



TOSYALI HOLDING

www.tosyaliholding.com.tr

Tosyali Holding     



TOSYALI

V-GREEN®

V I S I O N G R E E N

The logo for Tosyalı V-Green. It features a red stylized wave icon to the left of the word "TOSYALI" in bold black uppercase letters. Below "TOSYALI" is a large green "V" followed by "GREEN" in bold black uppercase letters, with a registered trademark symbol (®) to its right.

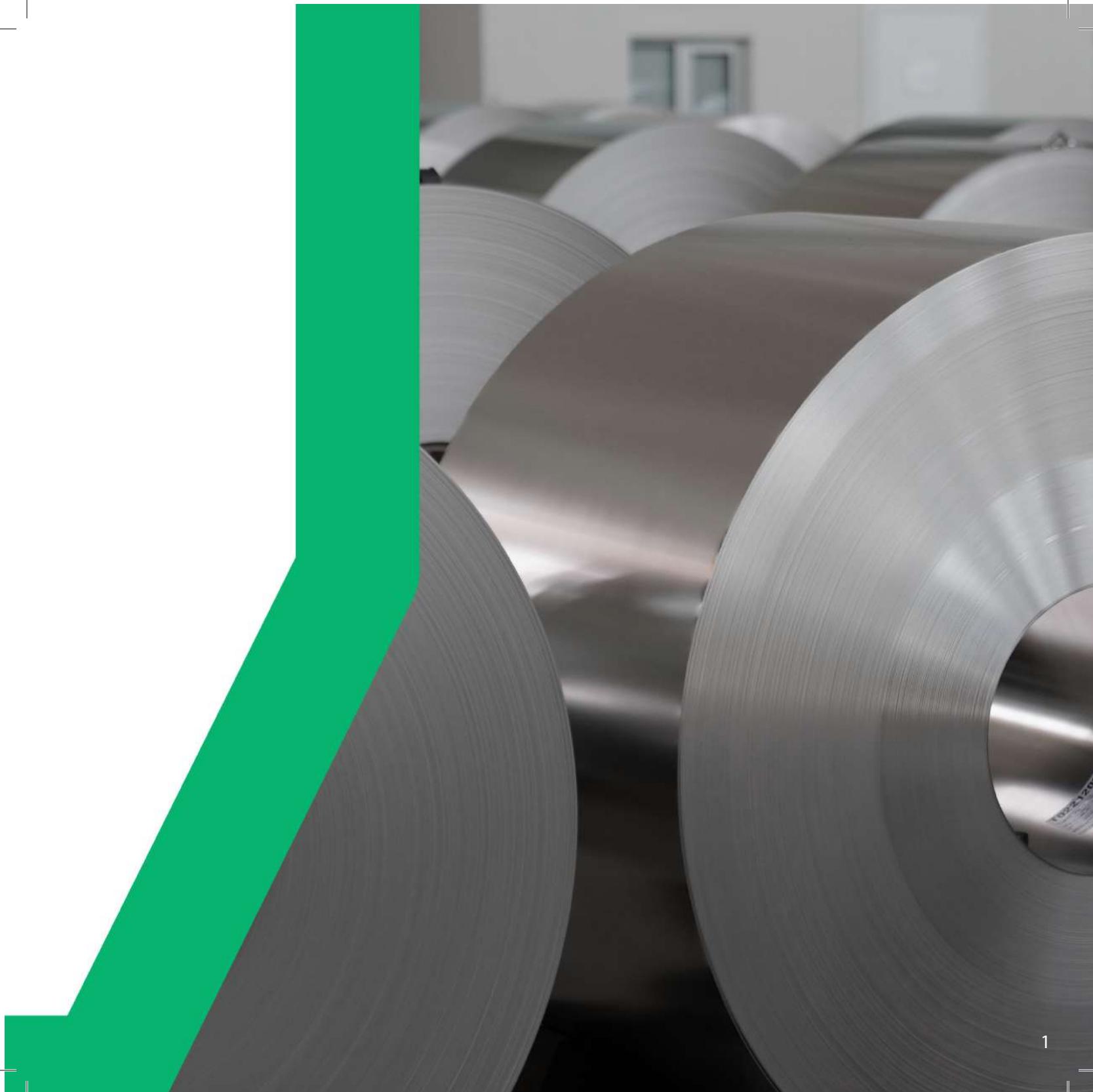
TOSYALI V-GREEN®

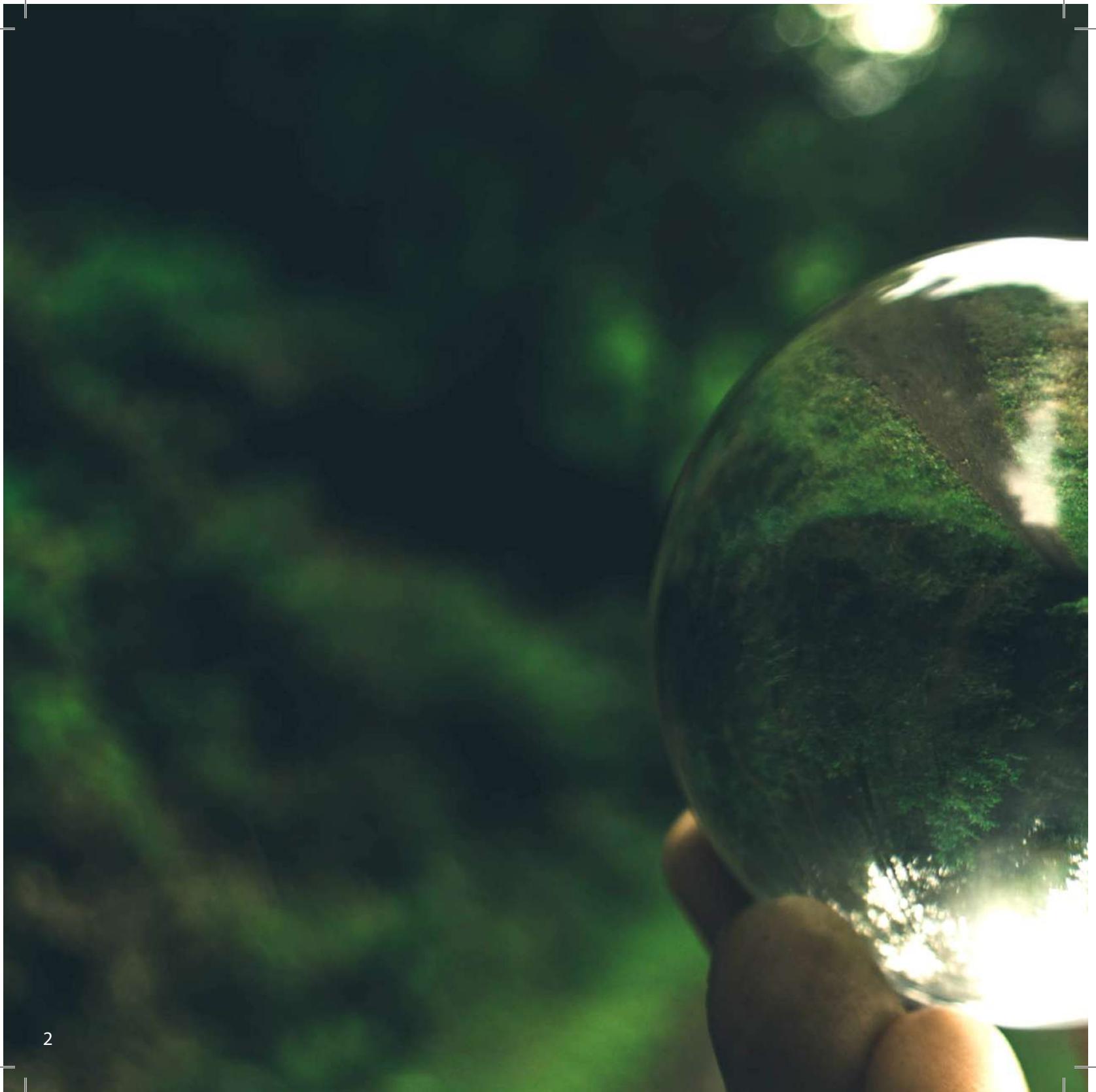
"As Tosyalı, our vision is to contribute to building a sustainable world via ensuring environmentally production in our facilities, with the help of technology, innovation and renewable energy usage. Within our responsible ecosystem management approach, we produce green steel products in every category of the steel. We produce **less carbon emission, consume less water, focus on renewable energy resources, produce with highest efficiency and recycle all our wastes.** We do believe if the steel industry transforms to green, the life transforms to sustainable living."

