

Corporate Presentation

2022



### Disclaimer



Some statements and estimates in this material may represent expectations about future events or results that involve risks and uncertainties known and unknown. There is no guarantee that the events or results referred to in these expectations will occur.

These expectations are based on present assumptions and analyses from the viewpoint of our management, based on their experience, the macroeconomic environment, market conditions in the energy sector and our expected future results, many of which are not under Cemig's control.

Important factors that can lead to significant differences between actual results and projections about future events or results include Cemig's business strategy, Brazilian and international economic conditions, technology, Cemig's financial strategy, changes in the energy sector, hydrological conditions, conditions in the financial markets, uncertainty regarding future results of operations, plans and objectives as well as other factors. Because of these and other factors, our actual results may differ significantly from those indicated in or implied by these statements.

The information and opinions contained herein should not be understood as a recommendation to potential investors and no investment decision should be based on the truthfulness, or completeness as of the date hereof of this information or these opinions. None of Cemig's professionals nor any of their related parties or representatives shall have any liability for any losses that may result from the use of the content of this presentation.

To evaluate the risks and uncertainties as they relate to Cemig, and to obtain additional information about factors that could lead to different results from those estimated by Cemig, please consult the section on Risk Factors included in our Formulário de Referência filed with the Brazilian Securities Commission – CVM, and in Form 20-F filed with the U.S. Securities and Exchange Commission – SEC.

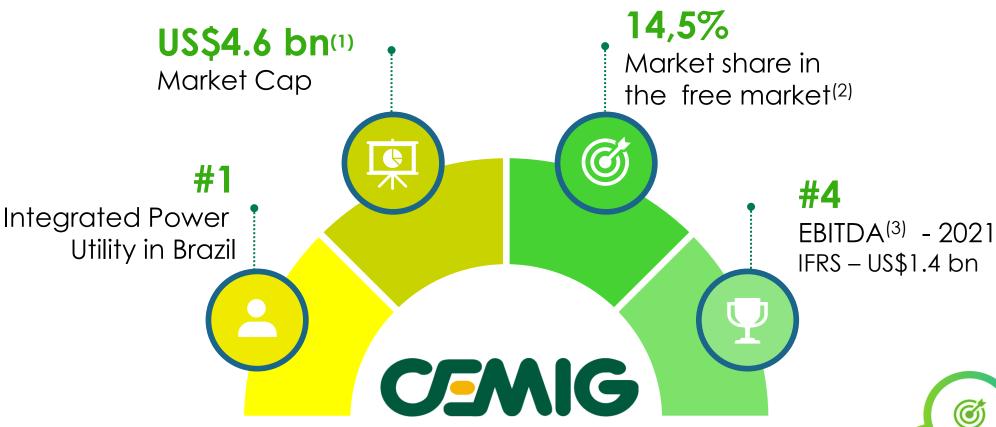
In this material, financial amounts are in R\$ million (R\$ mn) unless otherwise stated. Financial data reflect the adoption of IFRS



# **Brazil's Leading Power Utility**



### In the Power Industry since 1952







(2) In the Brazilian Energy Industry

(3) FX R\$/US\$5,5799 on December 31<sup>st, 2020</sup> LTM – Last Twelve months (oct/20-sep/21)

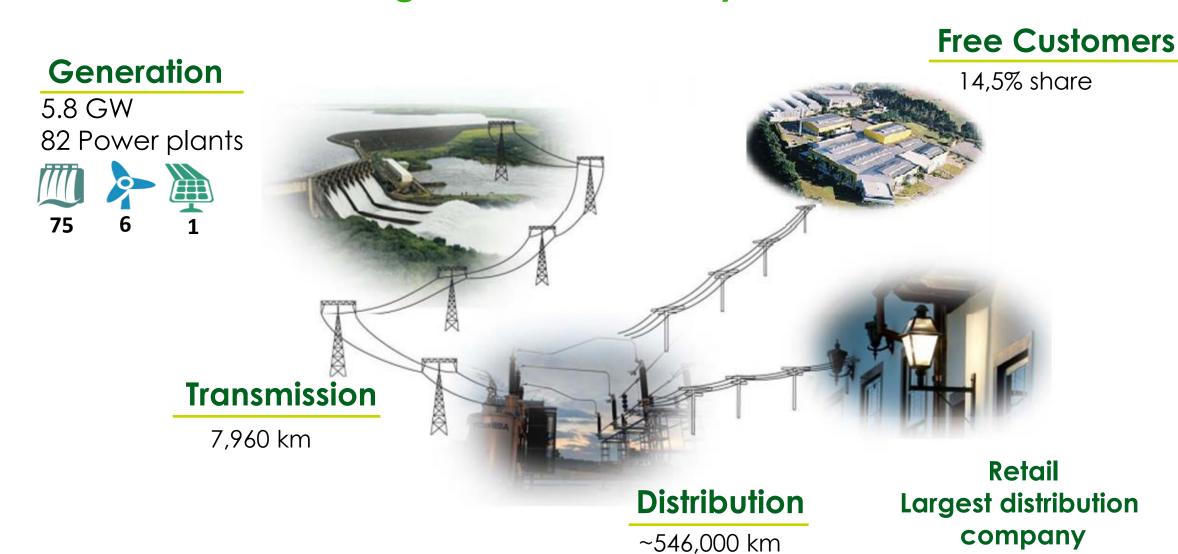


100% renewble

# **Cemig: in Numbers**



### Integrated Power Utility in Brazil



# Cemig is Uniquely Positioned





Integrated - Leader in Renewable 100% of our generation is renewable

**Integrated Power Utility in Brazil** 

0

**Power Generation** 



Cemig "Free Consumer" Clients

Presence in

**26** 

**States** 

RR

0

AM



**Power Generation** 



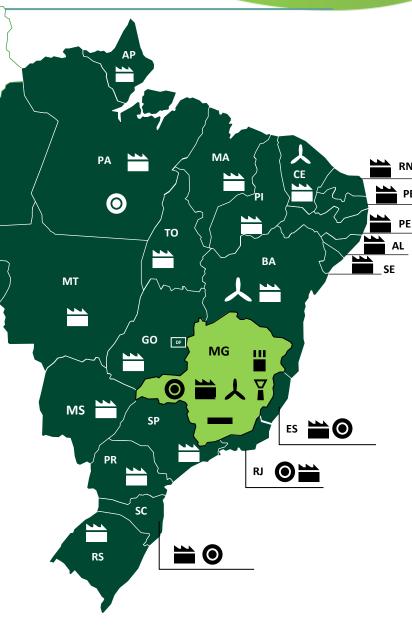
Wind Power Generation



**Electricity Distribution** 



**Natural Gas Distribution** 



# Cemig at a Glance



### Shareholder structure - Based in State of Minas Gerais



50.97% ON 0.00% PN

Total 17.04%

#### **BNDESPAR**

11.14% ON Total 1.24% PN 4.55%

#### FIA Dinâmica

27.09% ON Total 7.38% PN 13.97%

#### Others

10.80% ON Total 91.38% PN 64.44%

Feb/22

### CEMIG



#### Among the most liquid stocks in Brazil's electricity sector

- Listed on New York, São Paulo and Madrid
- More than 195,000 shareholders in more than 39 countries
- Average daily trading volume in Jan/22 R\$94.3mn in
   B3 and U\$\$16.4mn (R\$90.7 mm) in NYSE



