drivers<sup>3</sup> and inflation, with an efficiency factor of 1.5%
- Positive or negative annual spread from the defined reference return is shared / recovered from consumers at the end of the period
- 1.5% Efficiency factor Applies to the partial Revenue Cap TOTEX, excludes incentives and pre-2022 asset revenue

- Incentive based on performance metrics<sup>4</sup>
- RoR: defined individually for Gas Tx and Gas Dx. Evolves with 10y PGB yields

RAB: Gas Tx and Gas

Dx regulated assets.

Evolves in line with

capex execution

- Depreciation of Regulated Asset Base, net of subsidies
- Evolving in line with capex execution
- Opex is subject to efficiency targets
- Gas Efficiency Factors: Transportation, LNG and Storage: 1.0-2.0%; Distribution: 1.5%

1. Only for Electricity Transmission Activity (excludes System Management activity); 2. Underlying RAB evolution for the period was forecasted by the regulator (ERSE) based on the approved investment plan; 3. €/ km of network and €/ MVA connected by producer; 4. Equivalent interruption time (TIE: Tempo de Interrupção Equivalente), Network and equipment availability (TCD: Taxa combinada de disponibilidade) and Interconnection capacity

## Transparent and stable return mechanism



#### **RoR** indexation mechanism

## At the start

- Base RoR indexed to the average
   Portuguese
   government 10-Y
   bond yields (using CAPM as a reference)
- RoR starting point set at the beginning of the regulatory period

# 7.8 Natural gas (Tx) Natural gas (Tx) Natural gas (Tx) 7.8 7.4 7.0 4.156 -2.031 8.969 10.177

Avg. 10-Y PT Gov. bond yields (%)

#### **Every year**

New gas

period

2024-27

regulatory

 Calculation of the RoR using the average bond yield

■ Base RoR set at 5.30% and 5.70% for transmission and distribution, respectively (implied 10y PGB of 3.177%). Minimum and maximum RoR was set at 3.1% and 7.4% for Transmission and 3.5% and 7.8% for Distribution

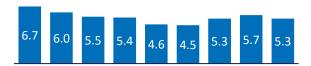
RoR / 10y PGB relation of 0.3 (i.e., 1% change in RoR reflects a 3.3% change in 10y PGB)

#### **RoR evolution, %**

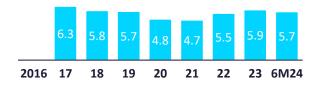
#### **Electricity** (base)