Fuat TOSYALI

Chairman of the Board
of Directors of Tosyalı Holding









What is **TOSYALI** **V-GREEN®**

Our vision is to contribute to building a sustainable world. Now, we proudly present a new umbrella brand to represent this vision in every touch point of Tosyalı operations.

Tosyalı V-Green

This is not just a brand, it is also the strongest indicator of sustainability actions those have been taking place for many years at Tosyalı and will continue by highest determination.

In all our production facilities, we focus on new generation green steel production and under the umbrella of V-Green, we introduce and supplier and environmental friendly products.

How we are making this vision live in Tosyalı?

We produce green steel with the help of;

- technology usage,
- innovation,
- renewable energy resources
- recycling in every touch point production
- operating with highest efficiency

We aim to be world leading sustainable green steel producers on the world. By having the lowest had carbon footprint.

"V" are ready to be "Green"!

V-Green.

Vision Green.

How we produce

TOSYALI **V-GREEN®** steel?

TOSÇELİK PROFİL VE SAC OSMANIYE // EAF

Tosçelik Profil ve Sac is Europe's Largest ERW Pipe producer. **Tosçelik Profil ve Sac** aims to produce value-added products with a sustainability-oriented approach, making a difference in the steel industry since the day it was founded. The company supplies its wide range of products to the global market, reaching across 6 continents and nearly 100 countries. Its R&D Center established for the first time in the Osmaniye region, is the center of research and development of all production facilities of Tosyalı Holding.

Pipes and profiles produced in **Tosçelik** ERW Pipe and Profile Production Facility are using this facility's own flat steels that has relatively much lower carbon footprints compared to industry averages. Thanks to the **renewable energy resources, high scrap usage in the production** and **R&D efforts; Tosçelik Profil ve Sac** positions itself as the HRC & ERW pipe producer with one of the world's lowest carbon footprint. Furthermore, **Tosçelik Profil ve Sac** remains committed to industry leadership, continuing investments that not only benefit the company but also contribute positively to the sustainable world.



TOSYALI FOR SUSTAINABLE LIVING



THE CENTER OF GREEN STEEL IN TÜRKİYE



TOSYALI DEMİR ÇELİK İSKENDERUN FACILITY // Quantum EAF

As Tosyali Holding, we closely follow advanced technologies that will reduce the carbon footprint, and we make significant investments to implement these technologies in our existing and new facilities. We have implemented many best practices and the highest technology available around the world at **Tosyali Demir Çelik Iskenderun** steel production facility, which is Turkey's largest industrial investment and started production in 2023. **Tosyali Demir Çelik Iskenderun** has become a facility that put Tosyali Holding ahead in global competition with its industry 4.0 compatibility, using the most advanced technologies and green steel production capability. With the commissioning of the facility, we became the first user in Turkey of Quantum Furnace technology, which enables lower electrical energy consumption. With our other sustainability-oriented investments there, we produce with a 70% lower carbon footprint than blast furnaces and 20% lower than traditional arc furnaces. At **Tosyali Demir Çelik Iskenderun** which covers Turkey's 4 million tons of flat steel need, we have set a good example for the value-added green steel production that is highly needed for country's industrial development.

WORLD'S UNIQUE **TWIN MEGA DRI TOWERS**



TOSYALI ALGÉRIE // DRI

With our fully integrated facility design in **Tosyali Algérie**, which sets an example for the world steel industry, we produce with carbon emissions below the world DRI emission average, thanks to the **advanced technologies, highest capacity usage** and **hot charging structure** of our DRI facility design.

