

# In numbers



+ US\$ 5 billion

annual expenditure between OPEX and CAPEX



+ 35 sites

served



+ 12,600

active suppliers



Operations in

9 countries





# 4 Priorities



### Risk Management

Map the risks associated with the supply chain, implementing actions to prevent, mitigate and eliminate risks



#### Competitiveness

Seek competitiveness at every link of the supply chain, reducing inefficiencies and capturing the best TCO for the organization



#### **ESG**

Engage with our partners and suppliers to move forward on the ESG agenda



### **Digital Innovation**

Provoke innovative supply models, using technology to optimize time, cost and performance





Map the risks associated with the supply chain, implementing actions to prevent, mitigate and eliminate risks



#### Risk matrix

to identify the probability of a mapped event happening



Monitoring market

trends and movements

to identify possible actions to

mitigate risks

		Probability of Risk Occurrence				
		(1) Very low	(2) Low	(3) Average	(4) High	(5) Very high
Risk Impact	(5) Catastrophic	15	19	22	24	25
	(4) Critical	10	14	18	21	23
	(3) Serious	6	9	13	17	20
	(2) Moderate	3	5	8	12	16
	(1) Light	1	2	4	7	11

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### Chain Rupture





#### **Supply Chain**

Gerdau is present in the Americas with 32 production units in 9 countries, resulting in a complex supply chain



# Example of the main supply chain risks



#### Sea freight

Increase in logistics costs/time between 21/22, impacting material imports



#### **Production**

Our suppliers are required to follow ESG best practices



#### Material availability

Related to the RUS vs. UKR conflict, where sanctions were imposed on Russian materials



#### **Protectionist barriers**

Geopolitical tensions between the US and China, increasing protectionism on imports



### Chain Rupture

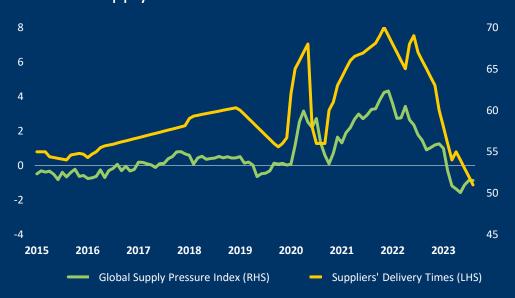




# Lower pressure on supply chains

- Normalization due to falling demand;
- Exception: Equipment. Lead times remain under pressure. Suppliers maintain very long deadlines and some sub-suppliers are at risk.

#### a. Global Supply Chain Pressures

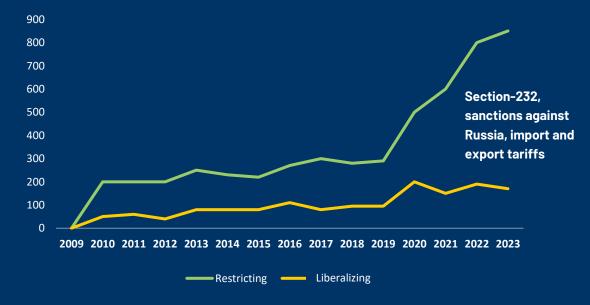


# **~**

# Growing number of protectionist trade measures

It reflects a growing degree of geopolitical tensions. **Risk: it** will probably reshape global supply chains and increase commercial costs.