#### **Gas Transmission**



#### **Gas Distribution**

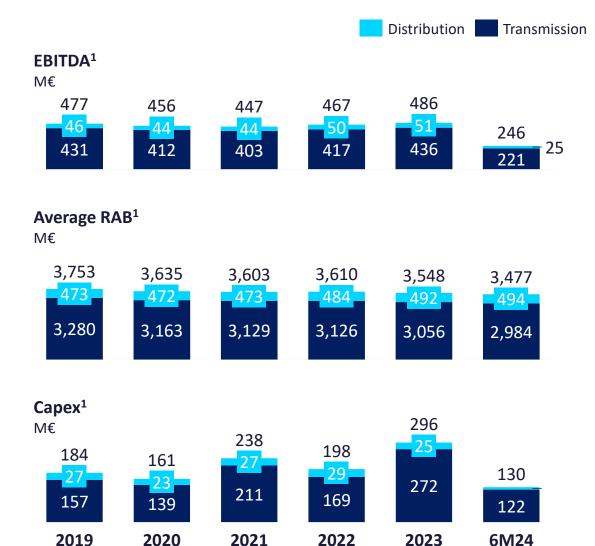


## Stable financial performance in domestic business





The regulatory framework provides REN with stable results





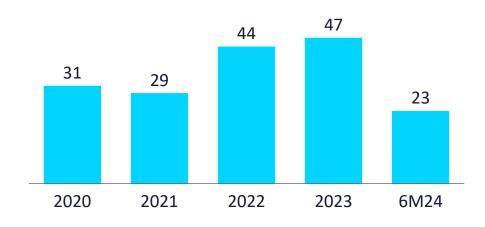






# Electrogas business has high EBITDA margins and low capex requirements...

#### **EBITDA** US\$ M



#### **EBITDA Margin**, %



#### NG Transport., bcm





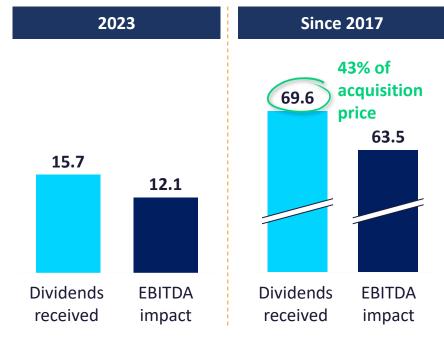




#### ...with positive impact in REN's results

#### **Impact on REN**

M€

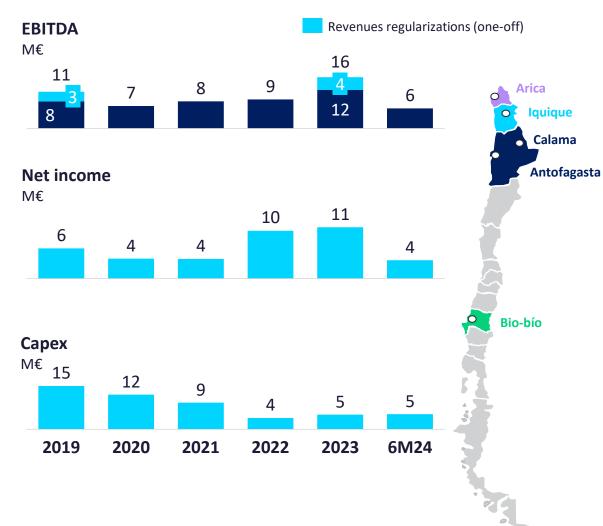


# International electricity transmission business with attractive growth potential





Transemel's results are expected to grow reflecting strong expansion capex plans



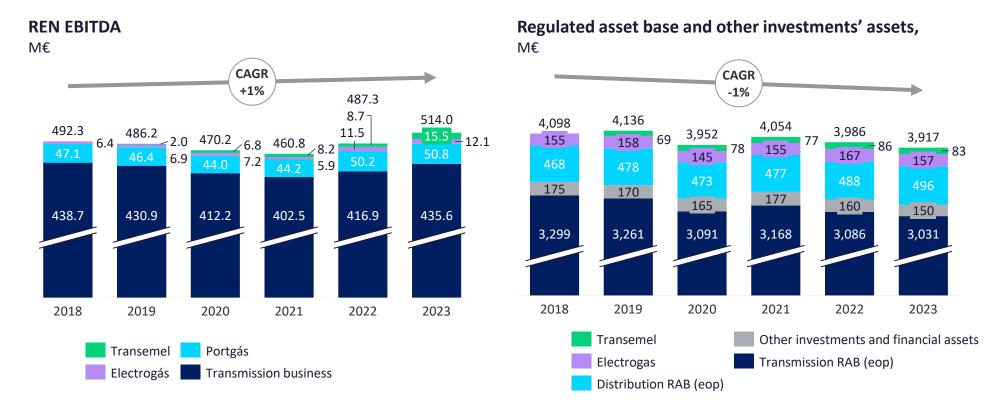
## Strong operational performance and

#### stable asset base





New businesses allow for an overall asset base stabilization and sustainable operational results, despite mature domestic transmission business





