



celsa
circular
steel

Embracing
a sustainable
future



CELSA
GROUP

GLOBAL
STEEL WIRE

Our planet needs new solutions

The risk of depletion of natural resources and the risk derived from climate change are serious and systemic problems. The 'take-make-dispose' production model is now affecting the entire planet, the human population, companies, and consequently, **CELSA Group™** and our stakeholders.

The global annual demand of resources has exceeded what the Earth is able to regenerate, using an equivalent of 1.7 planets in order to produce the global production output.

In addition, pollution and waste, consequences of the current linear production model in our economy, is accelerating environmental degradation and climate change.

CELSA Group™ works to be part of the solution to these endemic problems through its clear commitment to circularity and also for accelerating the complete decarbonization of its production process.



CELSA GROUP™ leads the way for a circular sustainable future

CELSA Group™ is currently the largest circular supply chain in Europe. All the products we manufacture are 100% recyclable and the steel we produce contains up to 100% recycled materials. The strong integration upstream and downstream of the group places us in an advantageous circular position, recovering and recycling annually more than 8 Mt of scrap, 100 kt of non-ferrous metals, 5 kt of plastics and contributing to the valorisation of 1.5 Mt as co-products of our processes . **We are the biggest recycling company in Spain and the second biggest in Europe,** with 45 circular hubs spread across Europe to recover all sort of waste.

In addition, **CELSA Group™** is already a **low-emissions company,** with scope 1 and 2 nine times lower than those of the traditional steel manufacturing route, thanks to production in electric arc furnaces, the most sustainable steel production technology.

With all that, **CELSA Group™** already complies with the requirements for climate change mitigation of the European Taxonomy, becoming an **eligible option for sustainable financing.**



Circular collaboration for a circular sustainable future

Although we are already in a leading position, we will not stop here. We have started a transformation in order to achieve our new vision.

Our vision is to be leaders of the circular supply chain to build a Net Positive Future.

Celsa Circular Steel is a sustainable journey in order to close the circular loop. That means using resources more efficiently by maximizing local sourcing, keeping materials within the ecosystem after the end of its life, reducing waste and pollution to zero and using renewable energy sources for our processes.

To achieve such complete circular value chain, **collaboration across the supply chain with stakeholders becomes the central point.**

Global Steel Wire Group: The future net positive steel producer

Global Steel Wire Group is the European leader in high value-added wire rod and Europe's largest downstream-integrated group. As part of **CELSA Group**, we are constantly developing our processes in order to provide our customers with more sustainable products, and support them in their Circular and Decarbonization Strategy.

With our **Celsa Circular Steel product brand**, we are moving one-step further to provide a new line of sustainable products that go beyond decarbonization, combining neutrality and circularity.

At GSW Group we provide the following CELSA Circular Steel product categories:



With Celsa Circular Steel, we offer **low carbon and circular steel products** manufactured using recycled steel -scrap- in electric arc furnaces, the most energy and environmentally efficient steel manufacturing technology, and processed in our strong vertical integrated value chain.

Besides being a low-emission steel company, with scope 1 and 2 nine times lower than those of the traditional steel manufacturing route, we consume less natural resources - raw materials and water - and we valorize more than 90% of the by-products associated to the steel production.



With the Clean Energy product line, we guarantee our customers that the **steel has been produced with 100% renewable electricity** through Guarantees of Origin or future Power Purchase Agreements (PPAs).

Besides making sure the renewable source of our electricity, the customer can benefit a very low carbon footprint of the product. In addition, all energy related investments in our pipeline will be accounted through this initiative, from green hydrogen to other clean energy projects.

Since circularity is part of our core strategy, and we have a strong commitment as part of CELSA Group to lead the circular transformation, we are also able to customize our products, **offering raw material recycling rates up to 100%**, therefore reducing the consumption of natural resources and tailoring circularity to customer needs.



With the Carbon Neutral product line, **we bring our already very low carbon footprint to zero** by compensating the remaining carbon emissions.

We ensure that any CO₂ released into the atmosphere from our product life cycle will be balanced by an equivalent amount of carbon offsets.

This need for carbon offsets will be gradually reduced as we further invest in process improvements until we achieve our ultimate goal to become a Net Positive Steel Producer by 2040.



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All GSW Group integrated product line – Wire Rod, Drawn Wire, PC Wire and Bright Bars – could benefit from these sustainable initiatives. We can provide our customers with a customized solution, supporting them as a high-added value steel partner in their way towards carbon neutrality.

All these products will come with an Environmental Product Declaration (EPD) and will be certified with a third-party auditor to make sure that level of sustainability offered is achieved.





by



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