#### Solid dividend policy

Payout - 50%



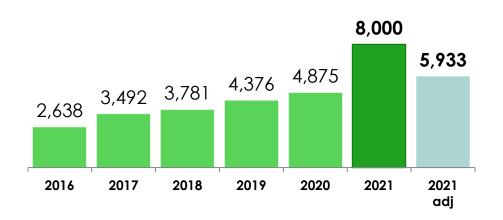
#### **Best-in-Class Corporate Governance**

- Minas Gerais, controlling shareholder a positive influence
- Board of Directors nine members
  - Seven members have the characteristics of an Independent Board Member, by the criteria adopted by the Dow Jones Sustainability Indexes (DJSI) /

## Cash generation



Ebitda – R\$MN



Net Income – R\$MN

3,753

1,700

1,001

335

2016

2017

2018

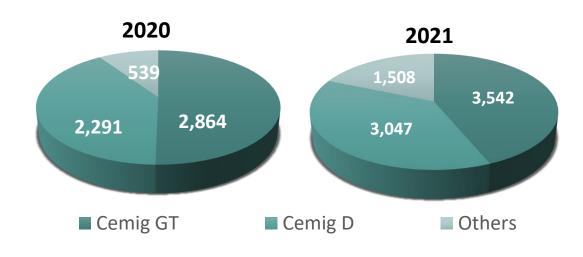
2019

2020

2021



### **Breakdown of Ebitda (IFRS)**



# Solid dividend policy



### Proposal for allocation of 2021 net income

Dividends to be paid in 2022:

**R\$1,966 mn** destined for the payment of mandatory dividends, corresponding to R\$1.16 per share Payment in two equal installments – the 1st until Jun/22 and the 2nd until Dec/22

- R\$955 mn declared as interest on equity
   Charged to the mandatory dividend, as resolved by the Board of Directors on December 10, 2021
- R\$1,011 mn declared as mandatory dividends

#### Bylaws

Guaranteed - The minimum annual dividend

• R\$ 0.50 for Preferred Shares

#### **Bonus Proposal**

**30%** Capital increase through bonus shares

	Share capital Dez/201	Bonus Shares	Share capital after Bonus Share
Preferred	1,127,325,434	338,197,630	1,465,523,064
Common	566,036,634	169,810,990	735,847,624
Total	1,693,362,068	508,008,620	2,201,370,688



# Cemig D - Combating default



2021 was a year with exceptional results in combating default, even with the challenges imposed by the macroeconomic environment

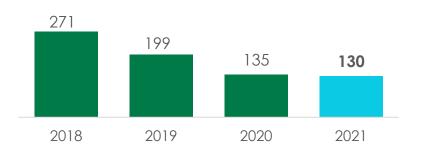
Effective contingency program:

- ✓ Daily monitoring of billing collection and default indicators
- ✓ Intensification (+30% vs 2020) and improvement of collection instruments
- ✓ 1.4 mn disconnections in 2021, with 1.7 mn more expected for 2022
- ✓ Increased negotiation channels (innovating by offering installment payment via WhatsApp)
- ✓ Diversification of means of payment and expansion of collection level focusing on digital: inclusion of PIX in May (already collected R\$180 mn with ~1 mn invoices) and leverage of negotiations via credit and debit cards
- ✓ Significant reduction in MG debts
  - ✓ Amortization of installments with tax credits ICMS; R\$94.5 mn (9 installments of R\$10.5 mn) already offset





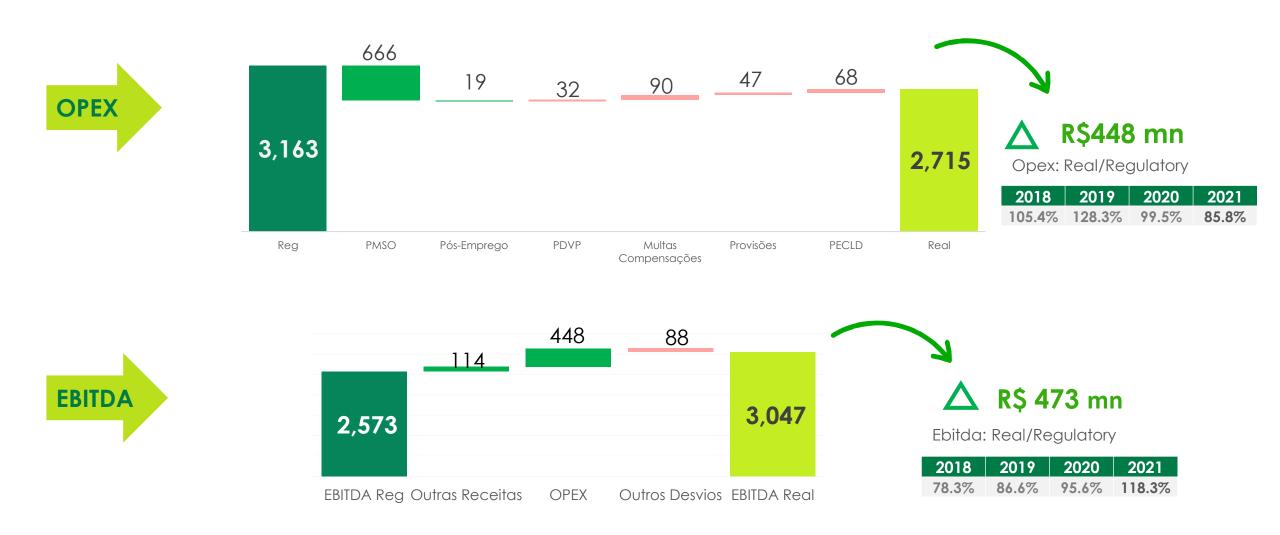
### PECLD (R\$ mn) Energy Supply and Use of Network



## Regulatory opex and Ebitda – 2021



Commitment to operational efficiency-maintained indicators within regulatory parameters

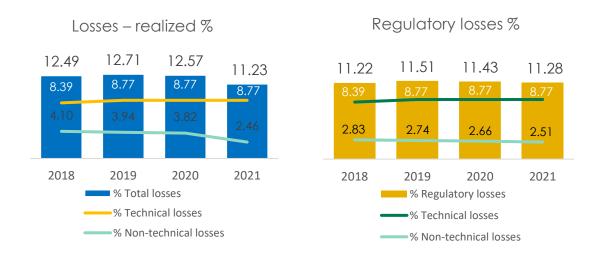


# Cemig D – Energy losses



# Positive results achieved in combating losses Total Losses





2021 was a year of achievement for Cemig D, especially in combating losses

- ✓ Total loss rate within the parameters established by Aneel
- ✓ Estimated savings of R\$160 mm (~600 GWh)

