# A successful

# case of Turnaround,

# Efficiency and Growth







IBRX100 B3 IEE B3 ISE B3 ICO2 B3

## 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.

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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.

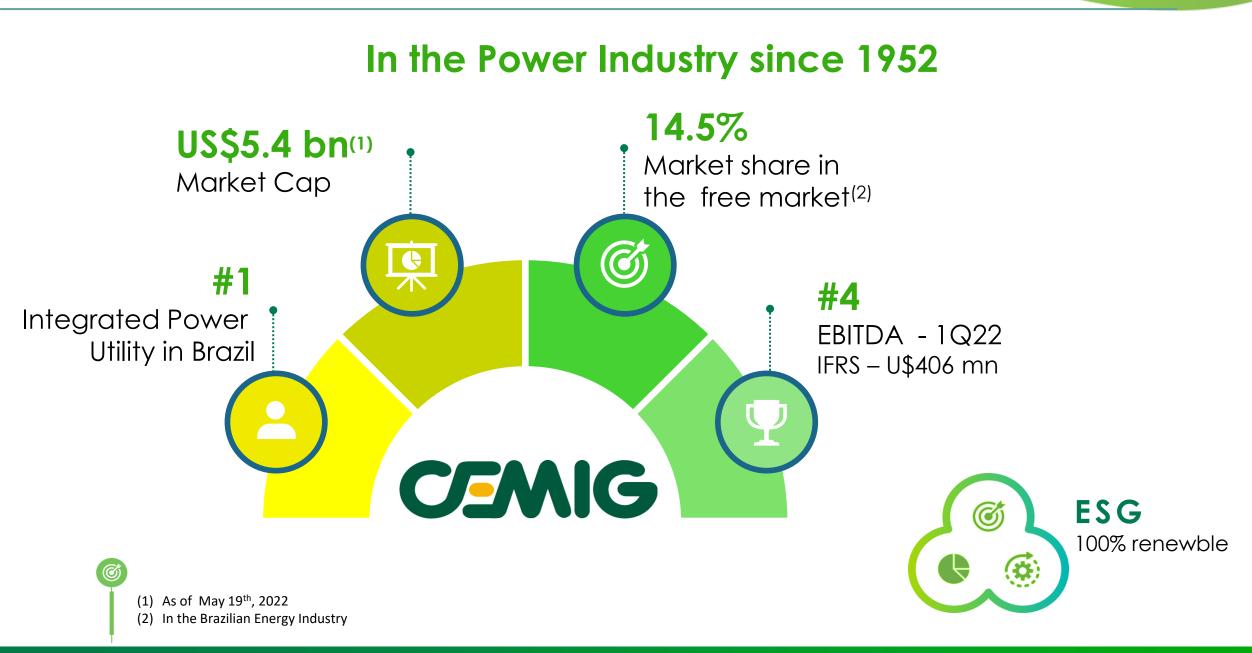
The information and opinions contained herein should not be understood as a recommendation to potential investors and no investment decision should be based on the truthfulness, or completeness as of the date hereof of this information or these opinions. None of Cemig's professionals nor any of their 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**



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CEMIG ANOS

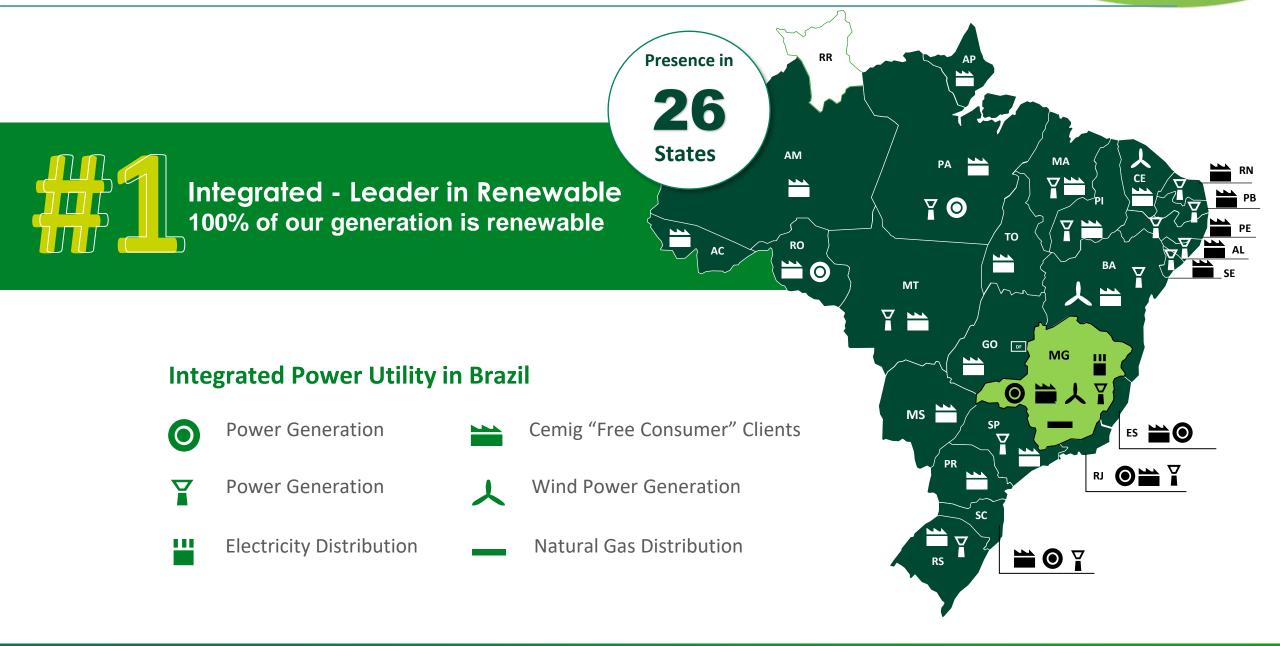
## **Cemig: in Numbers**

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### **Integrated Power Utility in Brazil**



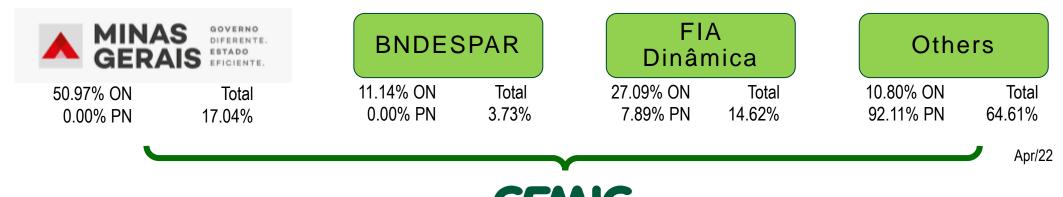
# **Cemig is Uniquely Positioned**



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Shareholder structure - Based in State of Minas Gerais

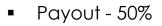




#### Among the most liquid stocks in Brazil's electricity sector

- Listed on New York, São Paulo and Madrid
- More than 194,000 shareholders in more than 39 countries
- Average daily trading volume until May 2022
  R\$127.1mn in B3 and US\$17.2mn (R\$88.7 mm) in NYSE