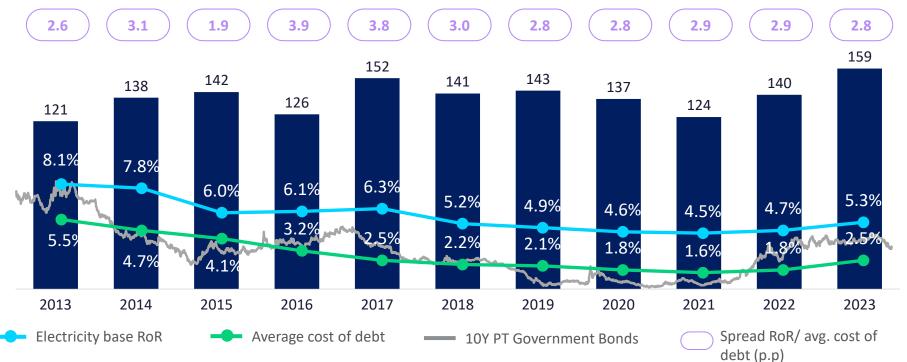
#### Stable net income



# Despite some volatility in 10y Portuguese Government Bonds, REN has been able to maintain a stable net income

#### Net income<sup>1</sup>

M€

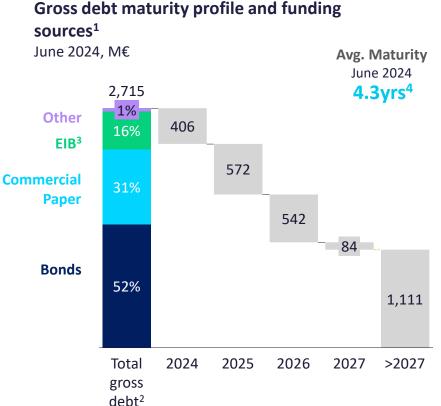


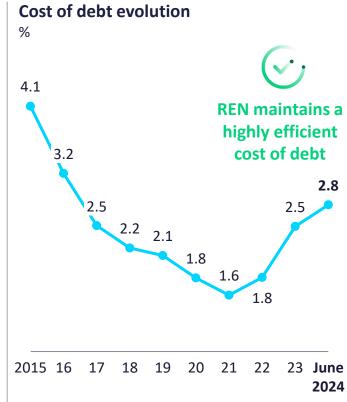
<sup>1.</sup> Excluding extraordinary levy since 2014, and non recurring fiscal effect in 2023 Source: REN

CORPORATE PRESENTATION

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# Balanced credit profile with investment grade credit metrics and lower cost of debt









#### **BBB**

Stable outlook

# FitchRatings BBB

Stable outlook

Moody's Baa2

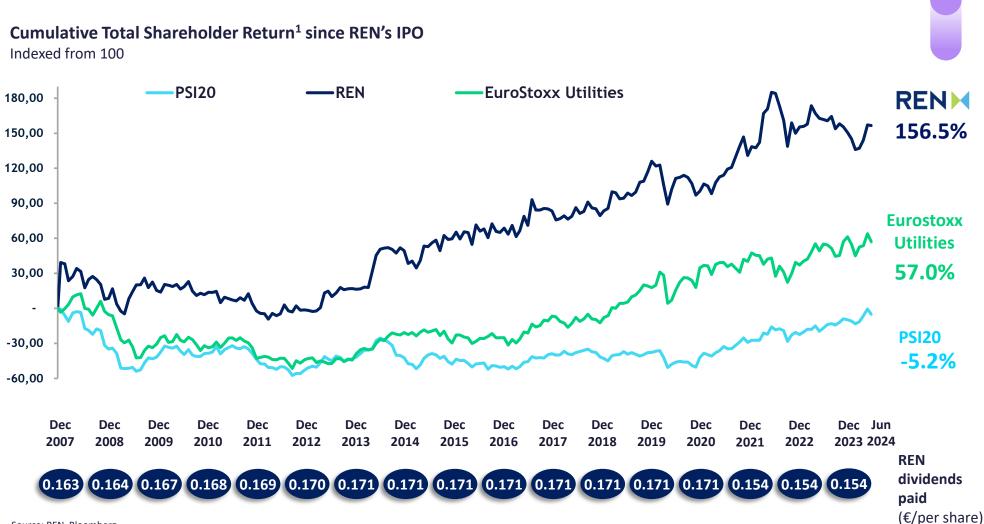
Stable outlook

REN debt management priorities are cost of debt optimization and net income protection achieved through a flexible funding structure and adequate liquidity position

<sup>1.</sup> Fixed/variable rates: 68%/32%; 2. Adjusted by interest accruals and hedging on yen denominated debt; 3. European Investment Bank; 4. Includes liquidity available; The debt maturity was obtained in an exercise where all of REN's financial instruments, either currently issued or available to issue, are used

## Delivering compelling returns to shareholders

2. OPERATIONAL EXCELLENCE



Source: REN, Bloomberg

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<sup>1.</sup> Total Shareholder Return = (Stock price end of period - Stock price beginning of period + Dividends) / Stock price beginning of period;

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## Stable and attractive dividend per share



**REN** has delivered stable and attractive remuneration to its shareholders



# The Energy Transition is imperative with the energy sector to play a vital role



#### The world is moving to tackle climate change

**1.5**ºC

limit to achieve climate neutrality, as committed in the Paris Agreement

+55%

CO2 emissions cut by 2030, established by the European Green Deal to facilitate the 2050 climate neutrality target

#### +60%

Expected EU power demand rise until 2030 driven by a shift towards electrification and green H<sub>2</sub> production

#### +600gw

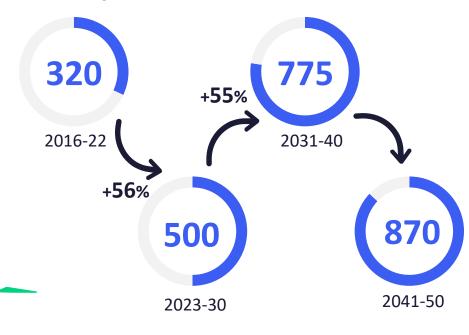
Necessary wind and solar installed capacity increase by 2030 in line with EU Action Plan for Grids

