Circular Collaboration for a Sustainable future

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Second largest manufacturer of long steel products in Europe

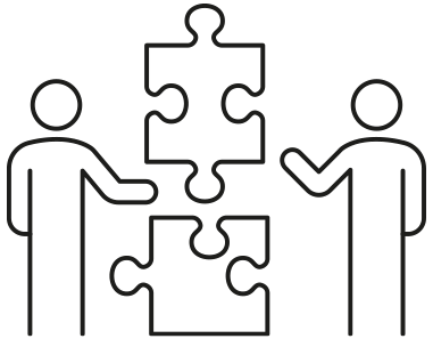
(2021 figures)

5.283
Revenues €MM

6,3
Mt of sold steel

9.912
Employees

35%
Upstream



20%
Downstream

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Since 1967. More than 50 years…

We are a leading family company in Europe in the production of low-emission circular steel.

We produce steel in the most sustainable way possible, in electric arc furnaces, from the recycling of ferrous scrap

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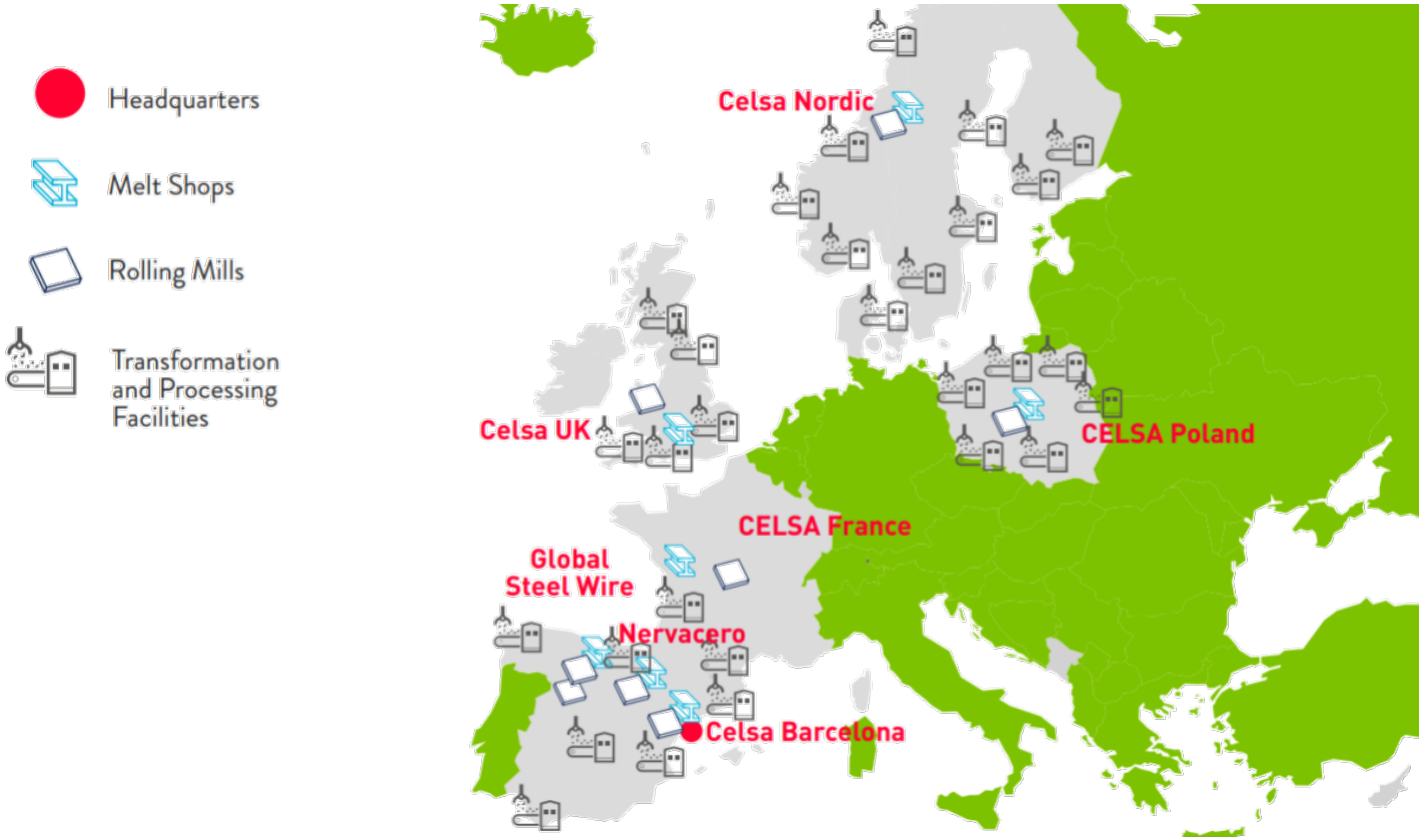
Nervacero es una empresa dedicada a la fabricación y comercialización de acero redondo corrugado.