#### Solid dividend policy





#### Best-in-Class Corporate Governance

 Minas Gerais, controlling shareholder – a positive influence

7

- Board of Directors eleven members
  - Nine members have the characteristics of an Independent Board Member, by the criteria adopted by the Dow Jones Sustainability Indexes (DJSI) /

## **Cash generation**



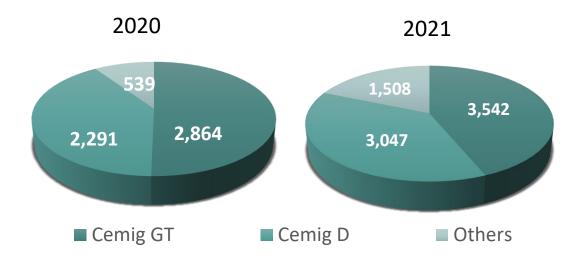


#### Diversified

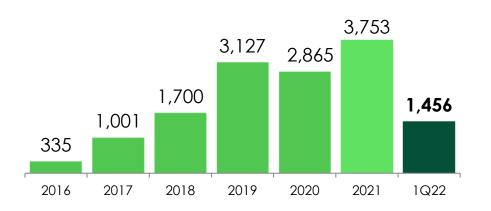
Low Risk Business Portfolio Most of the revenues are inflation protected

Breakdown of Ebitda (IFRS)

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Net Income – R\$MN



## Solid dividend policy



### 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

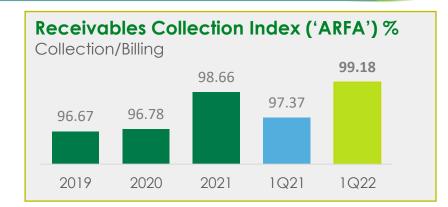


## Cemig D - Combating default

Positive results in 1Q22, highlight in relation to ARFA even in the context of the population's income drop

Implemented actions have proven to be effective:

- Daily monitoring of collection and delinquency indicators
- Continuous intensification and improvement of collection instruments, 10mm collection actions in 1Q22 (+60%), with emphasis on e-mail, SMS and denials
- 395 thousand disconnections made until March 2022, volume 20% higher than the previous year. Forecast of 1.9mm suspensions for the year
- Improvement of the collection level (1.81% in the period), with emphasis on digital means of payment, which has been growing steadily
- Minas Gerais State ICMS tax credits: R\$ 31.5 mn offset this year (3 installments of R\$ 10.5mn).

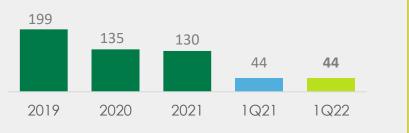


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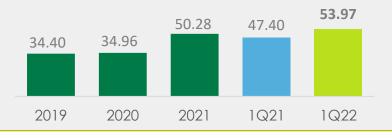
### Default provision | PECLD (R\$ million)

Power Supply and Grid Usage



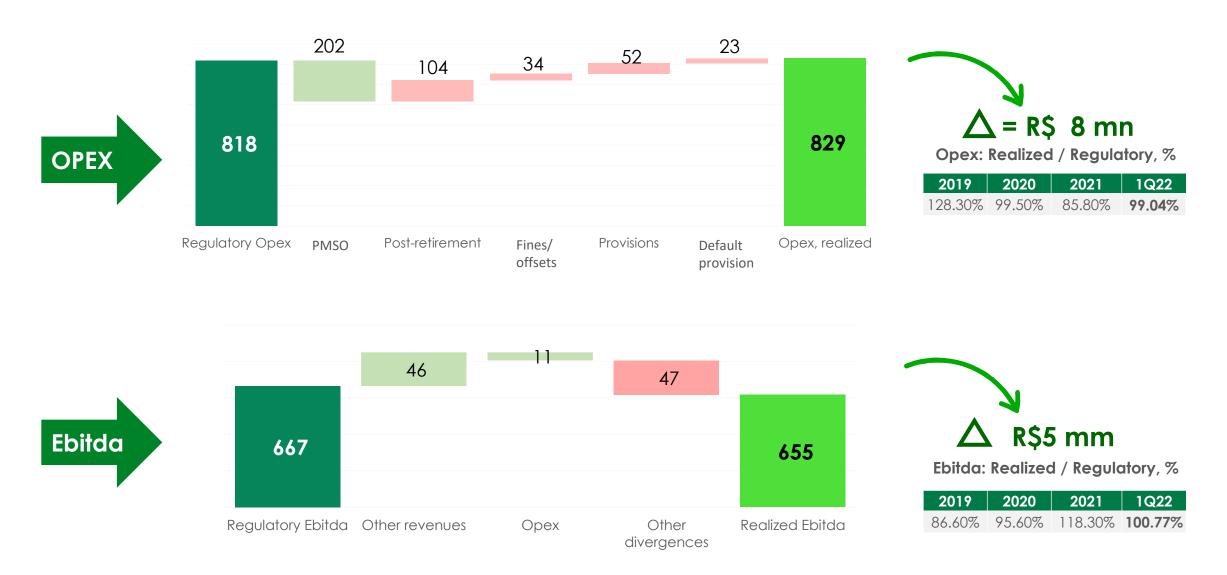
#### Collection | Digital Channels (%)

PIX, card, application, automatic debit, ATM, others



### **REGULATORY OPEX, REGULATORY EBITDA – 1Q22**

Commitment to operational efficiency-maintained indicators within regulatory parameters



## Cemig D – Energy losses

### Positive results achieved in combating losses

Total Losses



Losses – realized % 12.71 12.49 12.57 11.23 8.39 8.77 8.77 8.77 2018 2019 2020 2021 % Total losses % Technical losses % Non-technical losses

#### Regulatory losses %



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

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

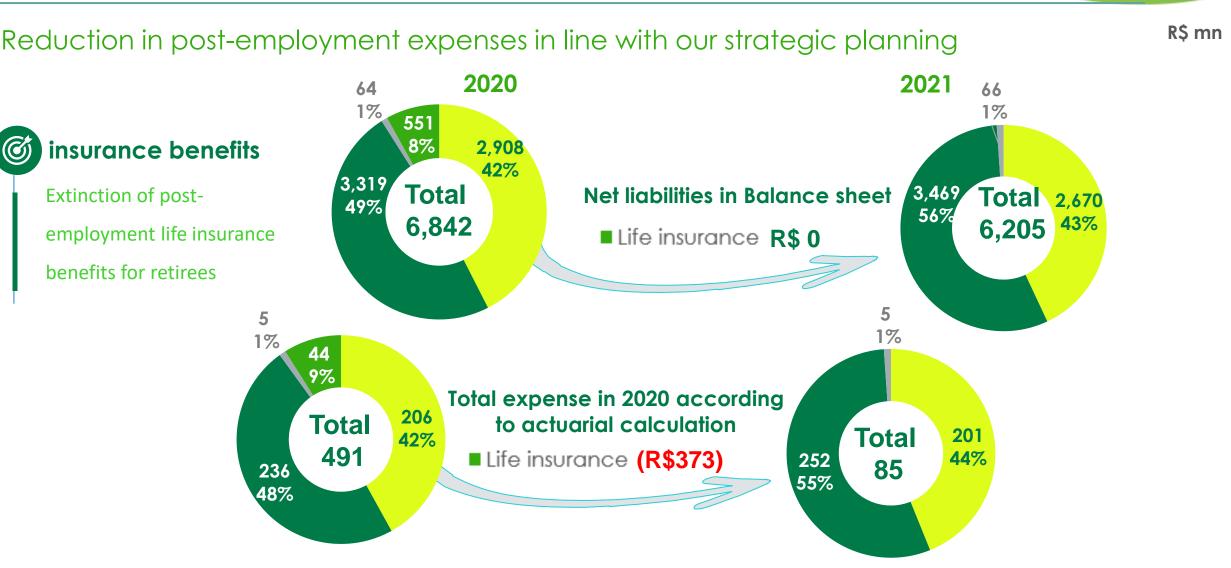
#### Energy recovery plan focusing on

- ✓ 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



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Pension and Supplementation Plan Health Plan Dental Plan Life insurance

