

CSN 2020



INITIAL REMARKS



EBITDA 2020

Consolidated R\$11.2bi

Mining R\$7.65bi Steel R\$2.3bi

Capex

2020 - R\$1.6bi

2021 - R\$2.8bi

Mining Expansion R\$1bi Steel R\$1.05bi

2021-25

Mining Expansion R\$14bi Steel R\$6.1bi

Leverage

2020

Under 2,5x

2021

Under 2,0x Net Debt R\$20bi

Volumes

2020

Mining 33mt Steel 4.8mt

2021

Mining 38-40mt Steel 5.2mt

Cash Cost Mining

2020

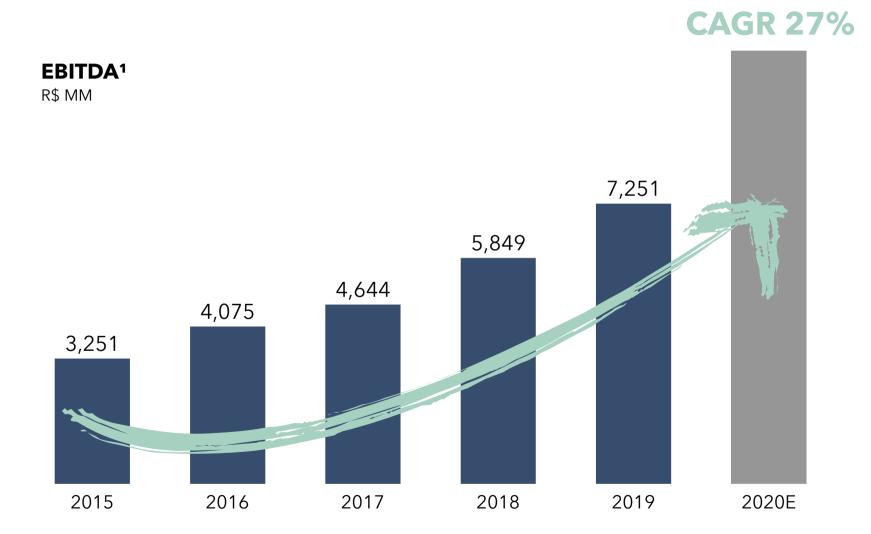
US\$17/ton

2021

US\$16/ton

TURNING THE PAGE WITH ACCELERATED GROWTH AND FINANCIAL DISCIPLINE...





Leverage under 2.5x already in 2020

...GENERATING VALUE TO SHAREHOLDERS







2015 08/12/2020



TRANSFORMATION IN COURSE TO GIVE AUTONOMY AND **UNLOCK VALUE**





Companhia Siderúrgica Nacional





On-going



On-going









Growth through own capital structure



Efficient capital allocation



Dedicated seasoned team







Decreased water consumption and high reuse



Fullyindependent of tailing dams



GRI Integrated Report (2018/2019) and ESG exclusive website



Global Compact Signatories and part of FTSE4Good Index



ESG Committee reporting to the Board



Fast response to COVID-19



Diversity and Inclusion Programes in course

Carbon Footprint



75% of auto-generated energy from 100% renewable sources



Environmental management



R\$759 million in environmental investments in the biennium 2018/2019



Safety is our priority



S C C S N

Close relationship with the communities



TAILING DAMS: DE-CHARACTERIZATION SCHEDULE





All tailing dams in CSN Mineração are classified by ANM as zero emergency and had their stability certificates renewed in Sep/2020



Significant investments in safety and monitoring, taking full advantage of production arising from tailings recovery.

TAILING DAMS: SAFETY MANAGEMENT

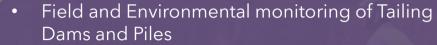


COMITÊ DE BARRAGENS





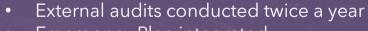




- Analysis and treatment of data
- Waste management and operation
- Execution of Emergency Plan (PAEBM)



- Specialized and dedicated team to ensure implementation of best international practices
- Will adhere to the newly released ICMM's framework



- Emergency Plan integrated
- Partnership to develop and improve procedures
- Cross check (peer review) of audit and projects







Canadian Dam Association
Association canadienne des barrages

Technical Committee

Administration and Director's Committee

CEO



WATER RESOURCES

Presidente Vargas Mill is responsible for 92% of CSN Group's water consumption.

Recirculation



92.9% (2019) and **94%** (2020) in Presidente Vargas



76.2% (2019) and **80%** (2020) in CSN Mineração

Efficiency



14% reduction in water withdrawal at our cements plant in Arcos (MG)



25% reduction in water withdrawal per ton at CSN Mineração.

Consumption



6.6% reduction in water comsumption in all CSN Group.

Management Highlights



CDP - Water Safety Report and New Tools: Water Risk Filter -WWF e Aqueduct WRI (2020)



The only steel company in Brazil to carry out its **Water**Footprint



Participation in **local committees and forums**



BIODIVERSITY

All CSN's conservation units are classified as Sustainable Use Units

CSN Group has protection areas that cover more than 68 thousand hectares

CSN Mineração

Protection areas correspond to **3x** its operational área.

15 years of history in monitoring species.

UPV

Donation of more than **100 thousand** seedlings to the city hall of Volta Redonda (RJ).

Management Highlights



Biodiversity aspects are considered during the whole life cycle of our developments.



Partnerships with institutions, such as ICMBio to environmental management and **fauna and flora monitoring.**



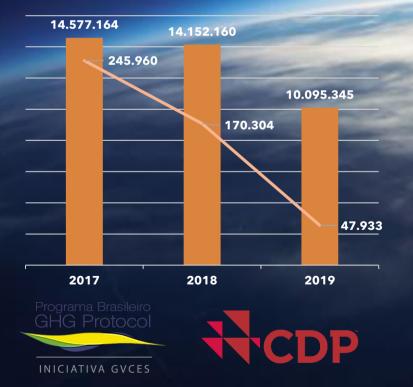
Important participations in **scientific committees** on biodiversity (NICOLE Latin America, RemTech e EKOS Seminar).