Ubicación: Valle de Trápaga, Vizcaya
Producción: **550.000 t/año**.



Economía Circular como instrumento para el fomento de la competitividad empresarial

celsa circular steel

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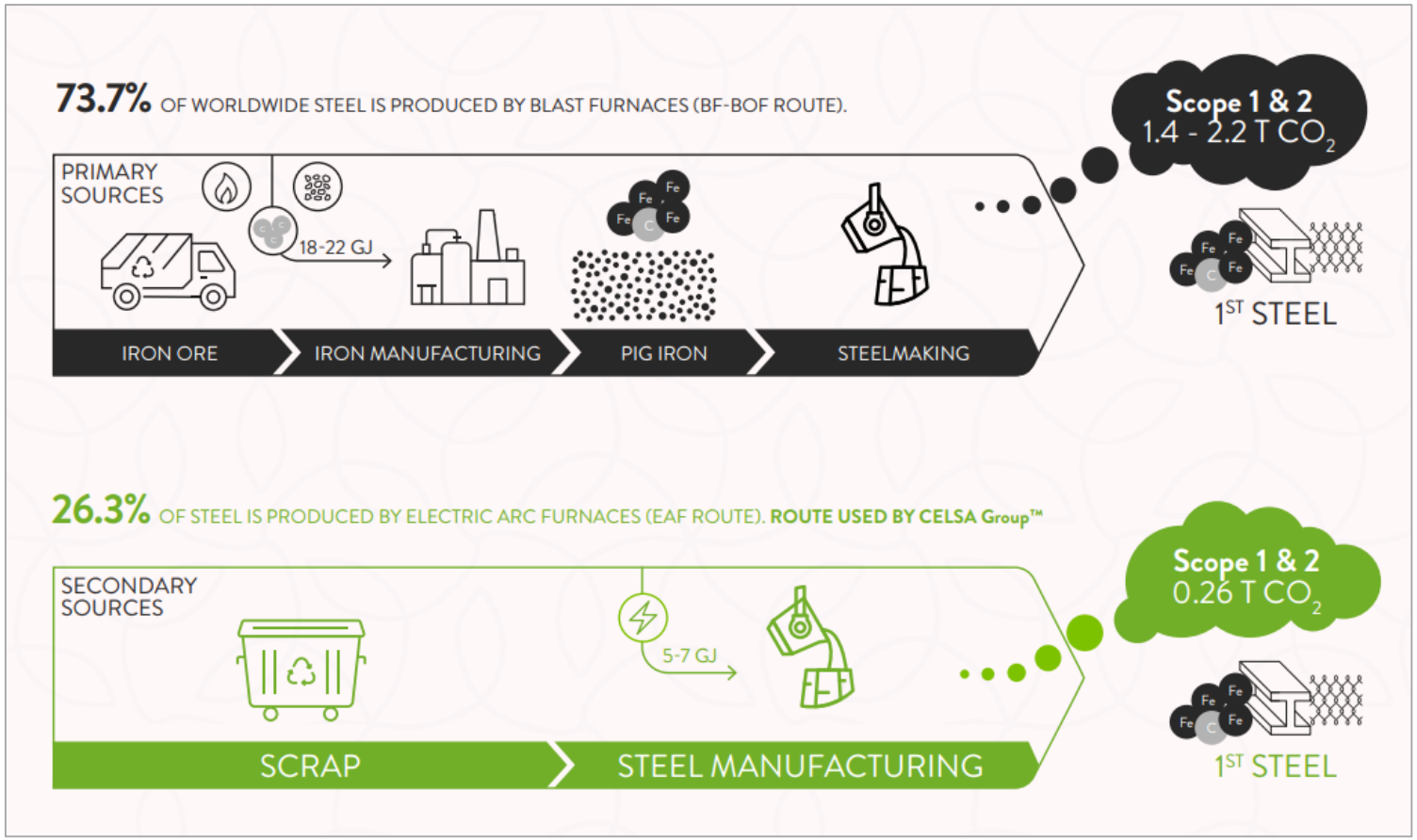
All our production is low-CO_2 emissions