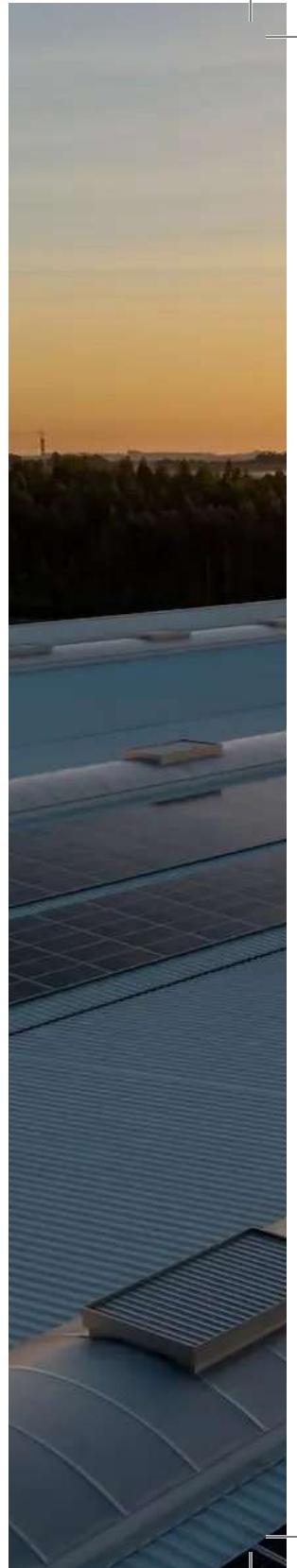




Renewable energy projects

With the Solar Power Plant project that we initiated simultaneously in all our facilities, we reached **235 MW** installed power by the end of 2023, being **one of the largest rooftop Solar Power Plant in the world**. With this project, we have also become one of the facilities that produce the cleanest and greenest steel in the world. The purlin connection technique applied in the installation and the use of state-of-the-art materials have made this project a rooftop solar power plant built with the world's newest technology. Our R&D Center also made a significant contribution to this project with its innovative studies on reducing the static load of the system on the roofs with the panel holders it designed. Our project is among the best examples in the world in terms of energy efficiency, thanks to its design that allows the generation of electricity using a double-sided surface to benefit from sunlight at the highest level.

As Tosyalı holding, in the mid-run, we aim to reach 3 GW in renewable energy production. For this target, we have just started a new investment on an area of approximately 25 million square meters in the south region of Turkey in 2023. We have been working on the installation of solar power plants suitable for storage to meet the internal needs of our Tosyalı Holding group companies. We will complete this project within 3 years with a total installed power target of around 2 GW.





This investment also stands as a preparation to use hydrogen instead of fossil fuels in iron and steel production. We will establish an integrated green energy system by using some of the electricity obtained from SPP in hydrogen production in the next stage.

EPD documents

TOSÇELİK Profil ve Sac

EPD®
THE INTERNATIONAL EPD® SYSTEM

**Environmental
Product
Declaration**

In accordance with ISO 14025 and EN 15804:2012+A2:2019 for:

Bare ERW Steel Pipes
ERW Routed Steel

from

Tosçelik



PROGRAMME The International EPD® System www.epdint.com EPD Turkey, www.epdtrkiye.org	PUBLICATION DATE 2021-05-18
PROGRAMME OPERATOR EPD International AB & EPD Turkey	VALID UNTIL 2025-05-15
EPD REGISTRATION NUMBER SIF-04424	

An EPD should provide current information and may be updated if conditions change. The stated validity is therefore subject to the continued registration and publication at www.epdint.com.

**Environmental
Product
Declaration**

EPD® TÜRKİYE **EPD®** TÜRKİYE
THE INTERNATIONAL EPD® SYSTEM THE INTERNATIONAL EPD® SYSTEM

TOSYALI Filmaşın ve İnşaat Demiri

In accordance with ISO 14025 and EN 15804:2012+A2:2019 for:

Rebar Mill

from

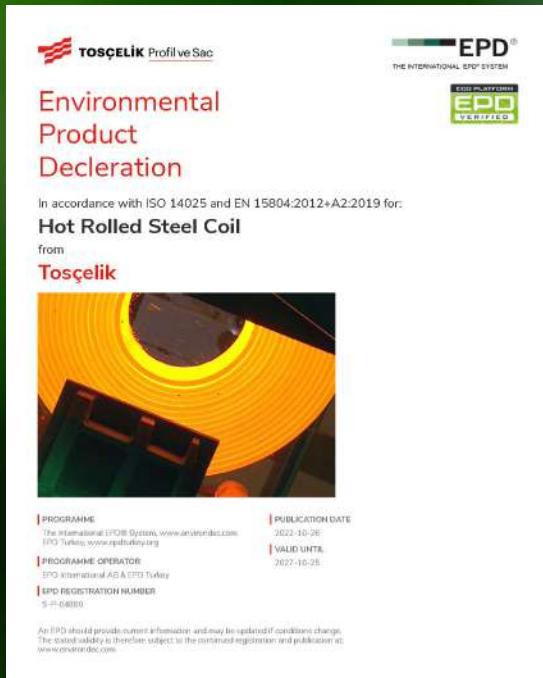
Tosyalı Filmaşın ve İnşaat Demiri



PROGRAMME The International EPD® System www.epdint.com	EPD REGISTRATION N° SIF-04029
PROGRAMME OPERATOR EPD International AB	PUBLICATION DATE 2022-06-01
LOCAL OPERATOR EPD Turkey	VALIDITY DATE 2027-02-01