#### Energy recovery plan focusing on

- ✓ Approximately 60% of billed volume is protected
- ✓ Replacement of nearly 50 thousand obsolete meters, with
  the installation of over 15 thousand smart meters
- ✓ 384 thousand inspections, with a record of detected irregularities, resulting from a higher success rate
- ✓ Removal of 3.7 thousand irregular connections
- ✓ Four (4) SEs were energized, 74 feeders received new configurations and 156 capacitor banks were installed, allowing from a reduction in Technical Losses

#### Our challenges continues in 2022

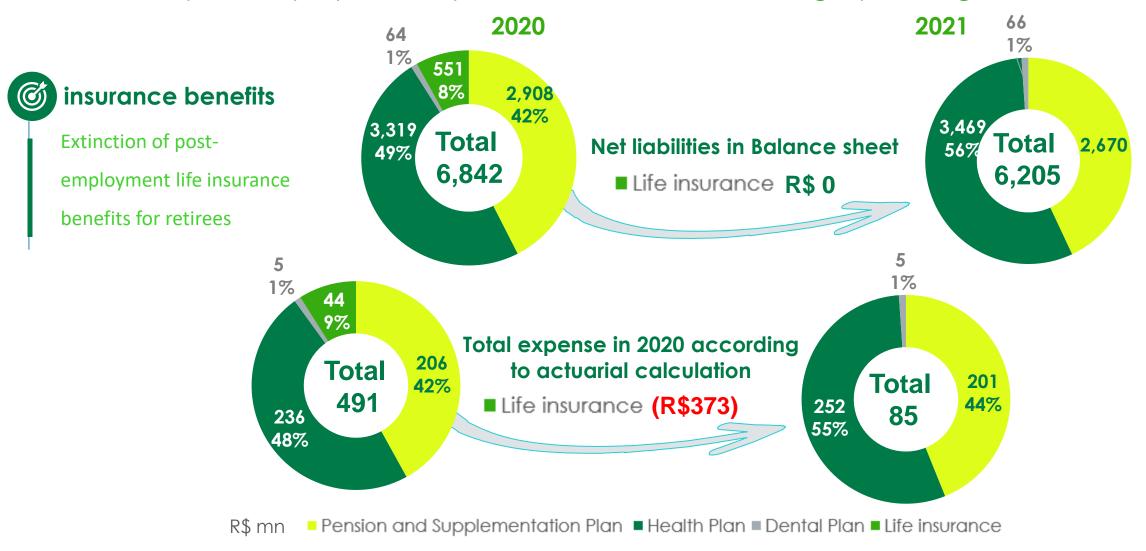
✓ Inspection, regularization and modernization of 1.4 million consumer units (with the installation of 350 thousand smart meters)



### **Post-retirement**



Reduction in post-employment expenses in line with our strategic planning



Studies for adaptation of the pension and health plans, to reduce actuarial risk and obligations.

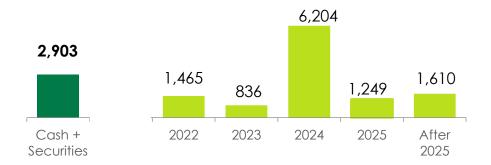
## Debt profile – consolidated

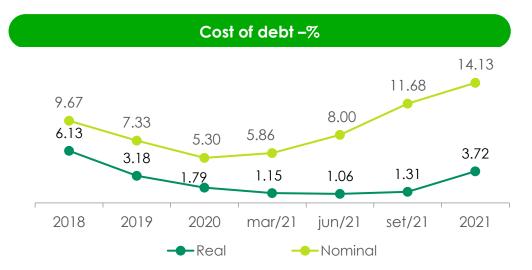


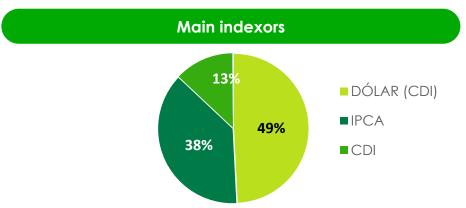
Bond buyback reduced our exposure to foreign currency and concentrated our debt maturity to 2024

#### Maturities timetable –Average tenor: 3.3 years

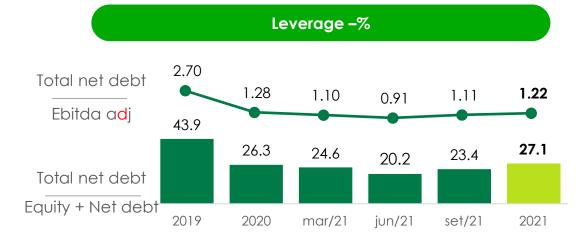
Net debt (= Debt -{Cash + securities}): **R\$8.4 Bi**Total net debt = {Net debt -Hedge}: **R\$7.2 Bi** 







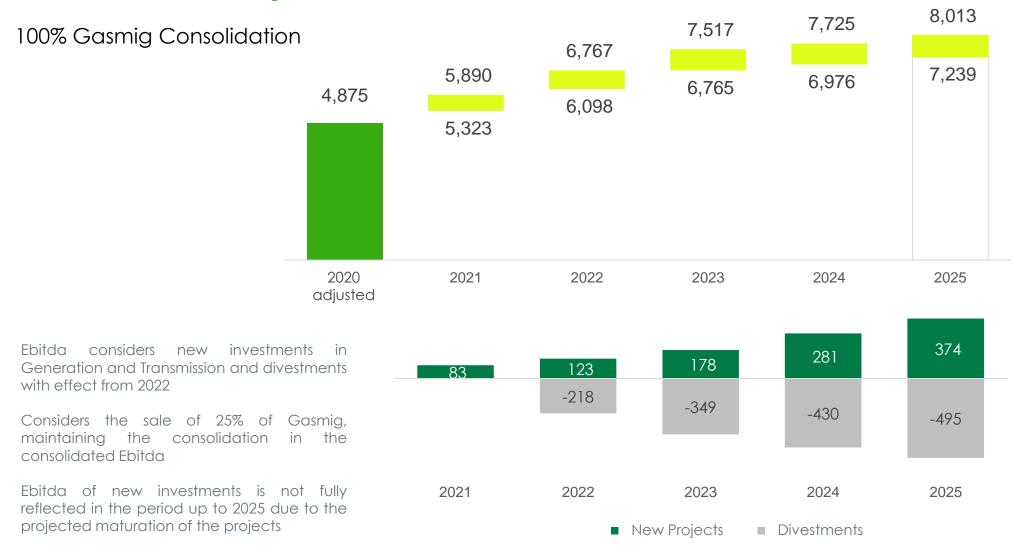
 U.S. dollar-denominated debt is protected by hedge, within a range for exchange rate variation and converted into a percentage of CDI.