CLIMATE ACTION: OUR CARBON FOOTPRINT

CSN Group's total emissions and scope 1+ 2 do decreased significantly in 2019x2018.

CSN Group-Total Emissions (tCO₂e) and Scopes 1 and 2



CSN Mineração

- **22%** of Scope 1 emissions compensated.
- Removal of 35,384 tons of biogenic CO₂ in 2019 through the planting of native species where we operate.
- Lowest Scope 1 and 2 CO₂ emissions in the sector.

CSN Mineração Carbon intensity on a copper equivalent basis- (Scopes1 and 2) (tCo2 / Tcue)



CSN Cements is already close to reaching the targets set by the *Cement Sustainability Initiative (CSI)* and International Energy Agency in the 2030 Cements Roadmap.



Lowest CO₂/t emissions in Brazil and one of the lowest in the world.

20% more energetically efficiency than national average.

Some targets established for cements sector for 2030 were already reached:

****	GHG Emissions (kgCO2/ton)	Clinker Factor	Electric Comsumption	Thermal Consumption (GJ/ton)	Alternate Fuels
CSN (2020 estimado)	486	57.6%	84.4	3.23	10.0%
Brazilian Average ¹	585	73.0%	108.0	3.52	26.0%
Roadmap 2030	480	59.0%	106.0	3.47	35.0%



DIVERSITY AND INCLUSION

CSN aims to create a respectful and inclusive environment, acting against all forms of discrimination and harassment.





Diversity groups to be represented in all recruitment lists



Training



Metrics and benchmark definition



One of the companies with the highest percentage of women in MM sector.

Gender Equality

LGBTQIA+

50+

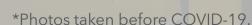
Race and Ethnicity

People with disabilities

13 events 1,000 participants 110 volunteers











SAFETY

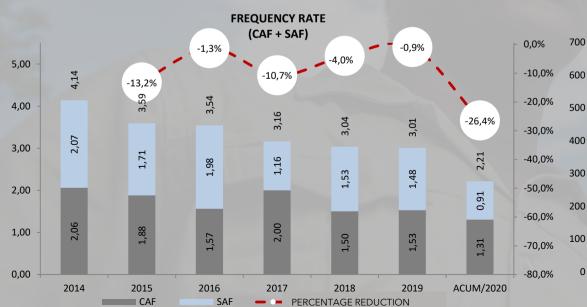
Management Highlights

Fatalities during 2019

Employees represented in formal Safety committees.



Decreasing frequency and severity rates





CSN Mineração: Program to identify potential fatigue signs in great equipment operators and prevent accidents.



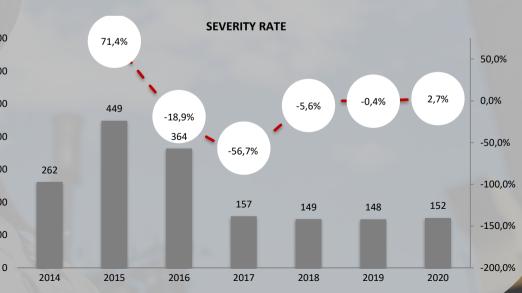


CSN Mineração e Steel: Intelligent system **to predict accident risks** in workplace.



and support employees

Automated control of **PPE delivery** and delivery system.





HEALTH: OUR ACTIONS TO FIGHT COVID-19

Approved medical protocols, risk groups working from home, enhanced hygiene, alcohol 70% and masks available in all units;

Restriction for travels and in-person meetings;

Newsletters and intensive internal communication;

Redesign of workstations;

Changes in work shifts to reduce exposition of our employees to COVID-19.

Management Highlights



CSN created the First Response Management Committee.



Donation of **500 thousand** fabric masks to the cities and regions where we operate;



Donation of supplies

Groups of **CSN volunteers** collected donations to social institutions.



*Photos taken before COVID-19.



COMMUNITIES

Relationship - CSN Mineração



CSN Support House



Family at the Mine



CSN and Community Committee



Communication Channels

*Photos taken before COVID-19.

CSN Foundation - biennium 2018/2019

R\$ 56.2 million invested in 2018 e 2019

23 cities with direct action from the CSN Foundation;

797 fundamental, medium, technical and superior scholarships;

6,883 impacted youngsters;

554,229 people impacted by CSN Foundation Initiatives.



"Garoto Cidadão"
("Citizen Kid") has been assisting, for the last 20 years, children and adolescents between age 10 and 18 who are in social vulnerability situation, in after school activities.



"Ganhar o Mundo"
("Winning over the World"),
focuses on education for
women. The initiative aims to
promote women
empowerment and help
creating gender equality
opportunities.





GOVERNANCE AND COMPLIANCE



Mostly independent Board of Directors, with employee representation and ethnic-racial diversity;



Audit Committee composed exclusively of independent members;



Fiscal Council installed, with representation of minority shareholders;



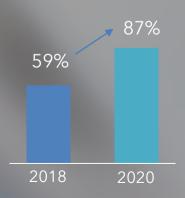
ESG Committee constitution (in progress).

Management Highlights

Compliance in 2020:

- **7,000** people trained virtually
- More than 900 supplies evaluated in due diligence processes
- 926 denouncements received
- **297** confirmations after investigation

Improving adhesion to the best practices of Brazilian Corporate Governance Code (ICVM 586)*



* Considering principles practiced and partially practiced



CSN GROUP

To double the percentage of women, from the current 14% in 2019 to 28% by 2025.

To reduce by 10% the accidents frequency rate registered year after year.

To reduce by 10% by 2030 the scopes 1 and 2 emissions (tCO2e - baseline: 2018);

To continously increase the attendance index of best practices established by CVM n° 586/2017, which institutes the model "Practice or Explain".

To cover our **ESG gaps** mapped with institutions and **rating agencies** and **be part of ISE** - Sustainability Index **by 2022**.

CSN MINERAÇÃO

To double the current percentage of 13% of women by 2025.

To reduce our withdrawal of water per ton of ore produced by 10% by 2030.

To reach 100% of energy from renewable sourced by 2021.

TECAR certified by ISO 14.001 by 2021.