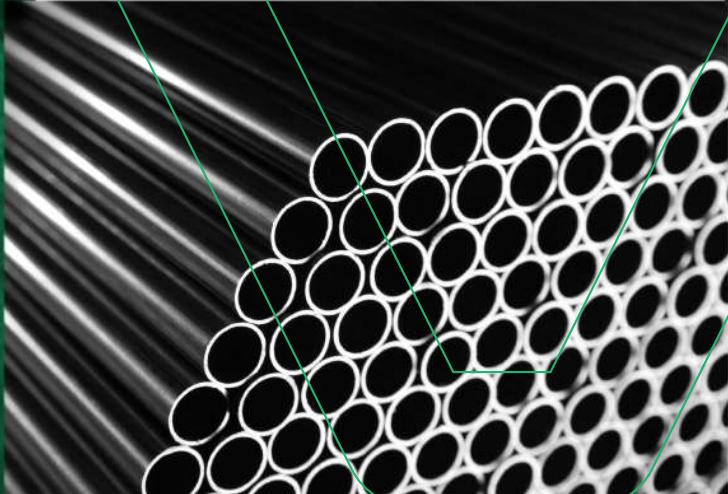
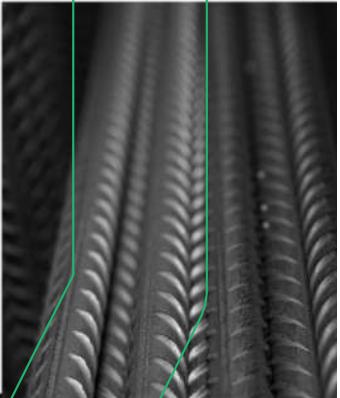
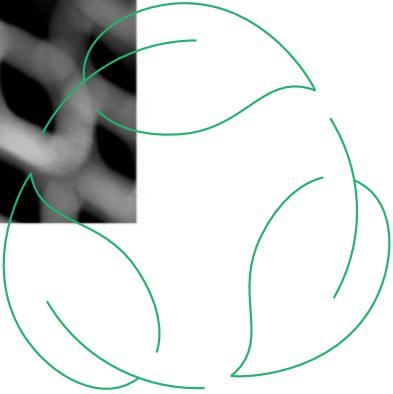
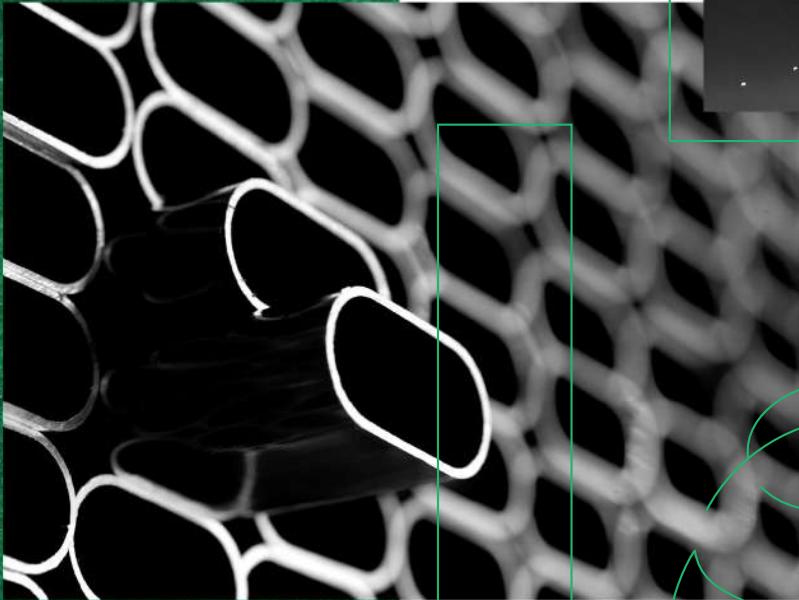
An EPD should provide current information and may be updated if conditions change. The stated validity is therefore subject to the continued registration and publication at www.epdint.com.