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We are recyclers

7,01M
Tons of scrap

73.000
Tons of non ferrous metals

2,6M
Of co-products valued per year

860
Tons of plastics

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98%

RAW MATERIAL

We use in production comes from recycled material

THE STEEL MANUFACTURED IS

100%

RECYCLABLE

Infinitive times

93%

OF THE WASTE GENERATED

By our production processes is valued and converted into new products

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The two BIGGEST systemic risks of our planet

THE RISK OF DEPLETION OF NATURAL RESOURCES
derived, on the one hand, from the incessant growth of the population and, on the other, from the validity of the "linear economy" model.

THE RISK OF CLIMATE CHANGE
with all the consequences derived from it, which, in turn, feeds the risk of resource depletion..

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DESAFÍOS GLOBALES

- SOBREEXPLOTACIÓN RECURSOS NATURALES
- CALENTAMIENTO GLOBAL

STAKEHOLDERS

- SOCIEDAD
- CLIENTES
- TRABAJADORES
- INVERSORES

eco label

EPD®

TSUNAMI REGULATORIO

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Celsa Group Road Map

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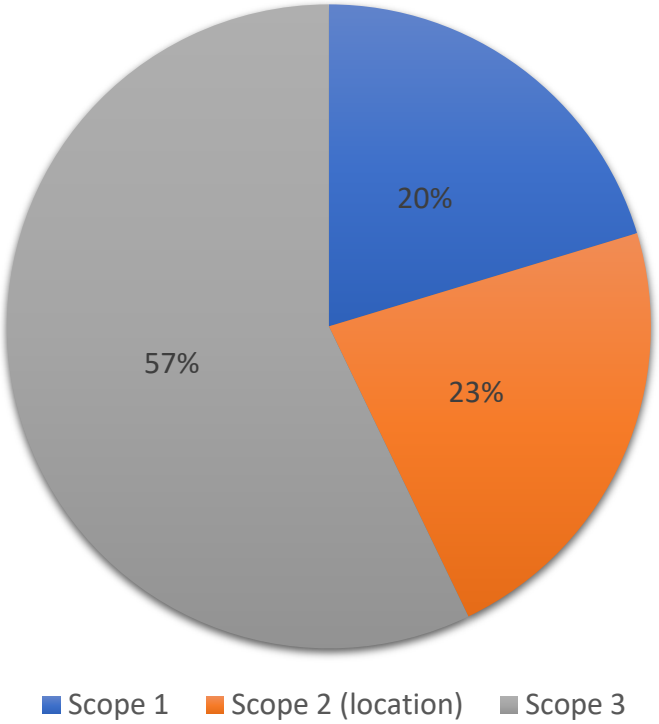
Carbon footprint 2021



Categories included in Scope 3:

- 3.1 Purchased goods
- 3.2 Capital goods
- 3.3 Oil and electricity production
- 3.4 Upstream transportation and distribution
- 3.5 Disposal of waste
- 3.6 Business travel
- 3.7 Employee commuting
- 3.9 Downstream transport and distribution

The GHG Protocol Corporate Standard methodology has been used to calculate the carbon footprint