STEEL

To achieve 13% of workforce composed of women by 2020.

To reduce by 10% by
2030 the carbon
equivalent emissions
(tCO2/ton steel produced baseline: 2018)

To reduce by 40% by 2030, the Particulate Matter emissions (baseline: 2019).

CEMENTS

To reduce by 10%, by 2030, the ratio tCO2/ton of cement produced (baseline 2019).

Plants certified by ISO 14.001 by 2021.





Performance based on the essence of CSN aiming to position the company strategically and actively in the innovation ecosystem



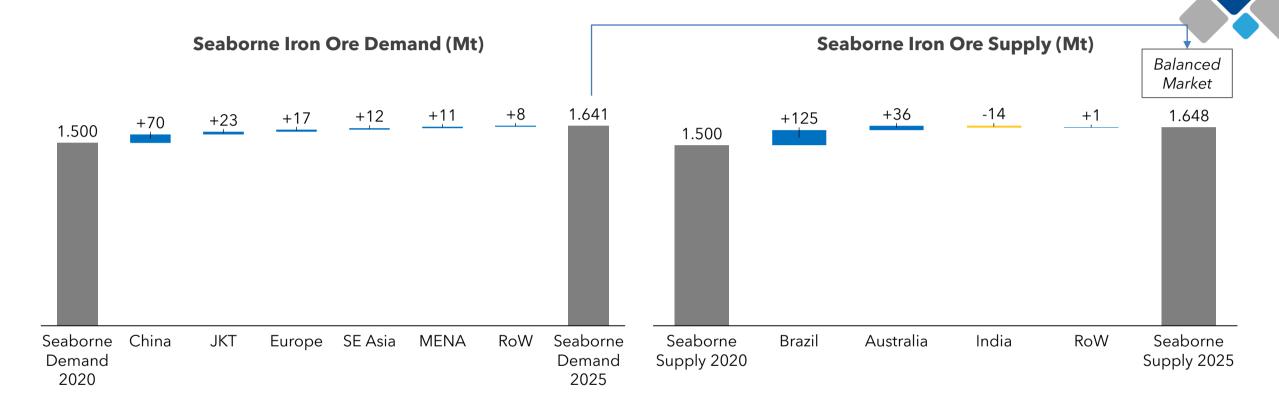
Inova Open	Inova Ventures	Inova Bridge
FAZER BEM	FAZER MAIS	FAZER PRA SEMPRE
\$	-	
Process optimization and operational efficiency	New business and Venture Capital	ESG and communication

IoT, Industrial IoT, Analytics, IA, Industry 4.0, Green Hidrogen, Biotechs, Circular Economy, Machine Learning, Fintechs, Legaltechs, Lawtechs, Healtechs and others





IRON ORE MARKET IS EXPECTED TO CONTINUE BALANCED AFTER EXPANSIONS



✓ Resilient steel production in China + normalization of demand in developed markets post COVID-19 + rapid growth in SE Asia + increasing EAF production in MENA

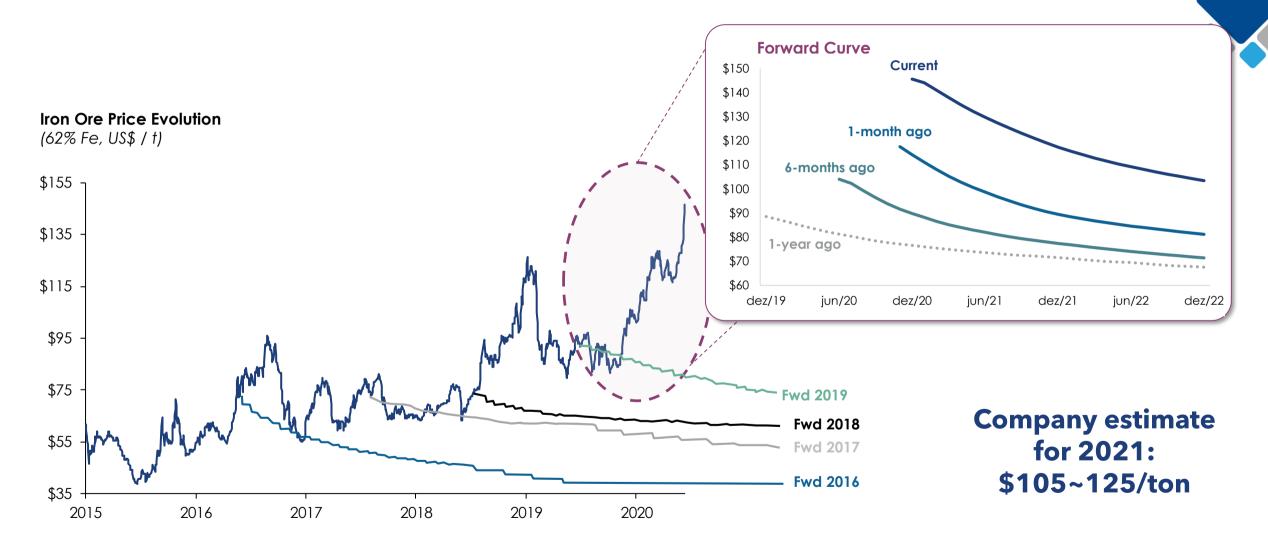
- ✓ Modest expansion by Australian miners + resumption of halted operations in Brazil + India to dedicate ore to domestic market
- ✓ Simandou not considered in the time frame given likely delays
- ✓ (funding, regulatory, environmental, project)



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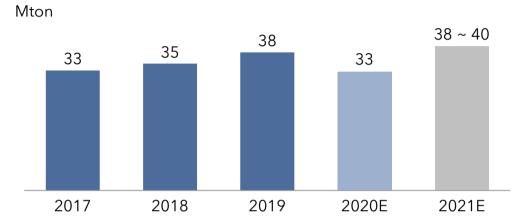
FAVORABLE OUTLOOK FOR IRON ORE PRICES:

UNFULFILLED BACKWARDATION

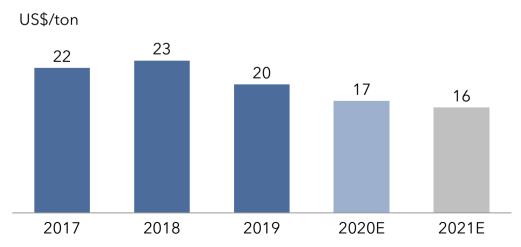


PERFORMANCE HIGHLIGHTS

Mining Production + Purchases¹

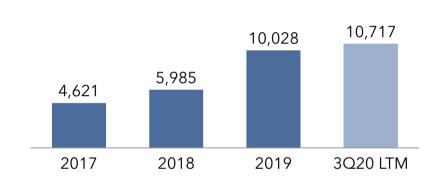


C1 Cash Cost¹



Net Revenue²

R\$ MM



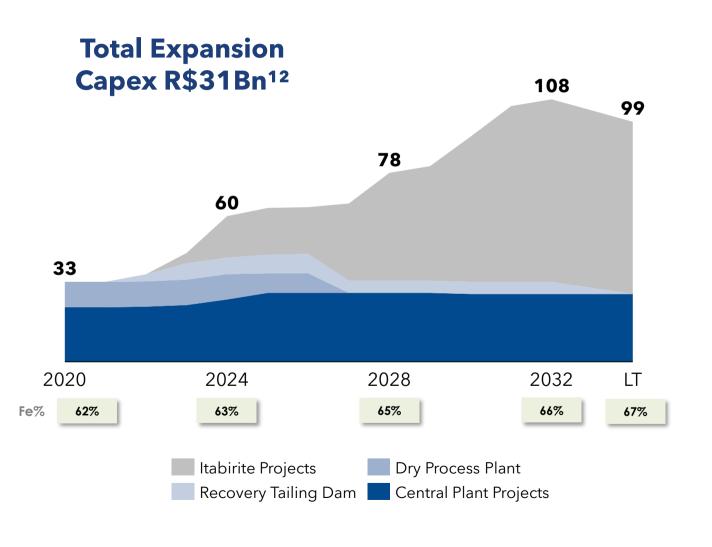
EBITDA²





ENTERING INTO A TRANSFORMATION TO TRIPLE CAPACITY AND IMPROVE QUALITY





- **✓ Projects 100% independent** of tailing dams
- ✓ Mostly brownfield projects
- ✓ Ease implementation with known technology
- ✓ High quality ore with further exploration potential
- ✓ Low CAPEX/ton
- √ Competitive cash cost
- √ Scalability of railway and port

IRR for Expansion Plan @ 31%

Long Term Iron Ore 62% @ \$74/ton²

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EXPANSION THROUGH LOW RISK AND HIGH RETURN PROJECTS ALL INDEPENDENT OF TAILING DAMS









Central Plant Expansions

Tailings Recovery

Itabirite Plants

Tecar Port Expansions

Add	litio	nal
Ca	paci	ity

+6 Mtpy

+8 Mtpy

+75 Mtpy

+85 Mtpy

Status

LicensedOngoing BasicEngineering

LicensedOngoing BasicEngineering

- P15 Licensed
 Ongoing Detailed
 Engineering &
 Equipment Procurement
- Phase 60Mtpy Licensed
 Ongoing Detailed
 Engineering

Projects

Highlights

- ✓ Fast capacity increase
- ✓ Low production cost
- ✓ Decreases tailing generation

Higher metallurgical recovery

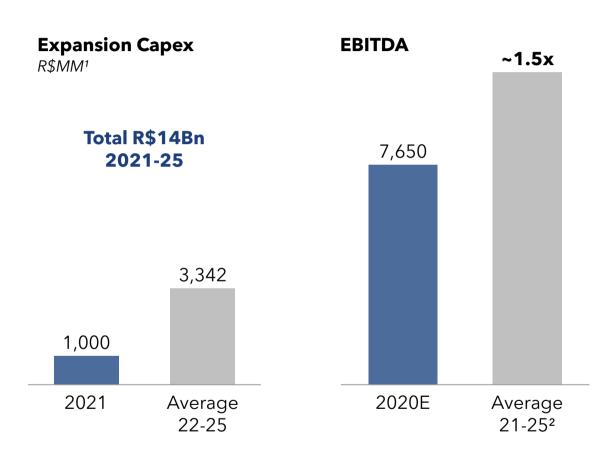
- ✓ Accelerate de-characterization and elimination of tailing dam structures
- ✓ Release areas for dry stacking
- ✓ Safe operation guarantee
- ✓ Known technologies

- ✓ Use of Itabirite Reserves
- ✓ Lower energy consumption
- ✓ Scale optimization
- ✓ lower stripping ratio
- ✓ lower hauling distances
- Fully integrated logistics ready to support the increase in capacity
- ✓ Scale optimization



CAPEX DEPLOYMENT FULLY SUPPORTED BY AVAILABLE CAPITAL





Sources	R\$MM	
Cash Flow 2021-25 Ex expansion capex & dividends	R\$34,213	
ECA financing	R\$1,800	
Infrastructure Debênture	R\$1,000	
Total	R\$37,013	

Funding guaranteed through cash generation and approved financing Leverage limited to 1.0x Net Debt/EBITDA

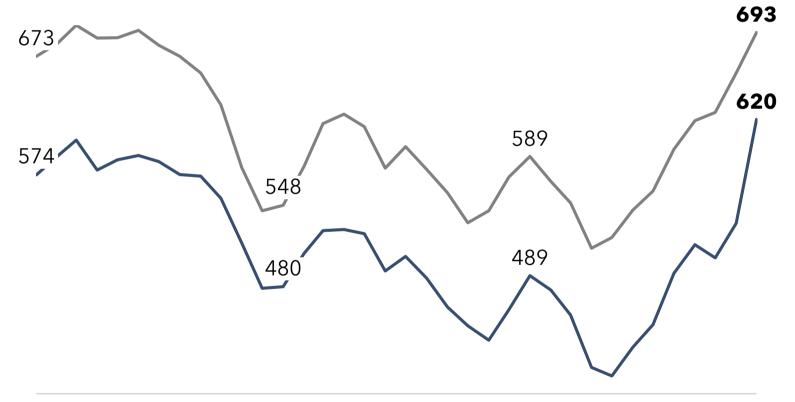


GLOBAL STEEL RISING GIVES FREE PATH TO INCREASE LOCAL PRICES



China Export Prices

USD/ton



jan-18 apr-18 jul-18 oct-18 jan-19 apr-19 jul-19 oct-20 jan-20 apr-20 jul-20 oct-20