### **Ebitda Consolidated**



### Continuous quest for better results, focused on core business



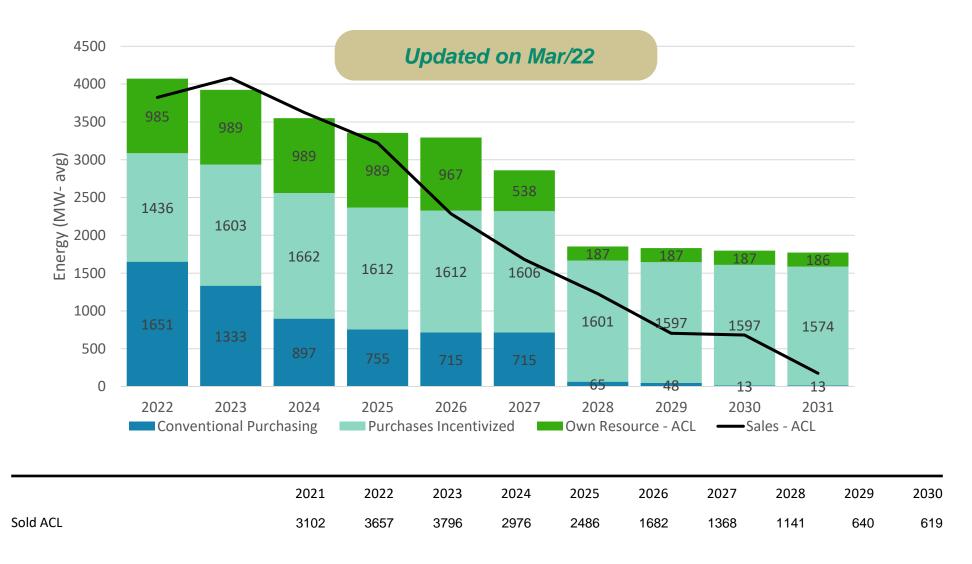
## Cemig group\*: Supply and demand





### **Evolution of resources and sales - ACL**

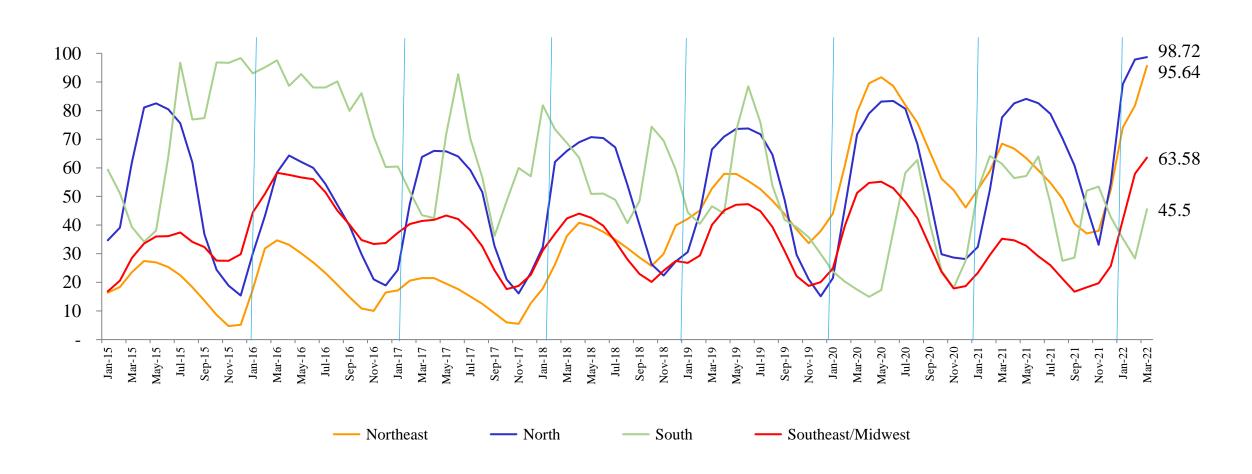




# Level of reservoirs (%)



By region (%)\*

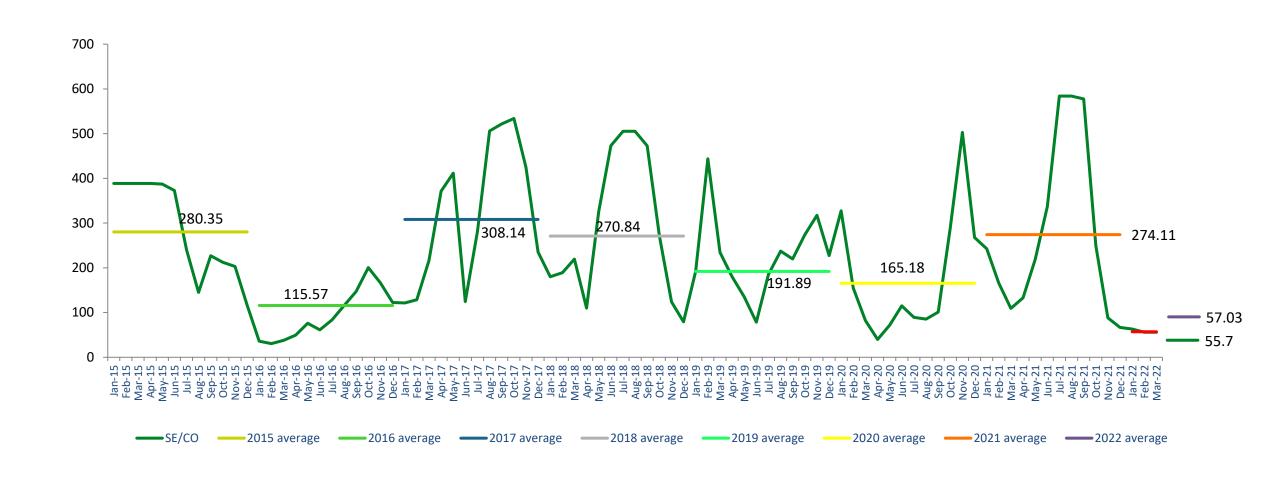


Source: <a href="http://www.ons.org.br">http://www.ons.org.br</a>

# Spot price



Brazil: eletricity spot price – monthly average (R\$/MWh)



# Cemig is aligned with the best ESG practices



## Sustainability increased the Company's results



#### I-REC Renewable Energy Certificate

Permission for customers to prove the origin of their renewable energy, enabling additional commercialization values



#### Energy efficiency program

Investment of over R\$138 million in the last two years



#### Preservation

More than 4,600 hectares of preserved areas and planting of 221 hectares in 2021



#### Social Responsibility

Supporting all 774 municipalities in the concession area in the fight against the pandemic

• The Company sponsored **425** municipalities, and most have already received at least two of these items: cold chambers, refrigerators, freezers, thermal boxes, caps, disposable face masks, among other materials