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

### Best ratings in Cemig's history

### **Upgrades** of Cemig's ratings reflect

• reduction of leverage and improved operational performance

					In	vestme	ent Gra	de						Specı	lative	grade		
		AAA	AA+	AA	AA-	A+	А	A-	BBB+	BBB	BBB-	BB+	BB	BB-	B+	В	B-	CCC+
<b>Fitch</b> Ratings	2009																	
	2018															Bond		
	2022													Bond				

			Investment Grade										Speculative grade							
CTANDADD		AAA	AA+	AA	AA-	A+	А	A-	BBB+	BBB	BBB-	BB+	BB	BB-	B+	В	B-	CCC		
<b>STANDARD</b>	2009																			
&POOR'S	2018															Bond				
	2022													Bond						

		Investment Grade											Speculative grade							
Moody's		AAA	AA+	AA	AA-	A+	А	A-	BBB+	BBB	BBB-	Bal	Ba2	Ba3	B1	B2	B3	Caal		
	2009																			
	2018																			
	2022																			

## Debt profile - consolidated

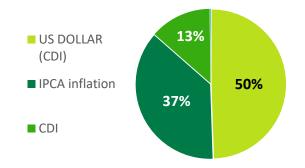
Debt and leverage continue to be low – ensuring sustainability of our operations.

#### Maturities timetable | Average tenor: 3.2 years

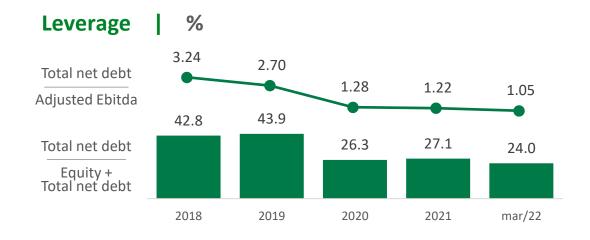


Cost of debt | % 15.01 14.13 9.67 7.33 6.13 5.30 3.18 3.72 3.28 1.79 2018 2019 2020 2021 mar/22 ----Real --- Nominal

#### Main interest rate indexors

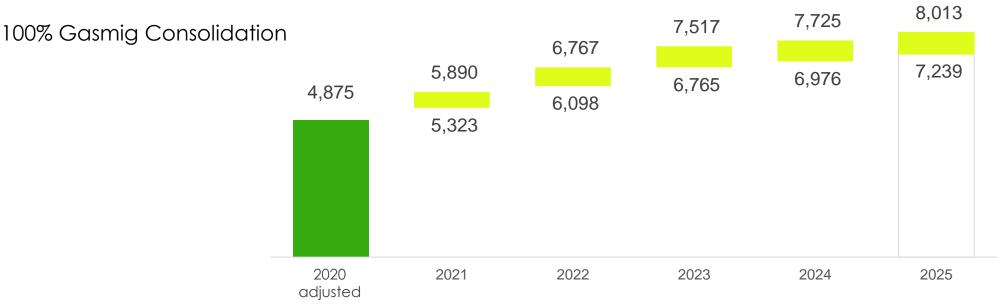


 The debt in USD is protected by a hedge instrument, within an FX variation band – converted to % of Brazilian CDI rate.



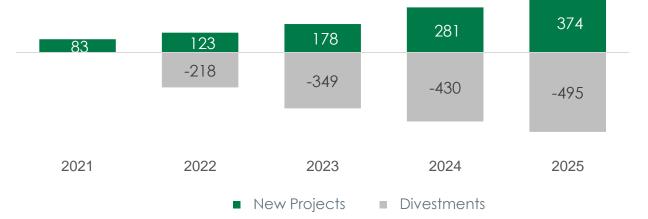
### Ebitda Consolidated

Continuous quest for better results, focused on core business



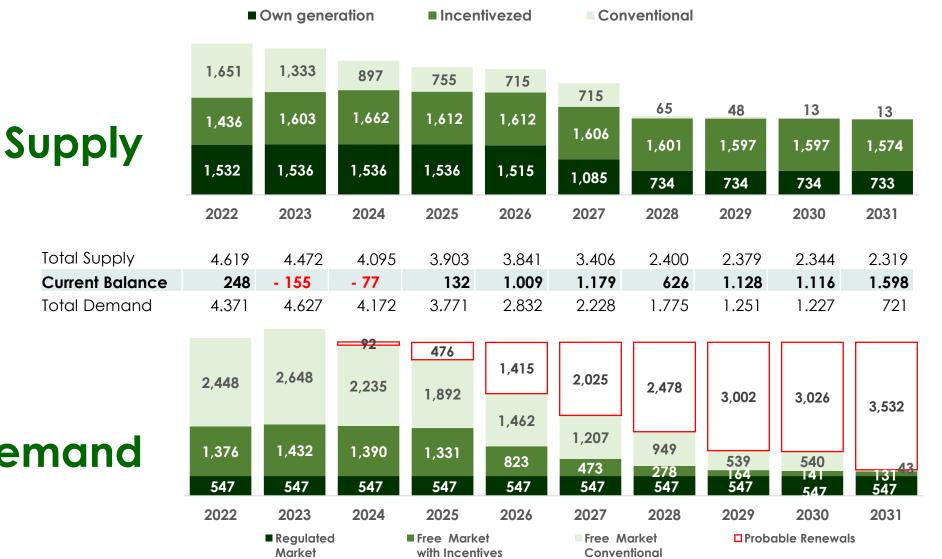
 Ebitda considers new investments in Generation and Transmission and divestments with effect from 2022

- Considers the sale of 25% of Gasmig, maintaining the consolidation in the consolidated Ebitda
- Ebitda of new investments is not fully reflected in the period up to 2025 due to the projected maturation of the projects



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### Cemig group: Supply and demand