China: capacity utilization skyrocketed to 92% and finished inventories have decreased



USA: product shortage due to some inactive mills increased prices



RoW: steel spreads also rising sharply in Europe. Upward trajectory will continue

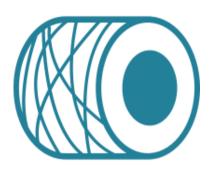


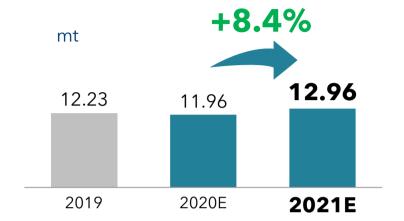


STEEL NET CONSUMPTION IN BRAZIL TO GROW ABOVE GDP IN 2021



Flat Steel





Long Steel











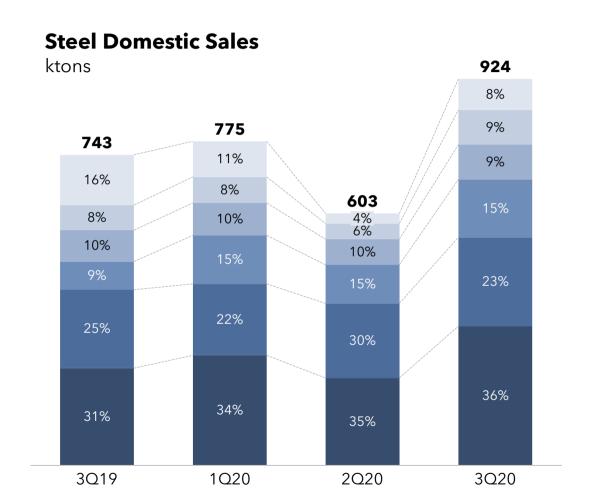


Distribution +9%



ACCELERATED RECOVERY IN DOMESTIC CONSUMPTION BOOSTING PERFORMANCE





Packaging

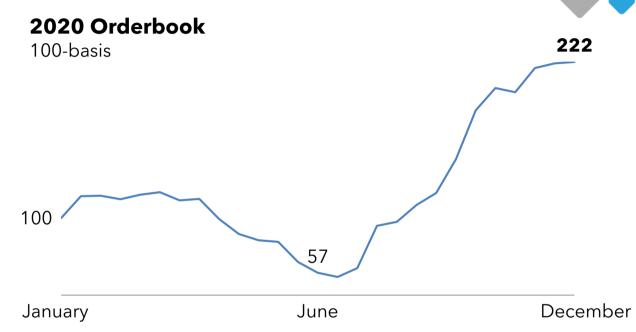
OEM

Civil Construction

Distribution

Auto

Home Appliances

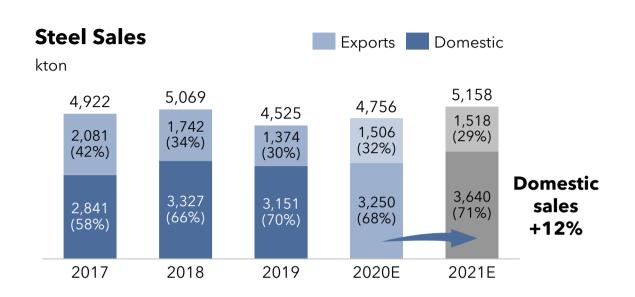


Orderbook outstanding recovery in "V" shape foresee a great 1Q21

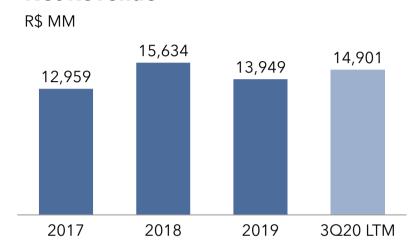


PERFORMANCE HIGHLIGHTS





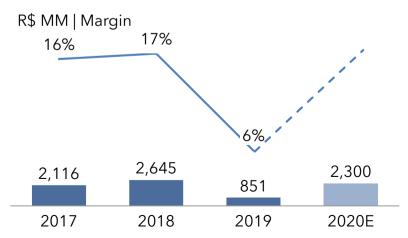
Net Revenue



Slab Cost¹



EBITDA





INVESTMENT PLAN UNDERWAY FOCUS ON PRODUCTIVITY AND DE-BOTTLENECKING PROJECTS TO RETURN MARGINS



2019

Coke Battery

Stripping Lines

Blast Furnaces

Sinter Plant

Hot Strip Line 2



- ✓ Increasing own coke consumption in BFs
- ✓ Improves transformation yields and equipment performance
- ✓ Decreases Iron Ore input in Sintering
- ✓ Improves energy consumption



STRATEGIC OPTIONS: DOWNSTREAM

INCREASE CAPACITY

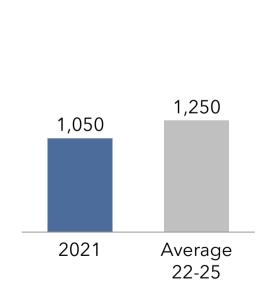
- ✓ New galvanizing line
- ✓ Pre-painted expansion
- ✓ Galvalume expansion

STEEL CAPEX TO BOOST PRODUCTIVITY AND PROFITABILITY

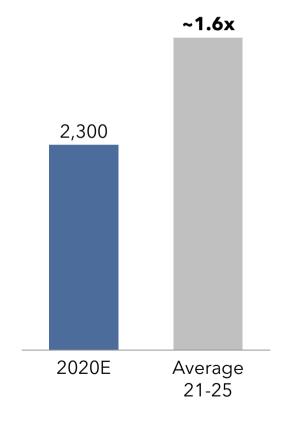


Sustaining & Operational Improvements Capex R\$MM¹





EBITDA



CAPEX Highligts

- √ Coke battery revamp
- **Blast Furnaces modernization**
- √ Sintering plant overhaul
- √ New coke battery
- **✓** Automation & Efficiency improvements

SUPPLY AND DEMAND CONDITIONS LEADS MARGINS RECOVERY.