As Tosyalı Holding, we produce steel with the lowest carbon footprint thanks to our long run efforts towards decarbonization. We invest in high technologies, generate energy from renewable energy sources, produce with a high scrap rate and recycle in every touch point.



We have made significant progress in calculating and documenting the carbon footprint on a product basis. We have received the EPD (Environmental Product Declaration) Certificate for our products, in accordance with the ISO 14025 standard, which declares the environmental impact of the products throughout their life cycle. While performing the EPD certification of our products, we carried out LCA (Life Cycle Assessment), which is a method that evaluates all environmental dimensions throughout the life cycle of the product. All our EPD values are validated by internationally accredited corporations.

To provide an example here we emit 624 kgCO₂e for the EAF route hot rolled sheet metal we produce at our Tosçelik Profil ve Sac Company in Turkey which is one of the lowest record in the world, providing strong competitiveness and added value in the EU Green Deal process.



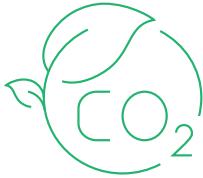
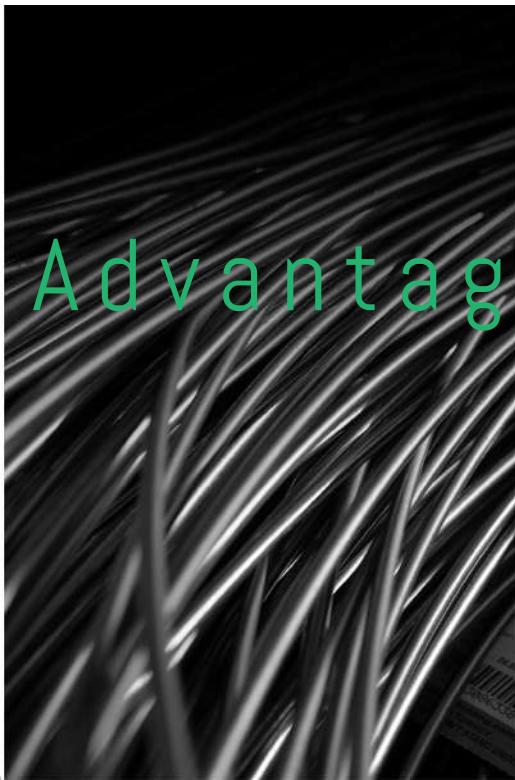
Advantages of V-GREEN[®] for consumers



TOSYALI

V-GREEN[®]

for consumers



Mitigating and adapting to climate change are among the main challenges of our century. The basis of these difficulties is the world's general energy consumption and dependence on fossil fuels. The scientific report prepared by the Intergovernmental Panel on Climate Change (IPCC) also emphasizes the urgency of limiting global warming to 1.5 C. In order to be successful in limiting global warming, we must use energy efficiently and at the same time use clean energy sources without wasting any time.

As Tosyali Holding, we continue to invest in renewable energy resources to combat climate change and continue our adaptation efforts within the scope of the European Green Deal. We have established a special team on this issue and started working within the framework of the Carbon Border Adjustment Mechanism. We produce products with a low carbon footprint by producing with renewable energy and using high technology in all production systems. After 2026, in the CBAM Implementation Period, we will contribute to our customer's competitive advantage as the leading green steel producer in our industry, with our production with a low carbon footprint.



Prosider International Trading

Costel Noe // General Manager

I would like to express our appreciation for your efforts in investing in the reduction of the carbon footprint and the positive impact it has on our collaboration. Your sustainability initiative not only reflects a genuine concern for the environment but also brings significant benefits in terms of the competitiveness of the goods provided.

Ecological Responsibility: We are pleased to observe your commitment to reducing the environmental impact, a testament to your ecological responsibility. This attention to sustainable practices demonstrates a long-term vision and contributes to building a strong and trusting business relationship.

Efficiency and Associated Savings: Initiatives to reduce the carbon footprint can bring significant economic benefits. Beyond the positive environmental impact, these efforts can contribute to operational efficiency and long-term cost savings, further solidifying our collaborative relationship.