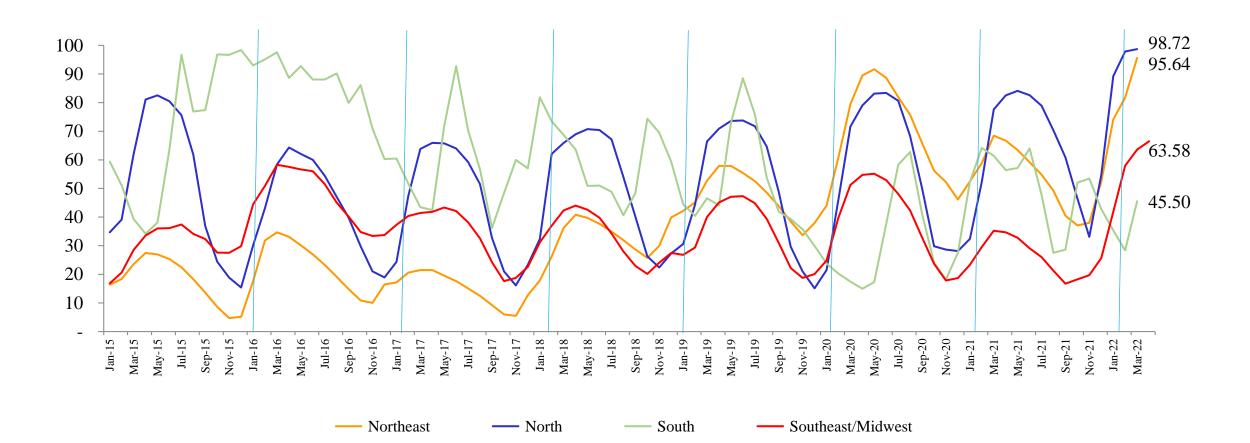
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Demand

Cemig group - Considers the total availability of the Cemig group's generation companies (Cemig GT, Sá Carvalho, Horizontes, Cemig PCH, Rosal, Cemig Geração Três Marias, Cemig Geração Salto Grande, Cemig Geração Itutinga, Cemig Geração Camargos, Cemig Geração Leste, Cemig Geração Oeste, Cemig Geração Sul), plus purchases from outside sources.

## Level of reservoirs (%)

By region (%)\*

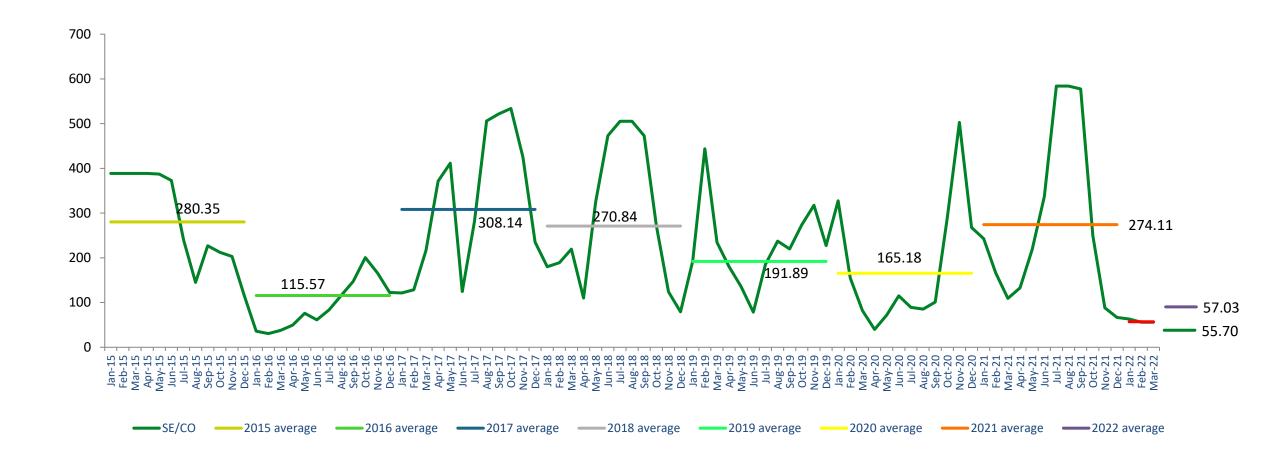


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## Spot price

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





#### **Publication of the Annual Sustainability Report**

Compilation of initiatives that impact Cemig's ESG performance Follows international standards for GRI reports Independently audited by Bureau Veritas Certification

#### Renewable Energy Certificate - RECs

Guarantee that the contracted energy is of renewable source Each certificate is associated with **1MWh** of contracted energy More than **3.1million** RECs sold since 2021



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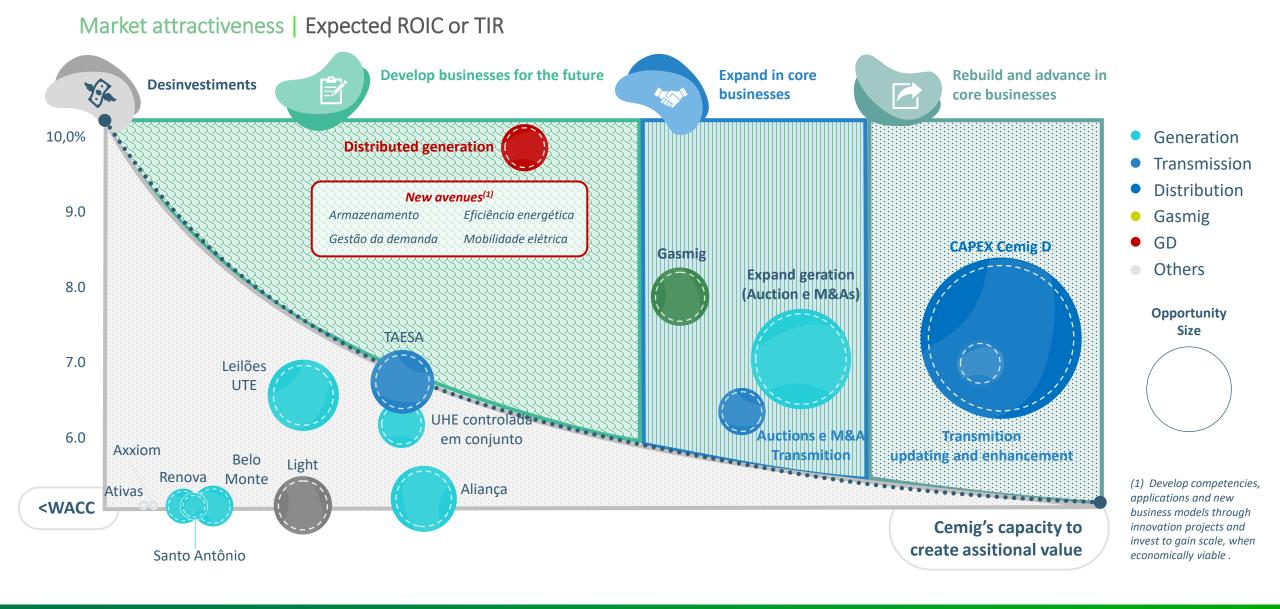


#### Negotiation Campaign 'Recupera Minas'

Campaign aimed to contribute to customers affected by the storms 38,493 negotiations carried out, of which 8,082 with "Low-Income Residential" customers Replacement of 5,000 refrigerators for those affected by the rains, more than 2,000 refrigerators already destined to 105 municipalities affected by the rain