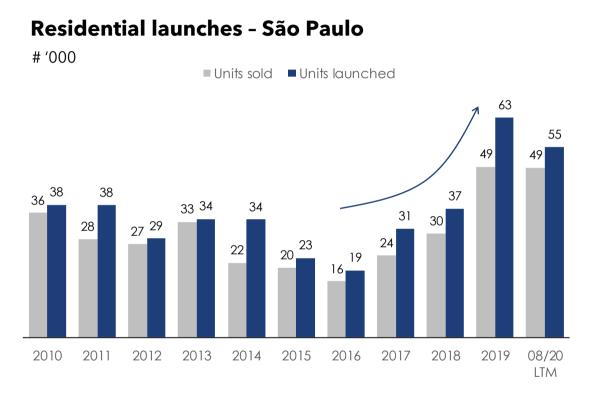


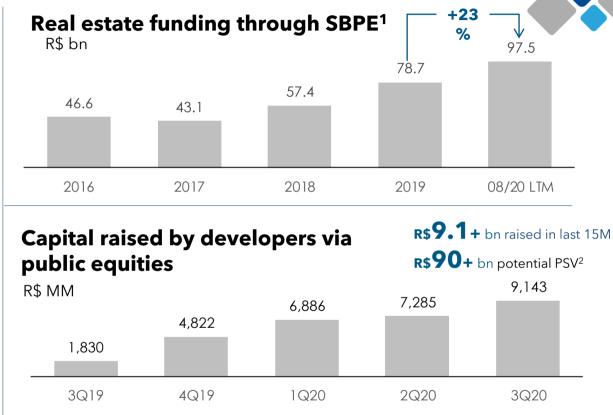
EBITDA per tonne - Flat Steel Brazil

USD 165 149 96 77 68 43 2019 2Q20 3Q20 2023E Average 1Q20 4Q20E 2015-2018



HIGHLY FAVORABLE DYNAMICS IN THE BRAZILIAN REAL ESTATE MARKET





Housing shortage:

Brazil: c. 8 mn houses (c. 15% of total housing)

NE region: c. 2.3 mn houses (c. 30% of national shortage)

New housing program from Brazilian government:



Launched on Aug/20 (replacing MCMV)

Home loans to **1.6** mn low-income families until 2024

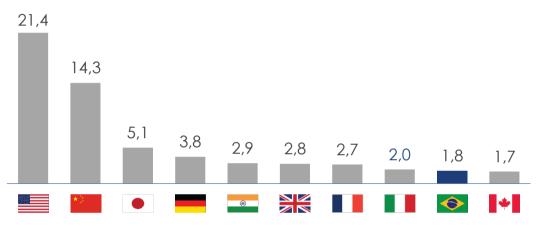
FGTS' budget for housing federal policies of c.R\$ 57 bn for next 3 years



COUPLED WITH CRITICAL BOTTLENECKS TO BE REDUCED

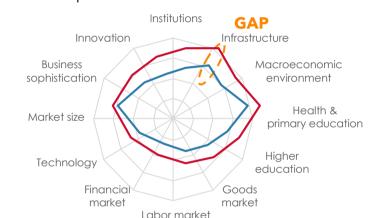
Brazil is the 9th largest economy in the world...

GDP 2019, US\$ tn



...but still has relevant bottlenecks in its infrastructure...

Global Competitive Index¹







...that shall be significantly addressed in the upcoming years



Potential privatizations

Privatization and sale of state-owned shares

Unlocked growth of poor managed companies



Infrastructure auctions

R\$2.6 tn investments pipeline in the next years

R\$250 bn in power generation and transmissions



New regulatory framework for water & sewage

Attractive sector undergoing several changes

R\$500-700 bn of new investments (4x the current investments in the sector)



New regulatory framework for telecom

Telco companies shall move from the concession to authorizations model

Replacement of fixed telco for fiber investments



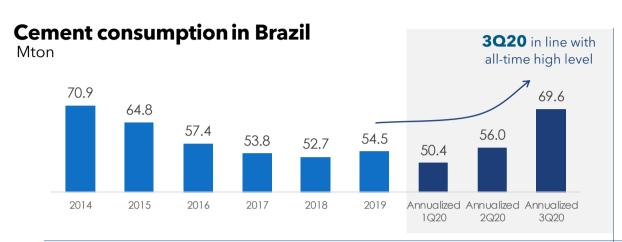
New regulatory framework for natural gas

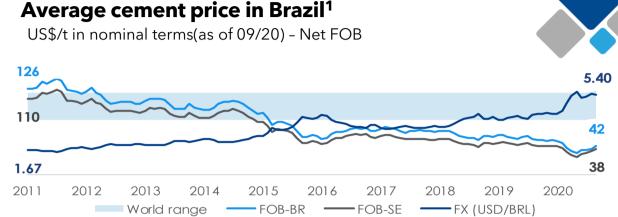
Under approvals by the Brazilian Congress

R\$60+ bn yearly additional investments

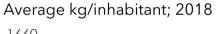


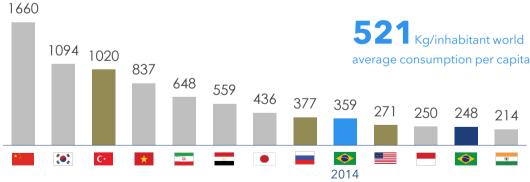
A NEW GROWTH CYCLE HAS ALREADY BEGUN...