#### +87GW

Cross-border transmission capacity needed in Europe by 2030 in line with EU Action Plan for Grids

#### The transition will not happen without grids

Global average annual T&D investments, B\$ 2022





#### Reinforcing our sustainability commitments

Stepping-up ESG targets
Fostering people excellence

#### **Enabling the Energy Transition**

Executing on the electricity transmission growth
Unlocking the role of green gases
Consolidating growth in Chile

#### **Delivering sustainable profitable growth**

Growing our asset base sustainably

Maintaining strong credit ratings

Ensuring attractive returns to our shareholders

## Reinforcing our sustainability commitments





**Accelerated** environmental commitment

#### **Core commitments**

**-60**%

Scope 1 + 2**Emissions** (by 2030 vs. 2019)



2040

Carbon neutral



#### Path to achieve it

By 2030...

80% Electrified fleet

-50% SF6 emissions (vs. 2023)

-30% CH4 emissions (vs. 2023)

**15**MW Renewable capacity for self-consumption

50% Suppliers contracted volume compliant with SBTi



**Improved** impact on society

#### Social

3M€

investment in communities1 by 2027

>1/3

**-30**%

Scope 3

(vs. 2021)

**Emissions** 

women in first-line management positions by 2030

100%

employees trained in ESG by 2030

#### Governance

ESG as a key performance metric

across company (vs. for managers previously)

100% Green debt by 2030



#### Zero

Tolerance for accidents with fatalities and technical incidents that could result in fatalities 2м€

Investment in employee capabilities by 2027

>75%

Remain in 1st tier of employee satisfaction<sup>2</sup>

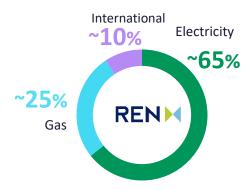
## **Stepping-up our investment** up to 70% over 2021-23 cycle



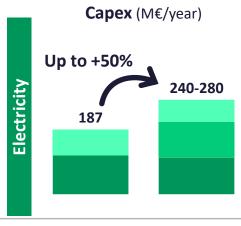
5. NEW STRATEGIC CYCLE 2024-27

## **1.5-1.7**B€

to be invested in the 2024-27 cycle



annual avg. investment vs. the 2021-23 cycle



**Up to +125%** 

51

Gas

Modernization, resilience and climate change adaptation

Solar agreements **Grid** expansion

Expansion of the electricity grid in Portugal, recognizing its critical role as the Energy Transition backbone

Enabling the integration of additional renewable energy and accelerating system decarbonization



105-115

of investment in green gases infrastructure

Green gases

Natural gas distribution

Natural gas transport

- Strengthen the gas infrastructure to ensure security of supply
- Develop/adapt infrastructure for green gases

**Up to 70%** 





Consolidate Chile's footprint through stable organic growth



**100M€ project pipeline** (80% secured in the past 2 years), with upcoming auctions valued at +1B€

1. EXCLUSIVE TSO IN PORTUGAL 2. OPERATIONAL EXCELLENCE 3. STABLE BUSINESS CONTEXT 4. SOLID RESULTS 5. NEW STRATEGIC CYCLE 2024-27

# Connecting Portugal's ambitious portfolio of new renewable projects and unlocking green gases



#### 2024-27 investment plan for electricity grid expansion

Technology		Capacity to	o be connected		
## <u>#</u>	Solar	<b>2.5</b> GW	solar projects awarded in <b>regulated</b> auctions		







- Expanding grid capacity to meet the growing needs of large industrial consumers
- Reinforcing the Tâmega hydro plant connection
- Preparing to enable the introduction of offshore wind in the future energy mix

#### **Gas infrastructure**



#### Green hydrogen

Pursuing the development of **regional H2 valleys** 

Developing 2 new H2-ready storage caverns to ensure security of supply

Adapting the grid infrastructure for **H2 blending** 

Assessing Portugal's integration into the H2Med corridor<sup>1</sup>

## $^{\sim}15$ km

sines H2 valley dedicated pipeline

+1.2TWh

new caverns gas storage capacity

10%

target H2 blending



#### **Biomethane**

On track to connect Portugal's first biomethane plants to the grid this year

+0.4TWh

biomethane capacity connected to the grid by 2027

38

**Actively seeking for partnerships** to connect producers and support them throughout their project development phase

Not considered in 2024-27 Investment Plan

# Digitalization, innovation and the regulatory framework will be key in the new cycle



We will leverage digitalization and innovation to enable and empower our operations

+60M€

spending<sup>1</sup> in digital and innovation initiatives in 2024-27



Quality and business continuity



Smart and digital networks



Sustainable development



New business models

- Digital tools to improve system operations and flexibility management
- Augmented and Virtual Reality solutions
- Drone, satellite and linear assets monitoring
- Al for predictive maintenance
- Automated robots
- TransForm agenda
- Distributed Fiber Optic Sensing
- Sustainable Substations
- Telco and Data Centers
- Speed-E

Regulation will be key in the next investment cycle to ensure among others...