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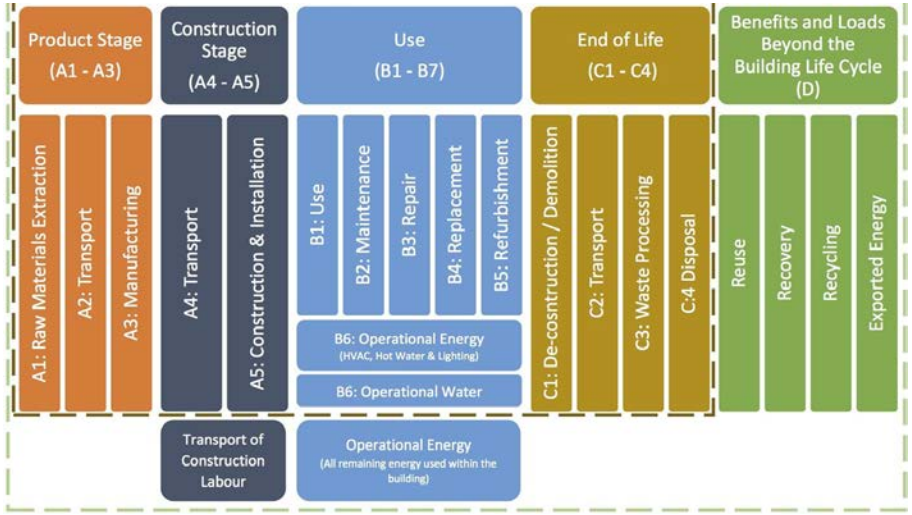
Life cycle assessment (EPD)



Preliminary results

Basic environmental impacts										
	Unit	A1	A2	A3	Total A1-3	C1	C2	C3	C4	D
GWP-total	kg CO2 eq	9,14E+01	8,36E+01	1,16E+02	2,91E+02	5,73E+01	1,96E+01	1,38E+00	5,28E-01	-1,05E+02
ODP	kg CFC-11 eq	6,69E-06	1,69E-05	7,71E-06	3,13E-05	1,24E-05	4,46E-06	1,46E-07	2,17E-07	-3,30E-06
AP	mol H+ eq	5,81E-01	1,13E+00	7,20E-02	1,78E+00	6,00E-01	5,63E-02	5,77E-03	5,00E-03	-5,14E-01
EP-freshwater	kg P eq	6,07E-03	7,84E-04	3,26E-04	7,18E-03	2,09E-04	1,57E-04	3,74E-05	5,90E-06	-6,21E-03
EP-freshwater	kg PO4 eq	1,86E-02	2,41E-03	9,99E-04	2,20E-02	6,41E-04	4,81E-04	1,15E-04	1,81E-05	-1,91E-02
EP-marine	kg N eq	1,15E-01	3,33E-01	2,96E-02	4,77E-01	2,65E-01	1,11E-02	1,23E-03	1,72E-03	-9,95E-02
EP-terrestrial	mol N eq	1,32E+00	3,68E+00	2,89E-01	5,29E+00	2,90E+00	1,25E-01	1,43E-02	1,90E-02	-1,13E+00
POCP	kg NMVOC eq	4,25E-01	9,94E-01	8,63E-02	1,50E+00	7,98E-01	4,78E-02	3,75E-03	5,51E-03	-5,49E-01
ADPE (1)	kg Sb eq	1,65E-03	1,21E-03	1,37E-04	2,99E-03	8,79E-05	5,41E-04	9,97E-06	4,82E-06	-1,78E-03
ADPF (1)	MJ	1,42E+03	1,15E+03	1,34E+03	3,92E+03	7,89E+02	2,96E+02	3,24E+01	1,47E+01	-8,77E+02
WDP (1)	m3 eq	6,55E+01	3,71E+00	-1,05E+00	6,82E+01	1,06E+00	8,39E-01	6,19E-02	6,60E-01	-9,06E+00

In accordance with ISO 14025
PCR 2019:14 version 1.11 Construction products

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RESULTADOS OBTENIDOS

800.000€

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OBRA ASFALTADO PUERTO DE BILBAO: Explanada Dique Punta Sollana. 20.000 m². 4.000 tns de árido siderúrgico (Escoria negra valorizada).

50%

Aplicación de escoria negra en hormigón

Embebido revolucionario en rail con Impresión 3D

Desarrollo de Hormigón para embeber railes de rodadura utilizando escorias de Nervacero

tecnalia | COMSA CORPORACIÓN | ARCANORSA | MECANIZADOS ASUA | GRUPO spri | inkatec AUTOMATIZACIÓN Y ROBÓTICA

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CONCLUSIONES Y RECOMENDACIONES

- Calidad de residuos como materia prima
- Colaboración con administraciones públicas
- Cambio de paradigma para un futuro sostenible

If we could build an economy that would use things rather than use them up, we could build a future.
Si pudiéramos construir una economía que usara las cosas en lugar de agotarlas, podríamos construir un futuro.
Ellen McArthur

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MUCHAS GRACIAS
Committed to **people and their environment**

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