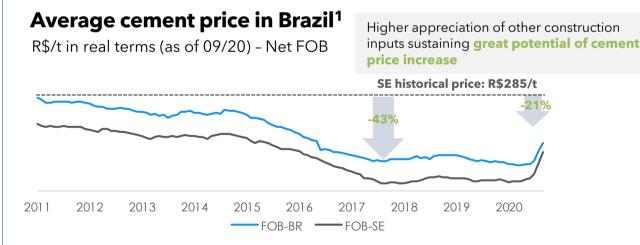




Cement consumption per capita in relevant countries



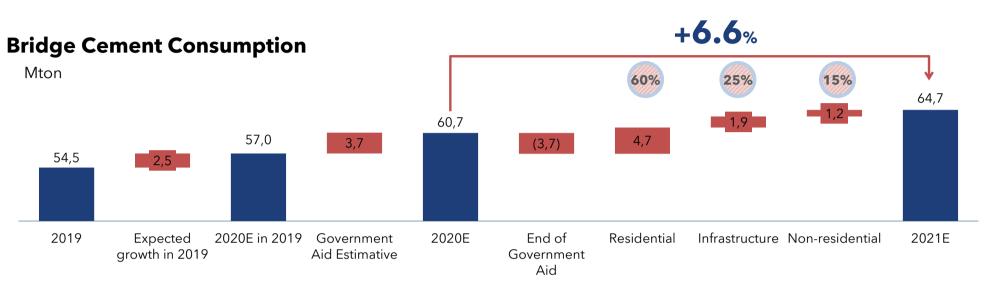


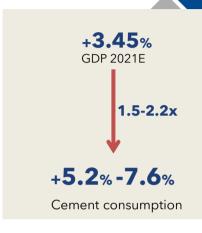


Local market shows stronger volume demands, with prices expected to rebound even further

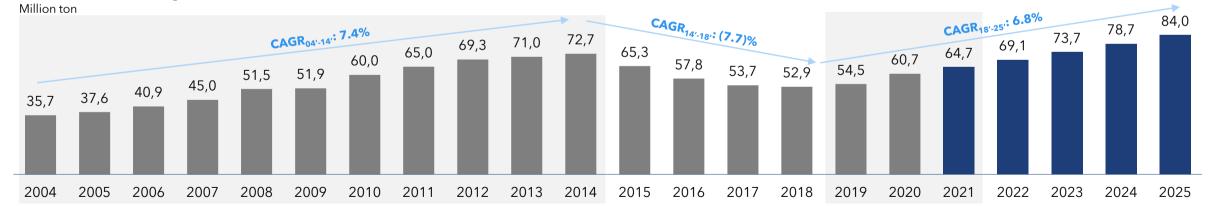


...WITH SOLID FUNDAMENTALS TO BOOST CEMENT CONSUMPTION





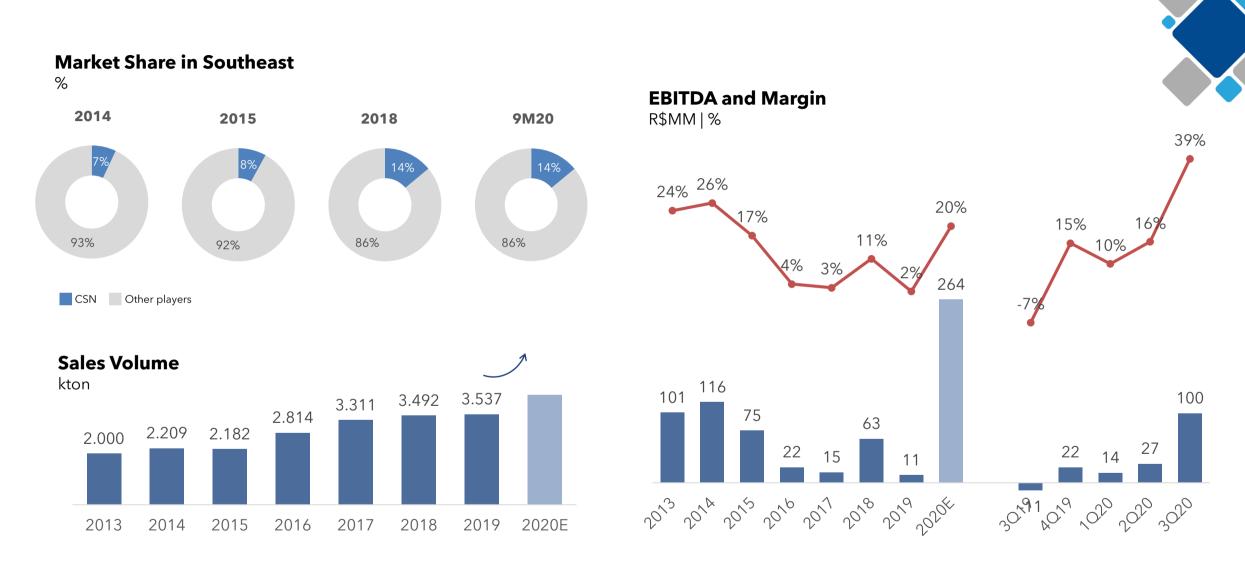
Cement Consumption



High growth potential of cement consumption driven by economic recovery, having a ~1.5 - 2.2x historical correlation with GDP



PERFORMANCE HIGHLIGHTS



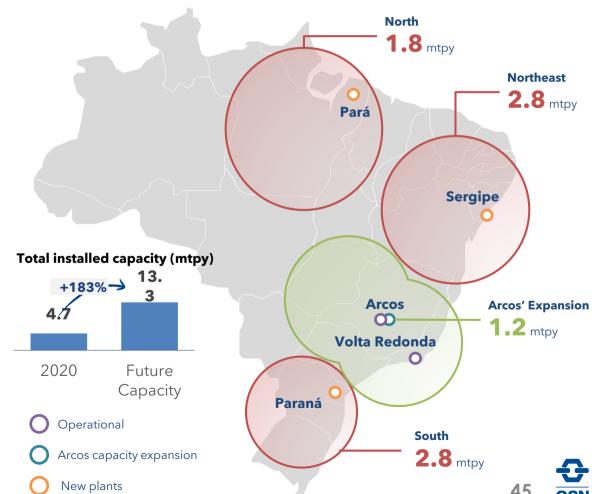
The margins expansion shall be leveraged by future gradual cement price recovery