Returns aligned with system goals, promoting system flexibility and creating value for the society



Stable parameters and adequate remuneration for increased investment to enable the Energy Transition



Suitable incentives and efficiency targets to drive operational excellence, and asset availability

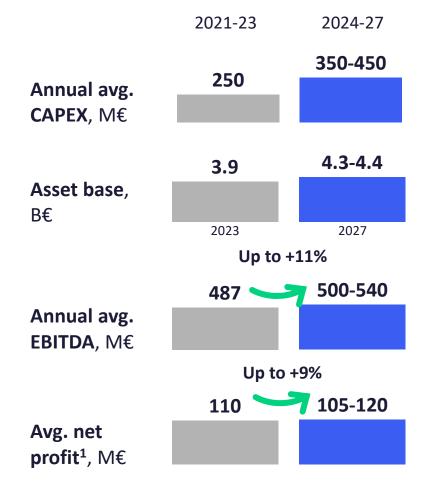
# Firm commitment to strong fundamentals, fueled by significant investment growth to enable the Energy Transition





Managing portfolio and execution risk carefully

Stable and supportive regulatory framework





Uptake in renewables capacity and impending green gases acceleration to drive significant investment growth in electricity and gas infrastructure, leading to up to +1% p.a. RAB growth during the 2023-27 period



Our path in this strategic cycle will unlock EBITDA and net profit growth

# Solid credit metrics and attractive and sustainable dividend policy



Predictable, sustainable and attractive dividend policy

Prudent debt
management and
commitment to
maintain
investment grade
rating

2021-23 2024-27

0.154 0.163

Dividend,

€/share

2.7-2.4 2.6-2.5

Net debt,

B€

12-14% 13-15%

FFO/Net debt¹, %

Committed to increase the dividend per share at 2% CAGR until 2027

100% new bond funding to be green

Funding needs fully covered for the next >24 months

>5 years debt maturity from 2025 onwards

<sup>1.</sup> Range encompassing methodologies from the different rating agencies



## **6M24 Results**



		INDICATOR	6M23	6M24	∆ 6M23/24	
		EBITDA <sup>1</sup>	264.9	257.8	-7.1	-2.7%
	Results	Net financial income <sup>1</sup>	-16.7	-27.7	-11.0	-65.7%
	Res	Net income	63.0	48.6	-14.4	-22.9%
		Recurrent net income	61.5	47.5	-13.9	-22.6%
	ent	CAPEX <sup>2</sup>	111.8	135.4	23.6	21.1%
开	nvestment	Transfers to RAB <sup>3</sup>	33.1	29.9	-3.2	-9.6%
_	<u>_</u>	Average RAB	3,533.2	3,477.4	-55.8	-1.6%
		Net debt	2,393.7	2,679.8	286.1	12.0%
3	Debt	Net debt (excluding tariff deviations)	2,339.1	2,426.9	87.8	3.8%
		Average cost of debt	2.4%	2.8%	0.4 p.p.	

<sup>1.</sup> Includes the reclassification of costs with Financial Transmission Rights from Net Financial Income to EBITDA; 2. Capex includes direct acquisitions; 3. Transfers to RAB (at historic costs) includes direct acquisitions RAB related:

Acronyms: RAB - Regulated Asset Base

Note: Values in millions of euros unless otherwise stated

## REN at a glance<sup>1</sup>



**FINANCIAL** 

149.2 M€ NET INCOME

301.5 M€

**3,547.8** M€ AVERAGE RAB



COMMUNITIES

**670** k€ INV. IN THE COMMUNITY

**1,535** hours VOLUNTEERING



ELECTRICITY

44.8 TWh ENERGY TRANSMITED

**50.7** TWh consumption

0.39 min
INTERRUPTION TIME<sup>2</sup>



**HUMAN CAPITAL** 

748 EMPLOYEES

28.2% WOMEN IN MANAGEMENT<sup>3</sup>



GAS

**55.6** TWh TRANSPORTED ENERGY

**49.0** TWh CONSUMPTION

95% LNG TERMINAL



**NATURAL CAPITAL** 

49% ELECTRIFIED FLEET

47,378
TREES PLANTED