#### Participation in Sustainability Indexes











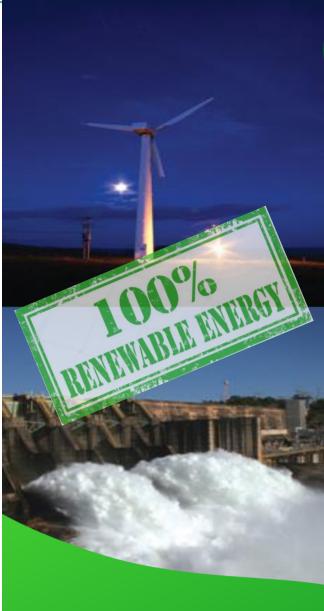














## Capital allocation



Transmission Distribution

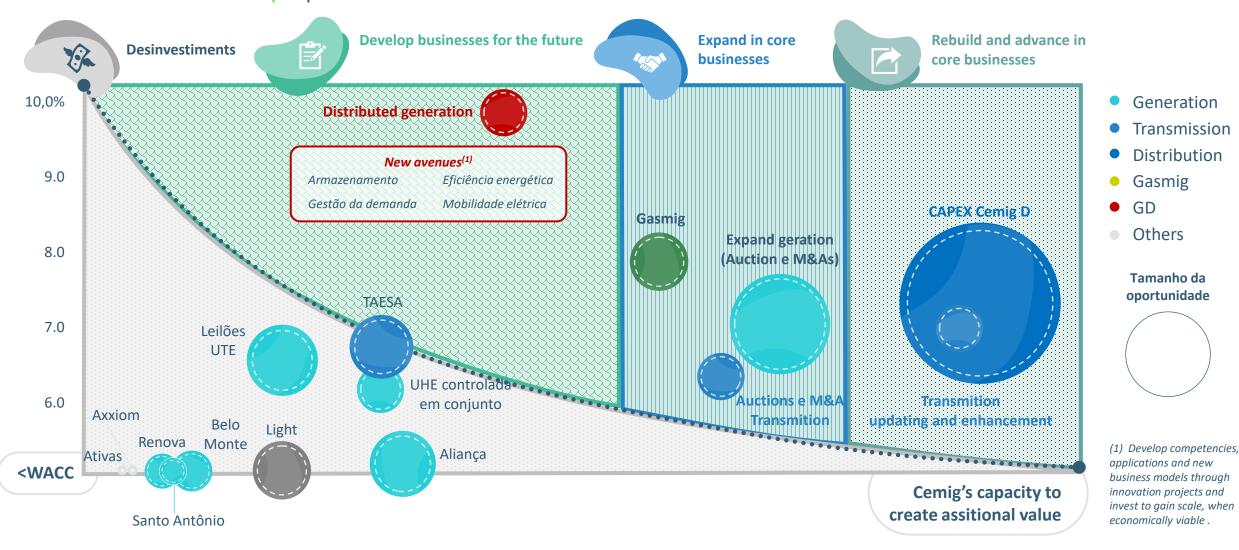
Gasmig

Others

Tamanho da

GD

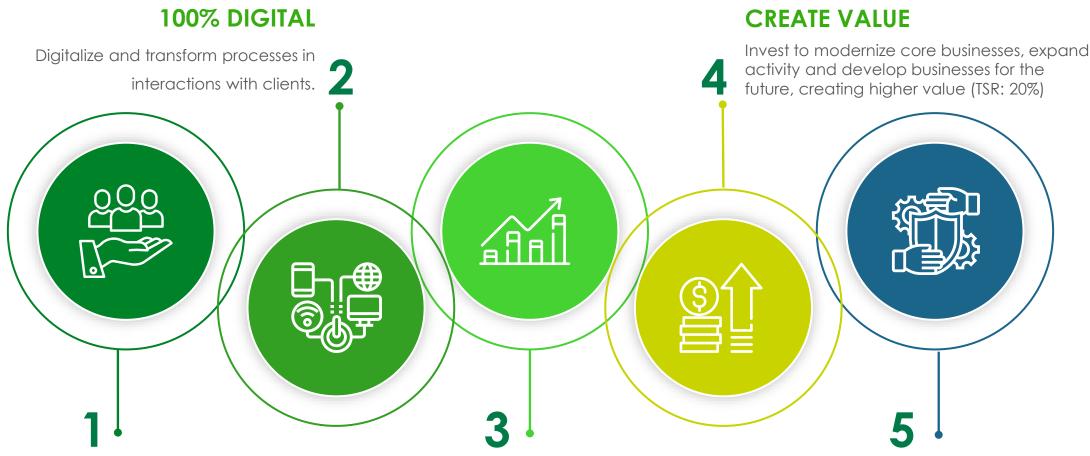
#### Market attractiveness | Expected ROIC or TIR



# Cemig's Plan



The 2025 Cemig's Plan aims to accelerate the Company's transformation



#### **ENCHANT THE CLIENT**

Transform the client's experience to achieve top position in client satisfaction (NPS: top 3; IASC: score 80)

#### **MAXIMIZE EFFICIENCY**

Increase profit of current businesses, with Ebitda impact of R\$ 600mn and risks reduction.

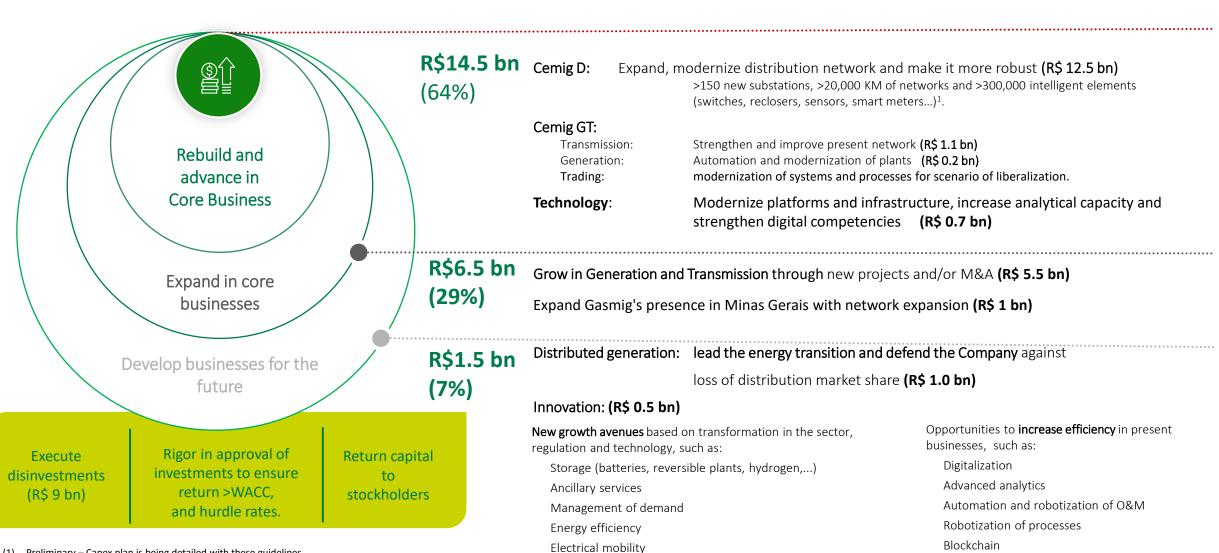
# AGILE MANAGEMENT, WITH SECURITY

Implement modern, private-sector, sustainable management principles, and culture of results.