WITH UNIQUE GROWTH OPPORTUNITIES



via organic growth: feasible projects

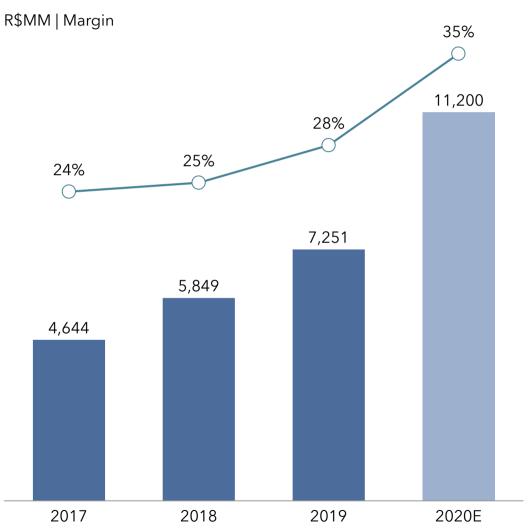
Installed capacity after potential expansion





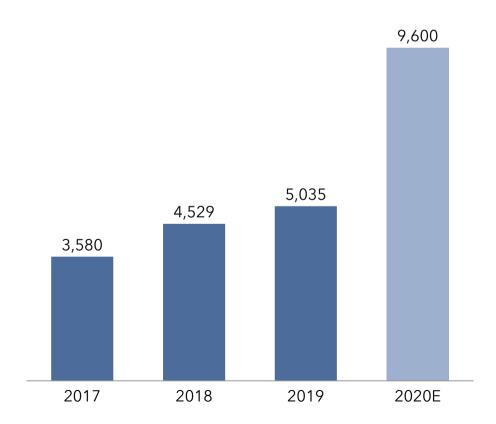
FINANCIAL HIGHLIGHTS

Consolidated EBITDA



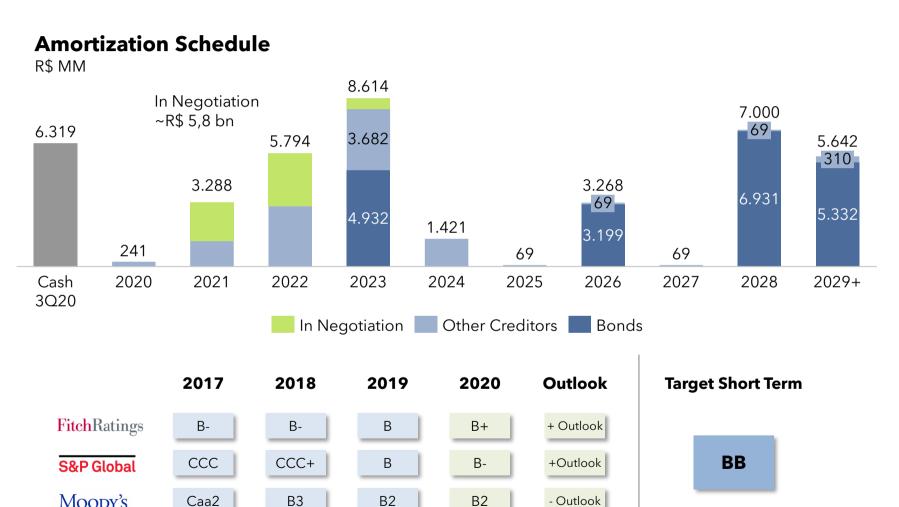
EBITDA - Capex (cash conversion)

R\$ MM



CONTINUOUS MANAGEMENT TO EXTEND DURATION AND REDUCE DEBT COST



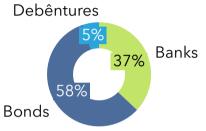


G-Spread¹

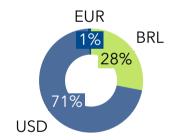
470 bps

300 bps



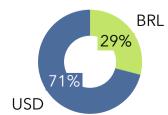


Debt by Currency



Cash by Currency



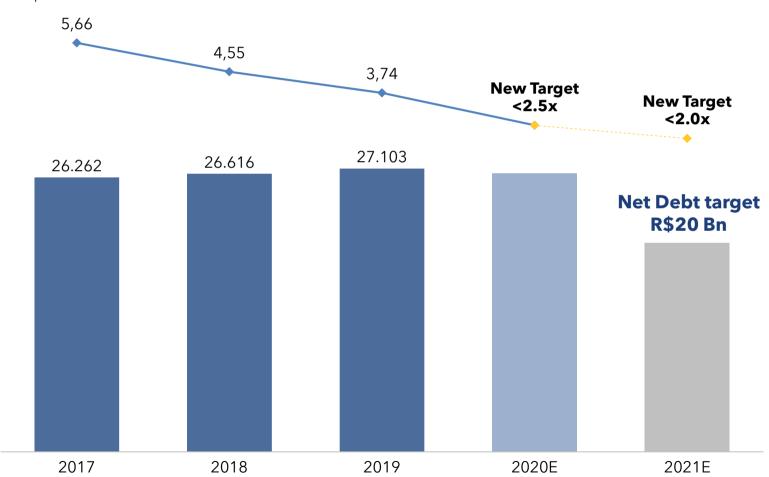


COMMITED TO FURTHER DELEVERAGE



Net Debt and Leverage¹

R\$ MM | x Net Debt/EBITDA



- Target achieval depends on the execution of the financial initiatives
- Minimum dividend policy in place until target achieval
- Discussion on capital allocation and responsible growth is now in order

NEW EXPANSION CYCLE



Capex



2021 Highlights

- ✓ Mining: Development of P15 Itabirite, Magnetic Concentration, Tailings Recovery and Central Plant Expansions
- ✓ Steel: Investments to increase productivity on Coke
 Batteries, Blast Furnace and Sintering
- ✓ Cement: Co-processing plant and sustaining

TRANSFORMATION IN COURSE TO GIVE AUTONOMY AND **UNLOCK VALUE**





Companhia Siderúrgica Nacional





On-going











Growth through own capital structure



Efficient capital allocation



Dedicated seasoned team