## **Capital allocation**



## **Cemig's Plan**

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

### **100% DIGITAL**

#### **CREATE VALUE**



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

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

# WITH SECURITY

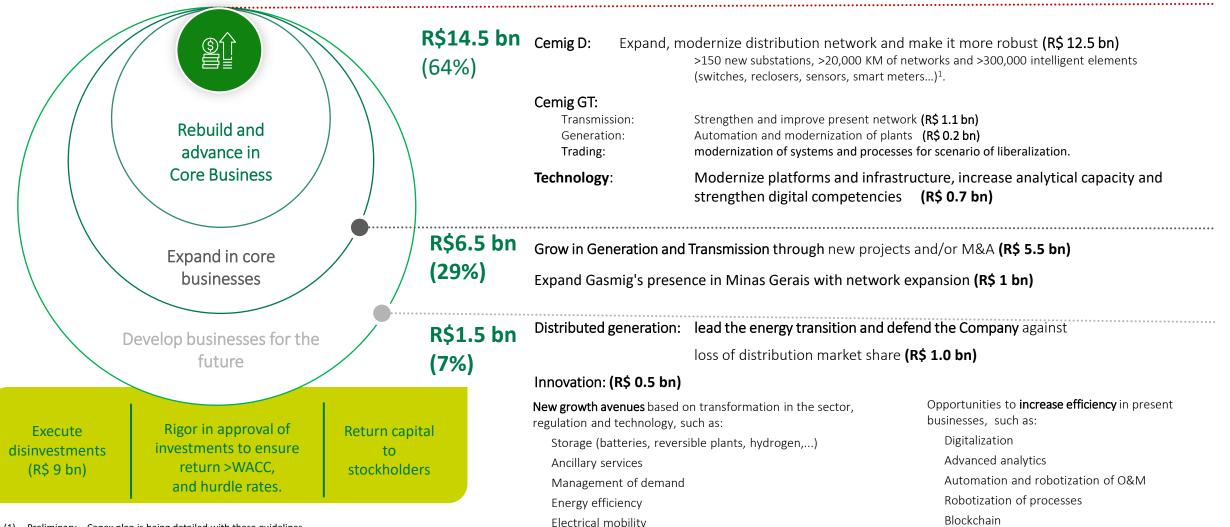
Implement modern, private-sector, sustainable management principles, and culture of results.

### Investments

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

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CEMIG ANOS



(1) Preliminary – Capex plan is being detailed with these guidelines.

Investment of **R\$ 499 mn** in 1Q22

Investment planned for 2022 R\$ 3.973 billion

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#### **Initiatives to minimize these impacts**

- Individual specific competitive bids held, and works redistributed between contractors to minimize impacts.
- Daily management of relations with main suppliers of equipment, seeking solutions to enable delivery of the assets.

## Mais Energia Program - ("more energy")

The Mais Energia program will amplify Cemig's transformation capacity, providing more quality, safety and reliability in the system to meet clients' needs.



#### 200 new substations

- bringing the total to 615 in operation until 2027
- 22 energized by December 2021 and 80 in 2022



Total investment of **R\$ 5 bn** by 2027



8.7 million clients benefited

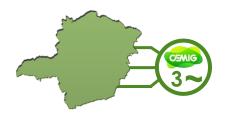
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Click here to see map of Cemig's substations. https://geo.cemig.com.br/programa-mais-energia/

## The Minas Three-phase program

Better **Reliability** and **Quality** in service to clients in the countryside



Conversion of these networks from **single-phase** to **three-phase** Interconnections for operational flexibilities and automation of protection systems

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Transforming subsistence agriculture into agribusiness

• Making more energy available for development of the countryside areas of Minas Gerais



Total investment planned from 2021 through 2027: **R\$ 1.8 bn**:

- 2021-2022 : **R\$ 335 million**
- 2023-2027 : **R\$ 1.45 billion**

### **Covenant Ebitda reconciliation**

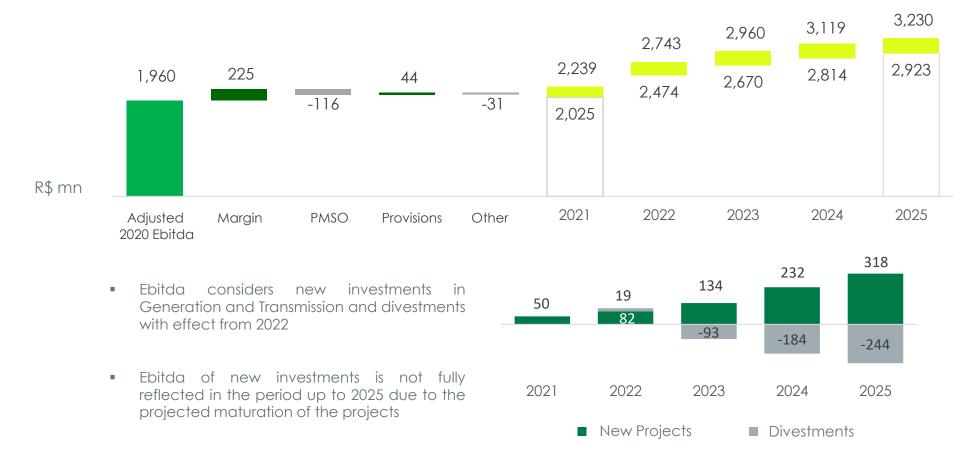
	10	122	20	21
Last 12 months - R\$ mn	GT	н	GT	н
net income (loss)	1.996	4.786	871	3.753
financial results net	667	674	2.161	2.253
income tax and social contribution	784	1.517	250	945
depreciation and amortization	293	1.095	259	1.049
minority interest result	246	-248	306	-182
provisions for the variation in value of put option obligations	141	113	100	100
non-operating result (which includes any gains on asset sales and any asset write-off or impairments)	-12	86	-12	-12
any non-cash expenses and non-cash charges, to the extent that they are nonrecurring	-65	-356	-65	-435
any non-cash credits and gains increasing net income, to the extent that they are non- recurring	-1.241	-1.245	-1.247	-1.251
non-cash revenues related to transmission and generation indemnification	-674	-695	-631	-660
cash dividends received from minority investments (as measured in the statement of cash flows)	159	498	159	499
monetary updating of concession grant fees	-530	-530	-523	-523
cash inflows related to concession grant fees	286	286	280	280
cash inflows related to transmission revenue for cost of capital coverage	559	574	596	613
Covenant EBITDA	2.609	6.555	2.504	6.429

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	10	222	20	21
Last 12 months - R\$ mn	GT	н	GT	н
consolidated Indebtedness	4.882	9.850	6.029	11.364
Derivative financial instruments	-755	-755	-1.219	-1.219
Debt contracts with Forluz	201	890	209	923
The carrying liability of any put option obligation	664	667	636	636
Consolidated cash and cash equivalents and consolidated marketable securities recorded as current assets.	-1.150	-2.576	-1.261	-2.903
Covenant Net Debt	3.842	8.076	4.394	8.801
Covenant Net Debt to Covenant EBITDA Ratio	1,47	1,23	1,75	1,37
Limit Covenant Net Debt to Covenant EBITDA Ratio	2,50	3,00	2,50	3,00
Total Secured Debt	-	80,6	-	88,0
Total Secured Debt to Covenant EBITDA Ratio	-	0,01	-	0,01
Limit Covenant Net Debt to Covenant EBITDA Ratio	-	1,75	-	1,75

## Cemig GT: Ebitda

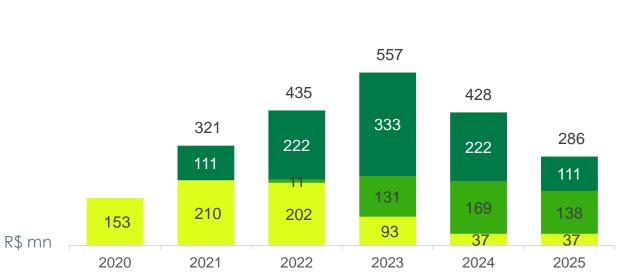
### Improve margin in the three businesses: Generation, Transmission and Trading



- 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.