### Investments



Cemig will invest ~R\$ 22.5 bn in next 5 years to strengthen and expand present businesses and explore new opportunities



### **Covenant Ebitda reconciliation**



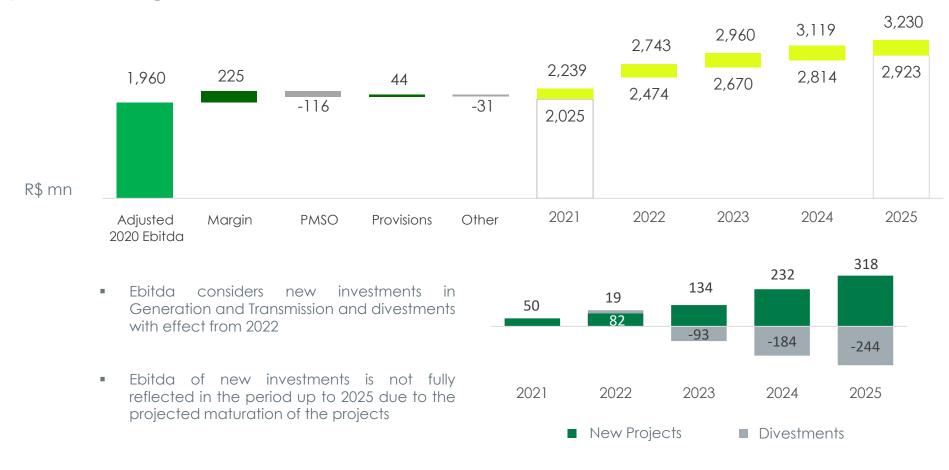
	2021		2020	
Last 12 months - R\$ mn	GT	Н	GT	Н
net income (loss); plus	969	3.850	1.056	2.865
financial results net; plus	2.161	2.253	894	905
income tax and social contribution; plus	250	945	424	936
depreciation and amortization; minus	259	1.049	212	989
minority interest result; minus	209	-279	137	-357
provisions for the variation in value of put option obligations; minus	100	100	53	53
non-operating result (which includes any gains on asset sales and any asset write-off or impairments); plus	-12	-12	-28	81
any non-cash expenses and non-cash charges, to the extent that they are nonrecurring, minus	-65	-435	-14	24
any non-cash credits and gains increasing net income, to the extent that they are non-recurring; minus	-1.247	-1.251	-622	-674
non-cash revenues related to transmission and generation indemnification; plus	-631	-650	-412	-412
cash dividends received from minority investments (as measured in the statement of cash flows); minus	159	499	154	387
monetary updating of concession grant fees; plus	-523	-523	-347	-347
cash inflows related to concession grant fees; plus	280	280	266	266
cash inflows related to transmission revenue for cost of capital coverage; plus	595	612	606	606
Covenant EBITDA	2.504	6.438	2.379	5.322

Last 12 months - R\$ mn		3Q21		2Q21	
		Н	GT	Н	
consolidated Indebtedness; plus	6.029	11.364	8.886	15.021	
Derivative financial instruments		-1.219	-2.949	-2.949	
debt contracts with Forluz; plus		923	229	1.013	
(a) the carrying liability of any put option obligation, less	636	636	572	572	
consolidated cash and cash equivalents and consolidated marketable securities recorded as current assets.	-1.261	-2.903	-1.771	-5.805	
Covenant Net Debt	4.394	8.801	4.967	7.852	
Covenant Net Debt to Covenant EBITDA Ratio	1,75	1,37	2,09	1,48	
Limit Covenant Net Debt to Covenant EBITDA Ratio	2,50	3,00	3,00	3,00	
Total Secured Debt	-	88,0	-	95,0	
Total Secured Debt to Covenant EBITDA Ratio	-	0,01	-	0,02	
Limit Covenant Net Debt to Covenant EBITDA Ratio	-	1,75	-	1,75	

# Cemig GT: Ebitda



### Improve margin in the three businesses: Generation, Transmission and Trading

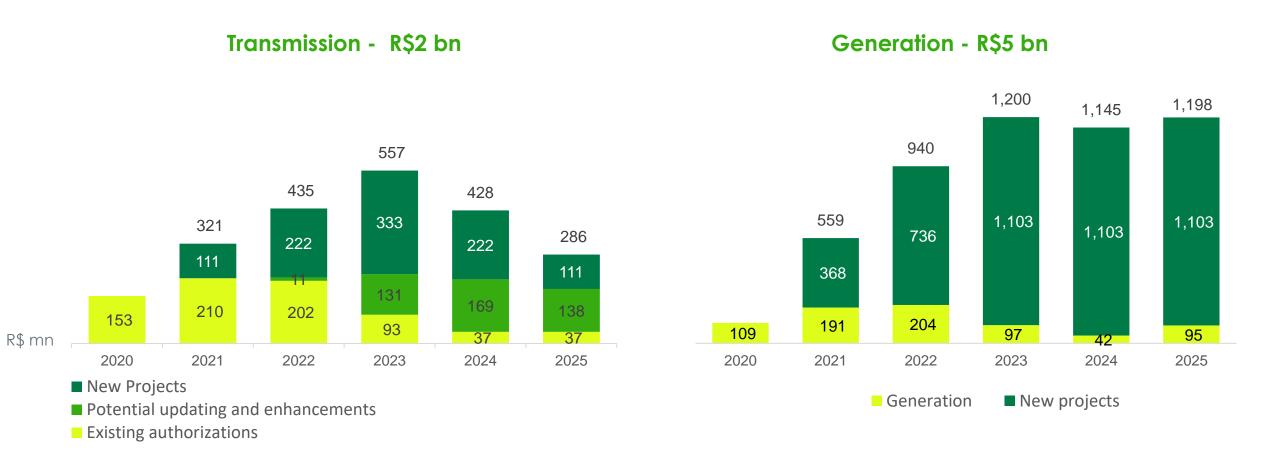


- Margin (2021): Monetary updating of the concession grant fee (Lot D); improvement of short-term results and updating of transmission assets; (2022): increase trading margin
- PMSO (2021): Studies for expansion; recuperation of wind farms; dam safety; turnaround of IT.

# Capex - Cemig GT (Consolidated)



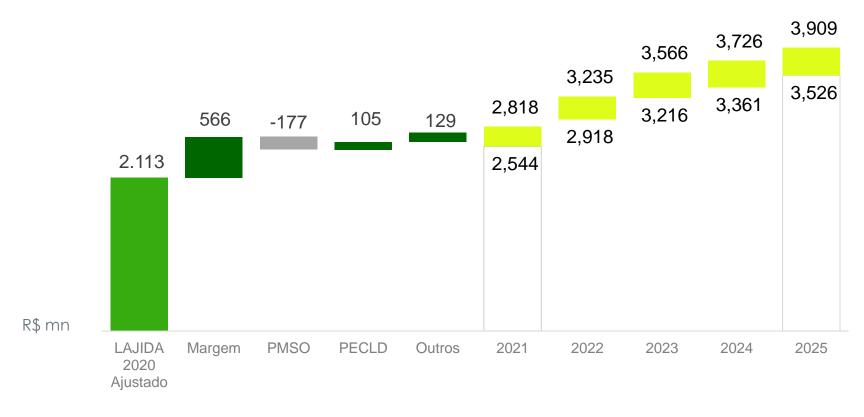
### Investment of R\$ 7 bn in transmission and generation in 2021–25