#### b. New trade measures





### Chain Rupture





**Electrodes:** USA and Mexico **Refractories:** USA and Mexico

Metal alloys: USA, Mexico and Canada



**Electrodes:** Spain, France and Italy

**Refractories:** Italy, France, Germany, Turkey and Slovakia **Metal alloys:** Norway, Germany, Spain and Georgia



Metal alloys: South Africa



**Electrodes:** China and India

Refractories: China

Metal alloys: China, India, Russia and

Kazakhstan



Refractory: Brazil

Metal alloys: Brazil and Chile



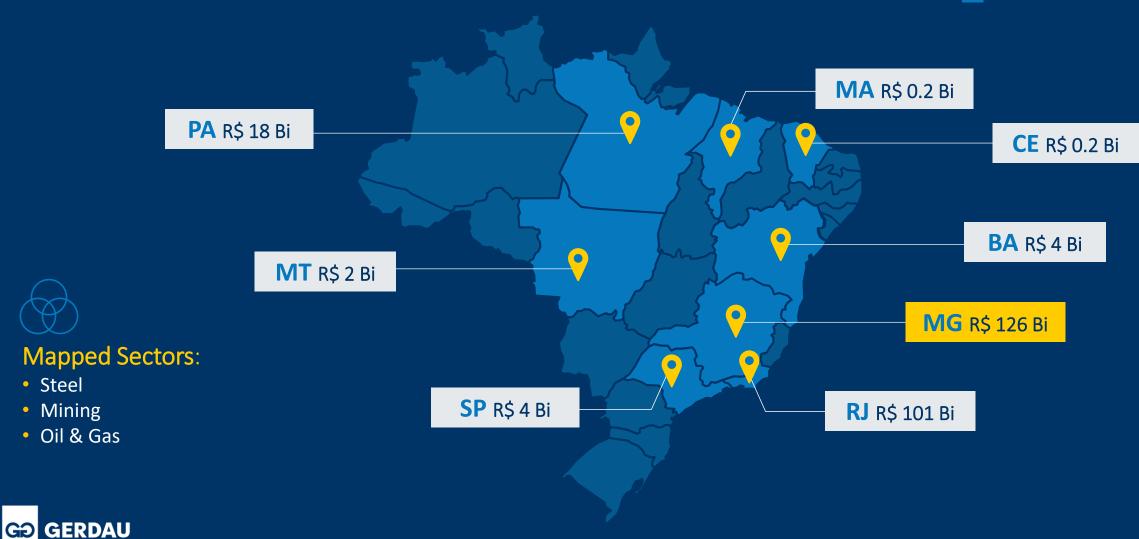
Refractory: Australia



### Investments – Labor

Shape the future





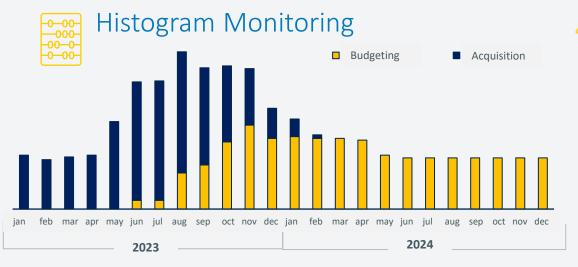
### Labor

# Risks



# Commercial pre-qualification

- Risk assessment of companies in the 3 main pillars
- Adequacy of supplier size
- Categorized vendor list





# Developing new partnerships

- Greater availability of manpower
- Labor from other regions
- Diversification and not overload
- Expertise in managing large projects
- Quality of execution
- Adding value to the process



Shape the future



#### Risks

Supplier overload



#### Opportunities

Continuity of workforce



#### Benefits

Visibility of the workforce • Long-term partnerships Safety Culture • Qualified workforce • Increased productivity



### Building solutions



ESG

Engage with our supplier partners to move ahead on the ESG agenda





### Social - D&I





Involve the supply chain in building and sustaining diversity and inclusion as part of the work environment



+200

companies signed the D&I pact



+70%

made progress on D&I after Inspire Gerdau



+10,000

people impacted



# It's coming...

Next class with small suppliers in the localities where we operate.



### Social - Social Investments

## **ESG**

#### **ACTIONS IN PARTNERSHIP**

#### **Formal** commitment

Social Investment Clause: 0.09% of the contracted amount invested in projects in the locations where we operate



50+ suppliers

investing in social action projects across Brazil



+R\$1.7MM

captured in 7 months



Investment in local workforce training



+450

trained people



3 benefited cities

Ouro Branco, Conselheiro Lafaiete and Congonhas



**Programa Aprimorar** 

Uma iniciativa Gerdau de formação técnica para quem deseja trabalhar na indústria

São diversos cursos na área para ampliar o desenvolvimento e a qualificação profissional

#### **CURSOS PRESENCIAIS EGRATUITOS:**

Iniciação Profissional em Fundamentos de Eletricidade Industrial

Iniciação Profissional em Fundamentos de Soldagem

Iniciação profissional em Fundamentos de Manutenção Mecânica Industrial

**Aperfeiçoamento Profissional** em Construção e Instalação de Alvenarias

Aperfeicoamento Profissional em Preparação de Madeiras para Construção Civil

Para inscrições e mais informações:

- SENAI Av. Macapá, 177, bairro Luzia Augusta, Ouro Branco/MG
- (31) 3741-4114







### Environment

# ESG

CO<sub>2</sub> emissions



SCOPE 1

Steel industry 7- 9% Carbon emissions

New technologies in partnership with suppliers

Market **opportunities** and new supplier solutions



SCOPE 2

Indirect emissions: Energy

Renewable sources

through long-term contracts and self-production

I-rec

**Energy Efficiency** 



**SCOPE 3** 

Indirect emissions: Chain

Supply chain mapping: where companies are and what are the existing actions

**Opportunities and Strategies** 

Consider supplier actions linked to decarbonization when making decisions



The Ecoar Program, launched in July 2023, is a partnership with CDP, the world's largest platform for monitoring climate data, that places us as the first company in the steel sector in Latin America to encourage the value chain to assess its impact on climate changes