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



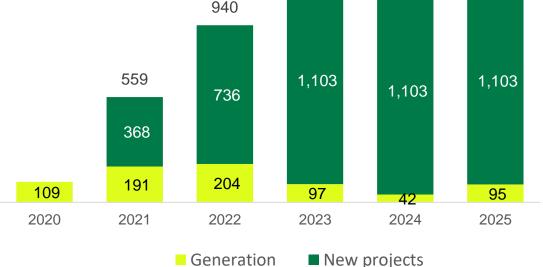
Transmission - R\$2 bn

1,200 1,145 940

Generation - R\$5 bn

30

1,198



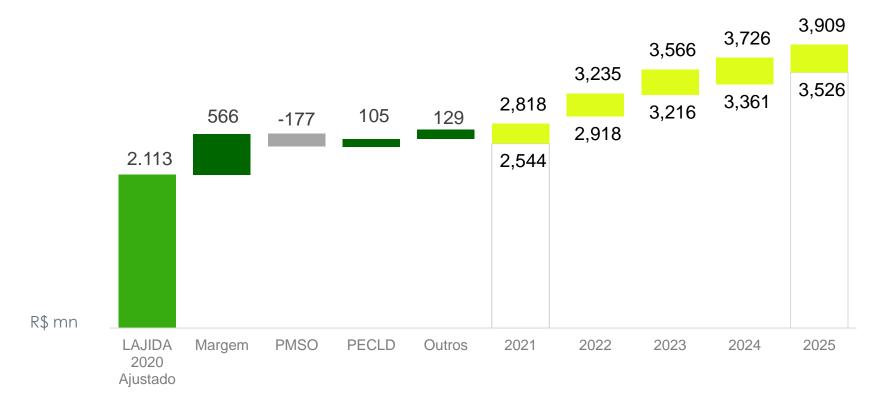
New Projects

Potential updating and enhancements

Existing authorizations



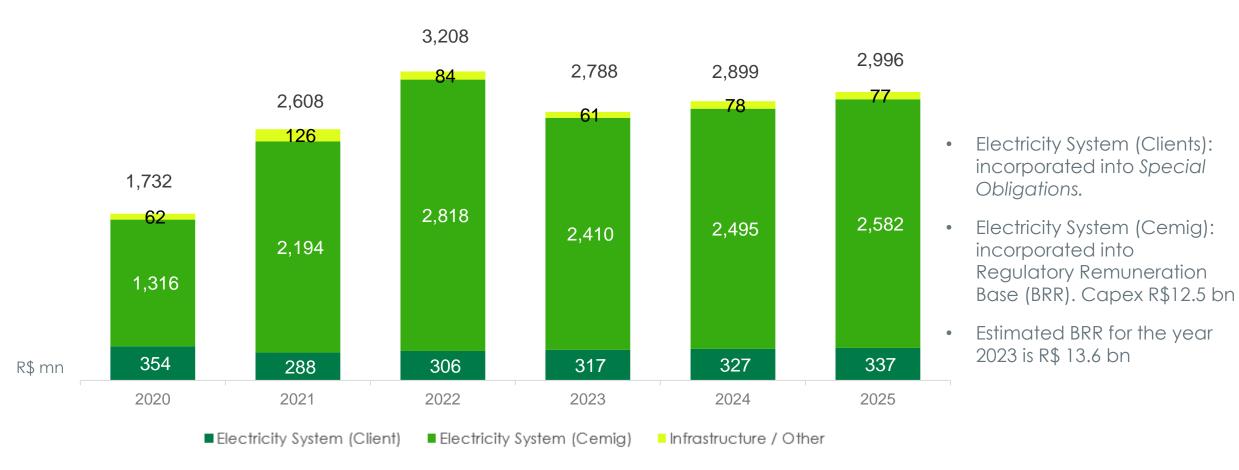
### **Consistent growth of Ebitda**



- 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.