# Cemig D: Ebitda



### Consistent growth of Ebitda

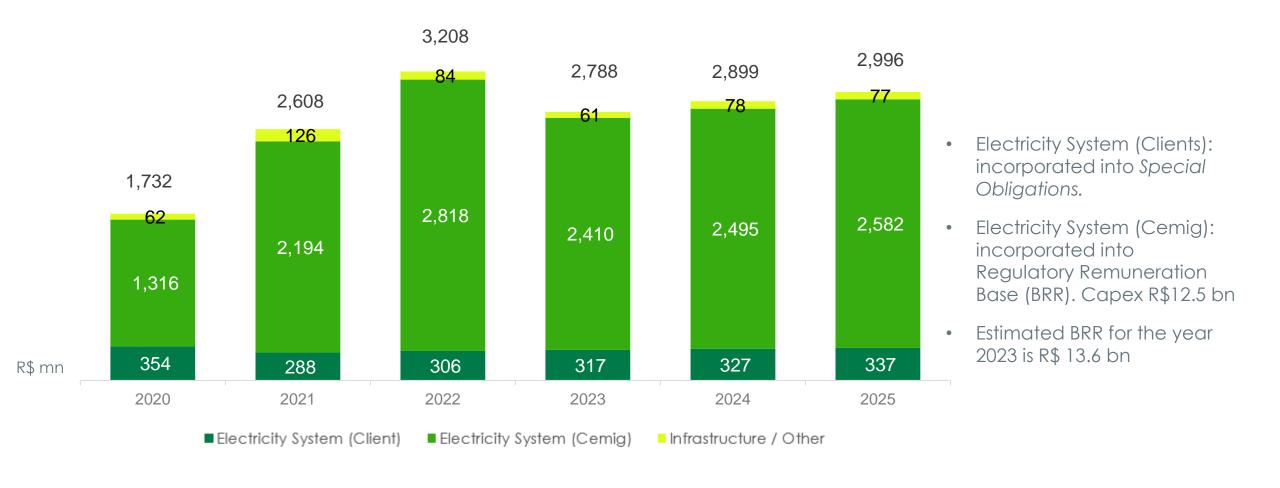


- Inflation adjustment of VPB++ by IPCA index; Xt factor; adjustment of power losses; increase in market.
- PMSO (2021): Increase number of disconnections; IT turnaround; investigate and quantify sharing of infrastructure / public lighting.
- Other (2021): Reduce provisions; reduce net loss on deactivation and/or sale of assets.

# Capex - Cemig D



### New investment program – R\$12.5 bn (2021-2025)



# Strong shareholders base assures liquidity





Average daily trading volume in Jan/22

**B3**: R\$94.3 million

NYSE: US\$16.4 million (R\$90.7 mm)



- Shares traded on 3 stock exchanges
- Over 194.000 stockholders in 39 countries

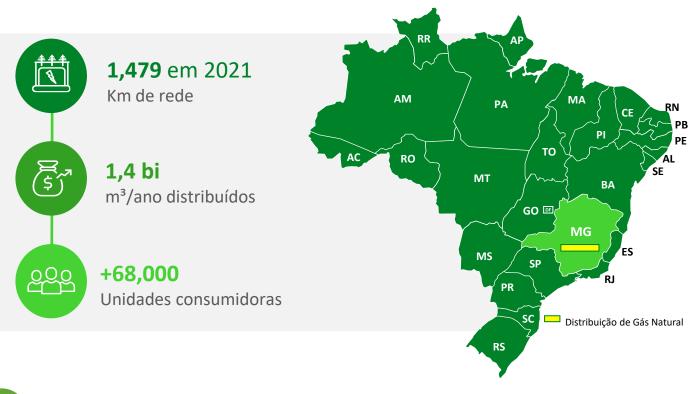


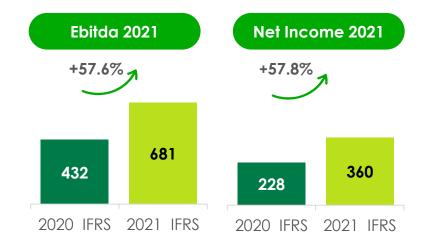






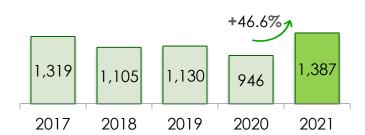
#### Focus on expanding Gasmig's presence in Minas Gerais through network expansion



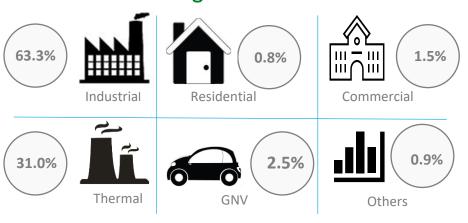


#### **Growth of 19.5%**

in volume of gas sold to the industrial category and 205.3% to thermal plants Volume of natural gas sold (in millions of m³)



#### Business Segments - Volume m<sup>3</sup>



# Strategy summary – Gasmig





Ø

Strengthen the presence of Gasmig in Minas Gerais, with investment of R\$ 1 billion by 2025, with greater management and governance transparency, acting to increase commercial efficiency and expansion of the network – increasing Ebitda by ~R\$ 318 million in 2025





Prepare Gasmig for IPO, with a view to greater efficiency, efficacy and transparency of management.



**existing network** expanding the client base of the urban segment

Increase saturation of the



**Expand the HDPE and steel network,** reaching selected major urban centers, investing in service to large industrial clients



Expansion in the Free Market through trading in gas



Actively monitor **new regulatory frameworks** in close cooperation with the regulator



# Geração Distribuída



### Subscription Energy – how does it work?



#### #01

Our solar farms are installed in places where there is abundant strong sun at various locations in Minas Gerais State.





#### #02

On each farm, hundreds of photovoltaic panels capture sunlight and transform it into electricity



#### #03

You contract an allocation from our solar farms and the energy reaches your company, home or condominium, wherever it is, through the electricity distributors



#### #04

That's it! Your discount is deducted on your electricity bill. If the power that is contracted is not used, it is carried over to the next month





# Strategy summary – Distributed generation







To reach a strong position in Distributed Generation, with focus on Minas Gerais State: investing R\$ 1 billion by 2025, in Distributed Generation projects from verticalized solar farms (equivalent to 275 MWp), with IRR equivalent to the market average – ensuring a significant market share (~30%) in solar farms in Minas Gerais, with annual Ebitda of R\$ 170 million.



#### WHERE TO PLAY

**Focus on Minas Gerais** 

Operate exclusively in solar farms

(verticalized operator)

Other products and services – less priority

Evolve competencies to operate in a majority stockholder structure model

Develop solar farm projects in DG,

organically or through acquisition of assets, leveraging Cemig's internal capacities HOW to WIN?

Establish a digitalized model for trading and optimized client service, seeking to operate with the minimum viable

structure

Intervene to make DG entry model sustainable in the long term (i.e. with benefits appropriately included in the tariff model).