In conclusion, we are delighted to collaborate with a partner attentive to environmental aspects and committed to sustainable practices. We look forward to continuing this collaboration and we are confident that this direction will bring mutually beneficial outcomes.

Ronly Ltd

Carl Roberts // Senior Director

"Sourcing our material from Tosyali Group is significant for us as we want to be seen as supporting their ambition to reduce carbon emissions, thus resulting in a greener planet for us all to live in"

SC Green Stal Trading SRL

Florea Cosmin Petre // Commercial Director

Since we founded the company, middle of 2008, we were inspired by the idea that the future of industry will be GREEN, that's why we named the brand-new founded company GREEN STAL (STAL is a middle word between the German "stahl" and Romanian "instal"). Going further, the idea of green starting to amplify in all European countries.

For sure the companies who started to invest early in clean technologies will win and will remain active. Toscelik understood for many years this fact and made some huge investments in these technologies. They are continuously improving for 10 years.

Sooner or later, in order to sell in EU you should be a green producer, we as Green Stal started to differentiate suppliers function of their production facilities and their focus to become green. We really believe that our partnership with TOSCELIK will be stronger during this green revolution which, for sure, comes.

Marubeni-Itochu Steel Europe GmbH

Kentaro Haga // Sales Marketing Manager

Green Steel is very important and we are also following up CBAM issue in EU. It's glad to know Tosyali Group is planning to deliver CBAM calculations in January 2024. Most of Asian mills are producing steel products including wire rod by Blast Furnace. So we are sure that your steel making process has a lot of advantage in terms of CBAM.

All Steels

Tom McDougall // Commercial Director

All Steels Trading Ltd has chosen Toscelik as our strategic long term partner since we started trading in 2006. We see Toscelik as a forward thinking Mill. Green Steel is the way forward and Toscelik is showing huge steps forward with investments striving for a Greener future. All Steels is proud to be the face and partner for Toscelik in the UK market.

RÜTTGER Stahlhandel GmbH

Rainer John // General Manager

The energy and climate crisis affects us all on this planet. We are all in this together. The massive rise in energy costs in the EU has caused commercial damage to industry and had a major impact on economic growth.

RÜTTGER Stahlhandel, as Toscelik's largest EU customer, is aware of its obligation to support and accompany the steps that our most important supplier of steel tubes is taking towards green steel. Like Toscelik, we have therefore equipped all of our steel warehouses and office buildings with photovoltaic modules. This enables us to cover a large part of our electricity requirements. We are following the construction of the new steel furnace at Tosyali mill, which not only saves a considerable amount of energy but also 30% CO₂, with great interest. We are convinced that Toscelik and RÜTTGER Stahlhandel will motivate many other companies to make environmentally friendly investments by setting a great example.

Mitaş

In these days when we are facing the damage we cause to nature and our planet with climate crisis, difficulties in living conditions and diseases, of course, as producers in Turkey, taking part in production and employment with a high level of environmental sensitivity is a very valuable situation that we support. I congratulate Tosyali Holding for taking part in this context. I hope that we will create working environments that are more compatible with nature, where our carbon footprint is even smaller, and we will always maintain this goal.

Kamaridis Global Wire Group

George V. Kamaridis // Managing Director

We are impressed by the strides Tosyali Holding is making in embracing technology, innovation, and sustainability. Your commitment to reducing the carbon footprint in steel production is not only commendable but also aligns with the global shift towards environmental responsibility. In the pursuit of producing entirely green steel, we believe that investing in green energy sources would be a strategic and impactful move. Expanding the production of renewable energy, particularly through wind farms and solar parks, could significantly enhance your efforts to reduce carbon emissions further. Such investments would not only contribute to a more sustainable production process but also position Tosyali Holding as a leader in the green steel revolution.

The idea of diversifying into wind and solar energy resonates with the current trends in sustainability and would be an excellent addition to your portfolio. These renewable energy sources are key to achieving a greener and more sustainable industrial future. By increasing the production capacity of green energy, Tosyali Holding can set a new standard in the industry, further solidifying its commitment to environmental stewardship. We encourage Tosyali Holding to continue on this commendable path towards green steel. Your efforts are a beacon of hope for a more sustainable industrial world. We look forward to seeing the continued progress and innovations from your esteemed company in this field.