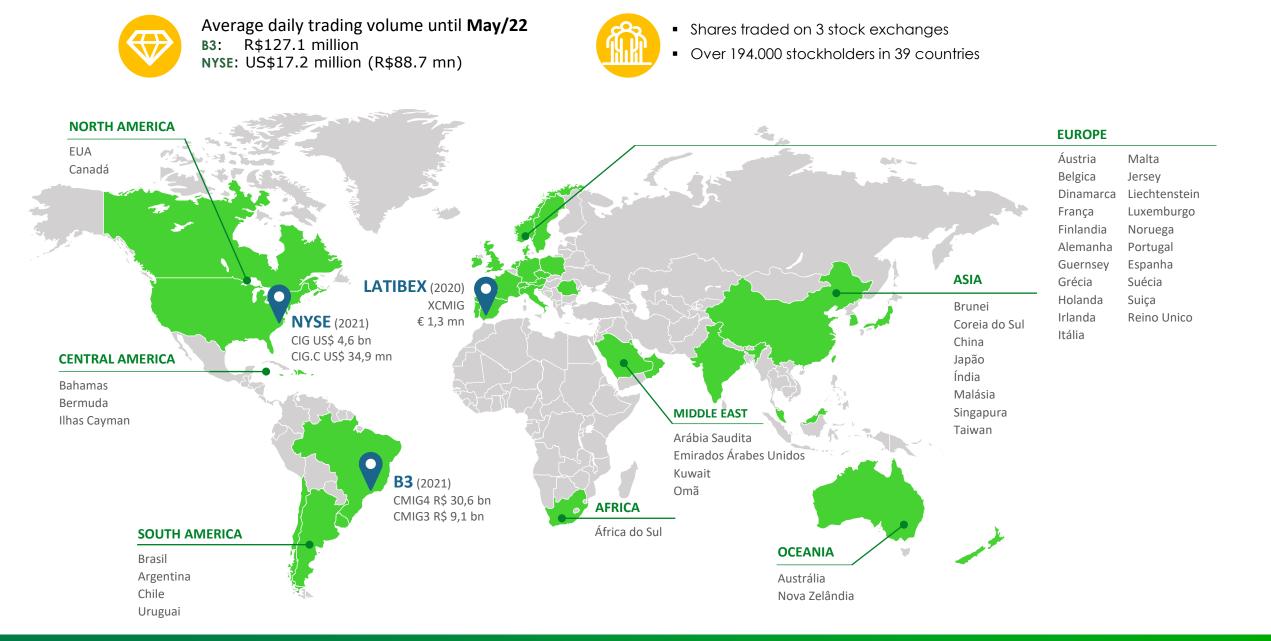
### Capex - Cemig D

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



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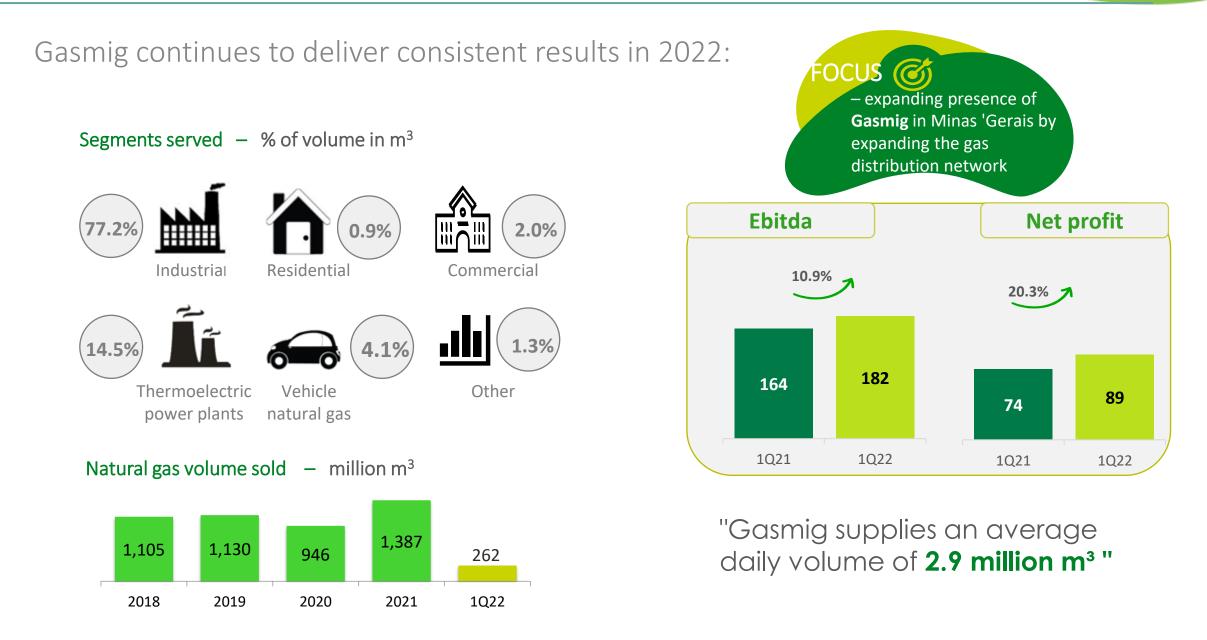
## Strong shareholders base assures liquidity



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# GASMIG



## Strategy summary – Gasmig

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

STRATEGIC GUIDELINES

**AMBITION** 

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

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

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Actively monitor **new** regulatory frameworks

CEMIG AND

in close cooperation with the regulator



## **Distributed Generation**

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



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**#04** 

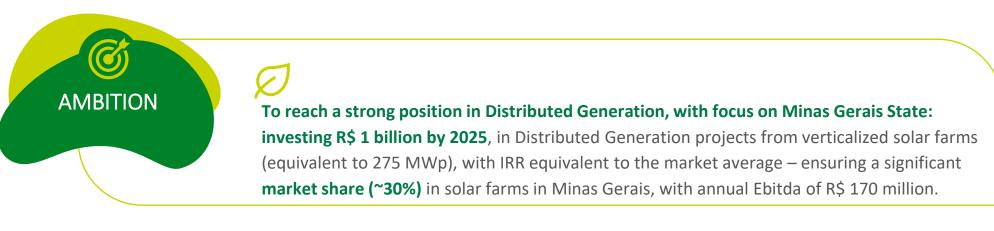
That's it! Your discount is deducted on your electricity bill. If the power that is contracted is not used, it is carried over to the next month







### Strategy summary – Distributed generation



#### WHERE TO PLAY

#### Focus on Minas Gerais

**STRATEGIC** 

**GUIDELINES** 

### **Operate exclusively in solar farms** (verticalized operator)

Other products and services – less priority

Evolve competencies to operate in a majority stockholder structure model

#### HOW to WIN?

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### Develop solar farm projects in DG,

organically or through acquisition of assets, leveraging Cemig's internal capacities 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).

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### **R\$ 782 million**

RAP\* 2021-22 cycle R\$ 233 million of RBSE

#### 3.2 GW

Installed capacity

### **53 power plants**

50 hydroelectric plants2 wind plants1 photovoltaic plant

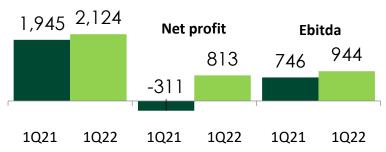
### 5,005 km

Transmission lines (km)

#### Growth strategy:

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

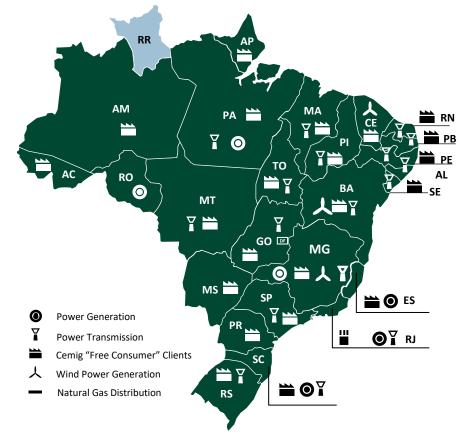
#### Net revenue



### **Renewables:**

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100% of our generation is renewable





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20 million	8.8 million	Concession	Brazil's biggest distribution concession
Population served: 10% of Brazil	Clients in <b>774</b> municipalities	25 years remaining	distribution concession
*RAB R\$8.9 bn	<mark>∼546,000 km</mark>	<u>R\$ 12.5 bn</u>	Minas
<b>R\$14 bn</b> Expected net RAB in 2023	Distribution network	Total investment in 2021-2025	Gerais
	<b>Turnaround strategy</b> tory Ebitda on in client satisfaction ent and digitalization program		
Net revenue	Ebitda	10.63 10.51 10.31 10.0 10.58 10.61	
<b>4,662</b> 4,748	Net profit <b>392</b> 376 <b>745</b> 655		46 9.26*
1Q21 1Q22	1Q21 1Q22 1Q21 1Q22	2018 2019 2020 202 ■ Annual limit ■ DE	





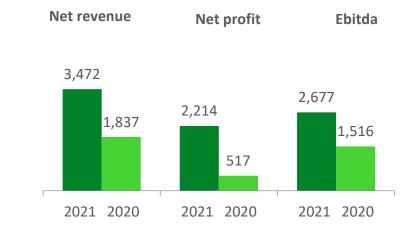
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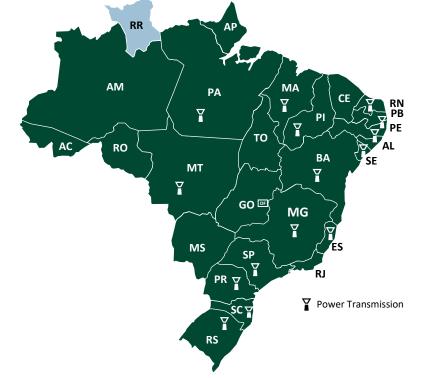
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R\$ bn RAP - Annual Permitted Revenues (2021/2020)