#### R\$ 782 million

RAP,\* 2021-22 cycle

R\$ 233 million of RBSE

3.2 **GW** 

Installed capacity

#### 53 power plants

50 hydroelectric plants 2 wind plants

1 photovoltaic plant

### 5,005 km

Transmission lines (km)



#### Growth strategy:

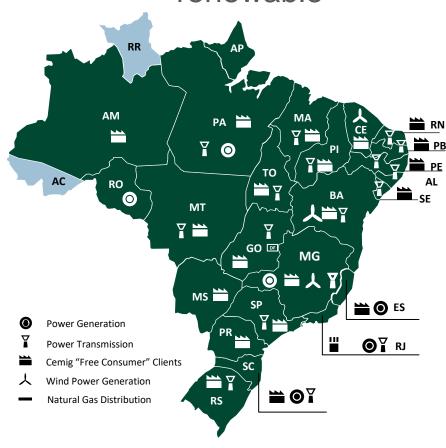
- Mainly through updating and improvements
- Renewal of concessions
- Integration with Trading
- Development of projects focused on renewables

#### Net revenue



### Renewables:

100% of our generation is renewable







#### 20 million

Population served: **10%** of Brazil

#### \*RAB R\$8.9 bn

R\$13 bn - Expected net

#### 8.8 million

Clients in **774** municipalities

### ~546,000 km

Distribution network

#### Concession

**25 years** remaining

### R\$ 12.5 bn

Total investment in 2021-2025

# Brazil's biggest distribution concession

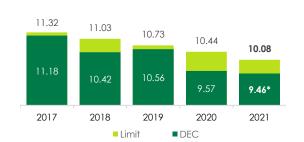


#### **Turnaround strategy**

- Exceed regulatory Ebitda
- · Leading position in client satisfaction
- Robust investment and digitalization program



2021 DEC Outage Index Is Best Ever

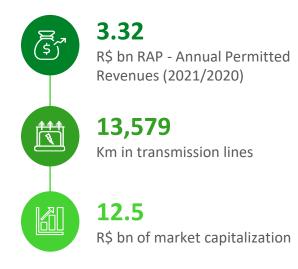


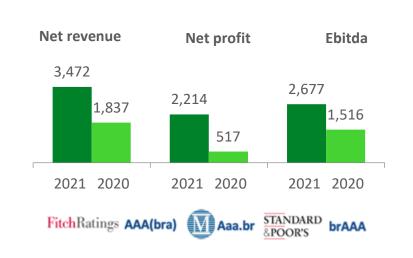
\* RAB= Regulatory Asset Base.

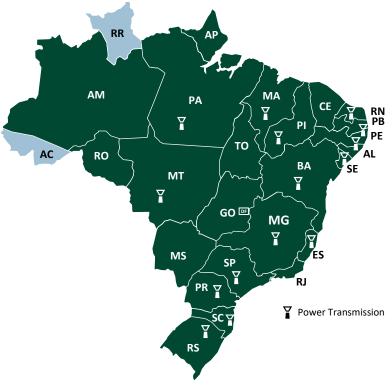






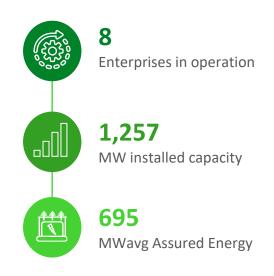


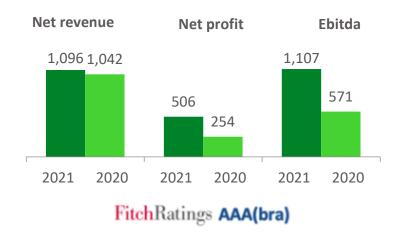


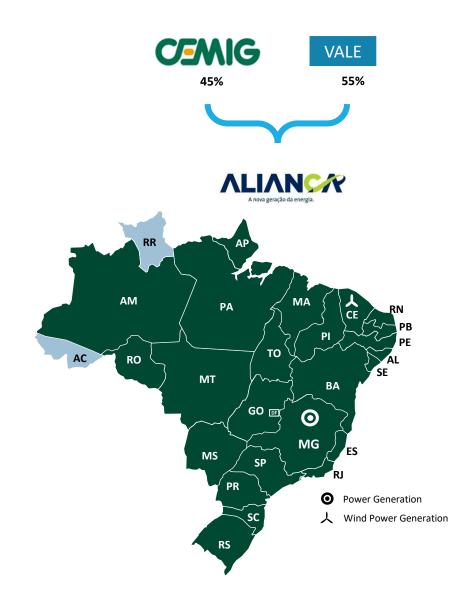






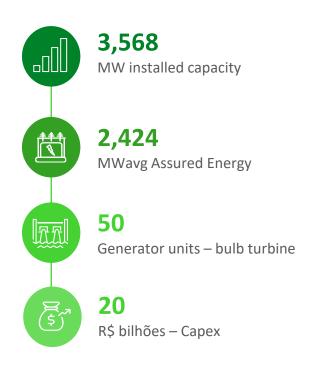


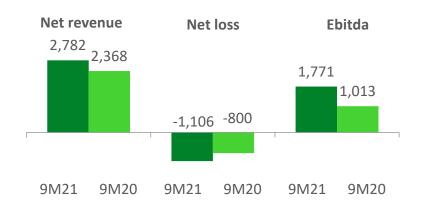


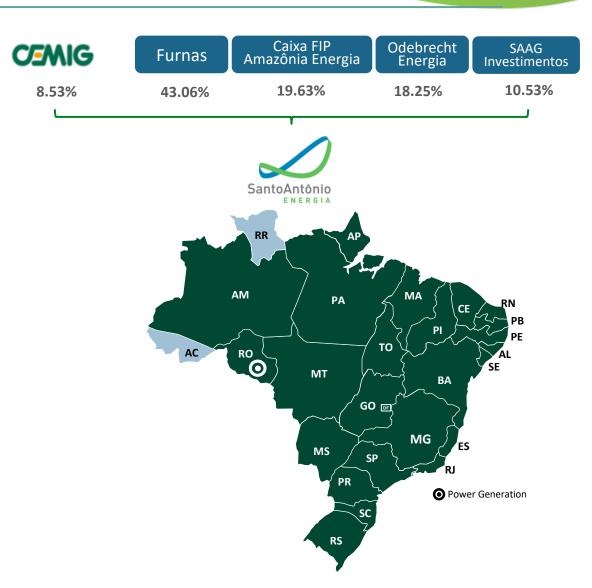






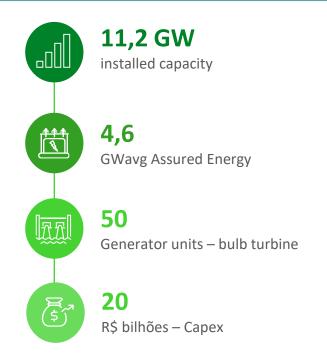


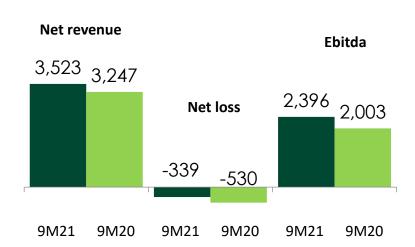
















### **Investor Relations**

Telephone +55 31 3506-5024 ri@cemig.com.br http:/ri.cemig.com.br