**13,579** Km in transmission lines

**12.5** R\$ bn of market capitalization

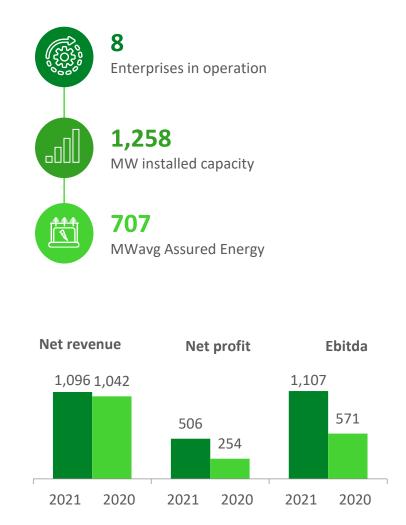




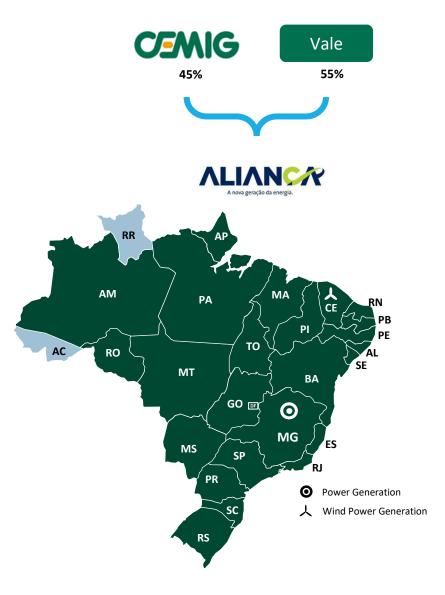
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FitchRatings AAA(bra) Aaa.br STANDARD brAAA



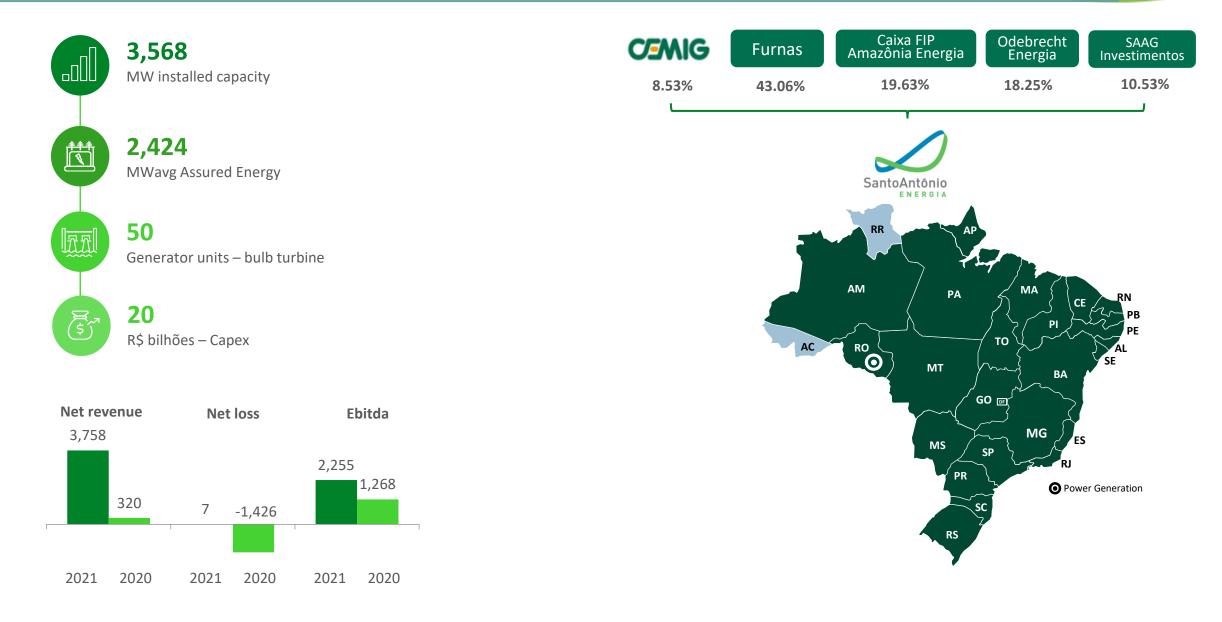


FitchRatings AAA(bra)



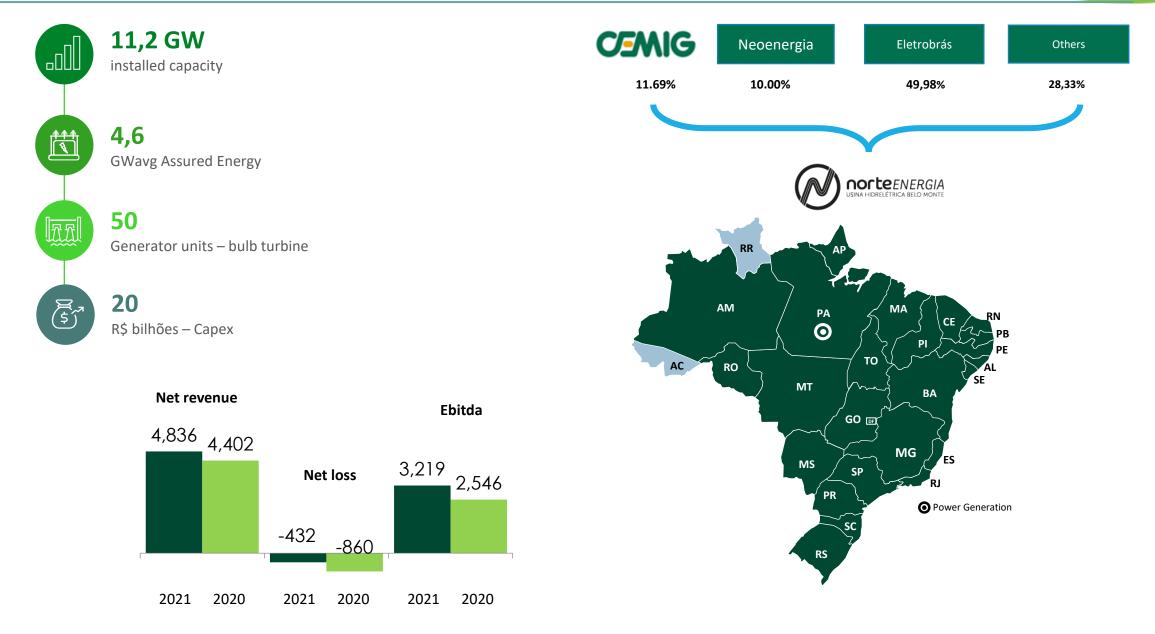














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