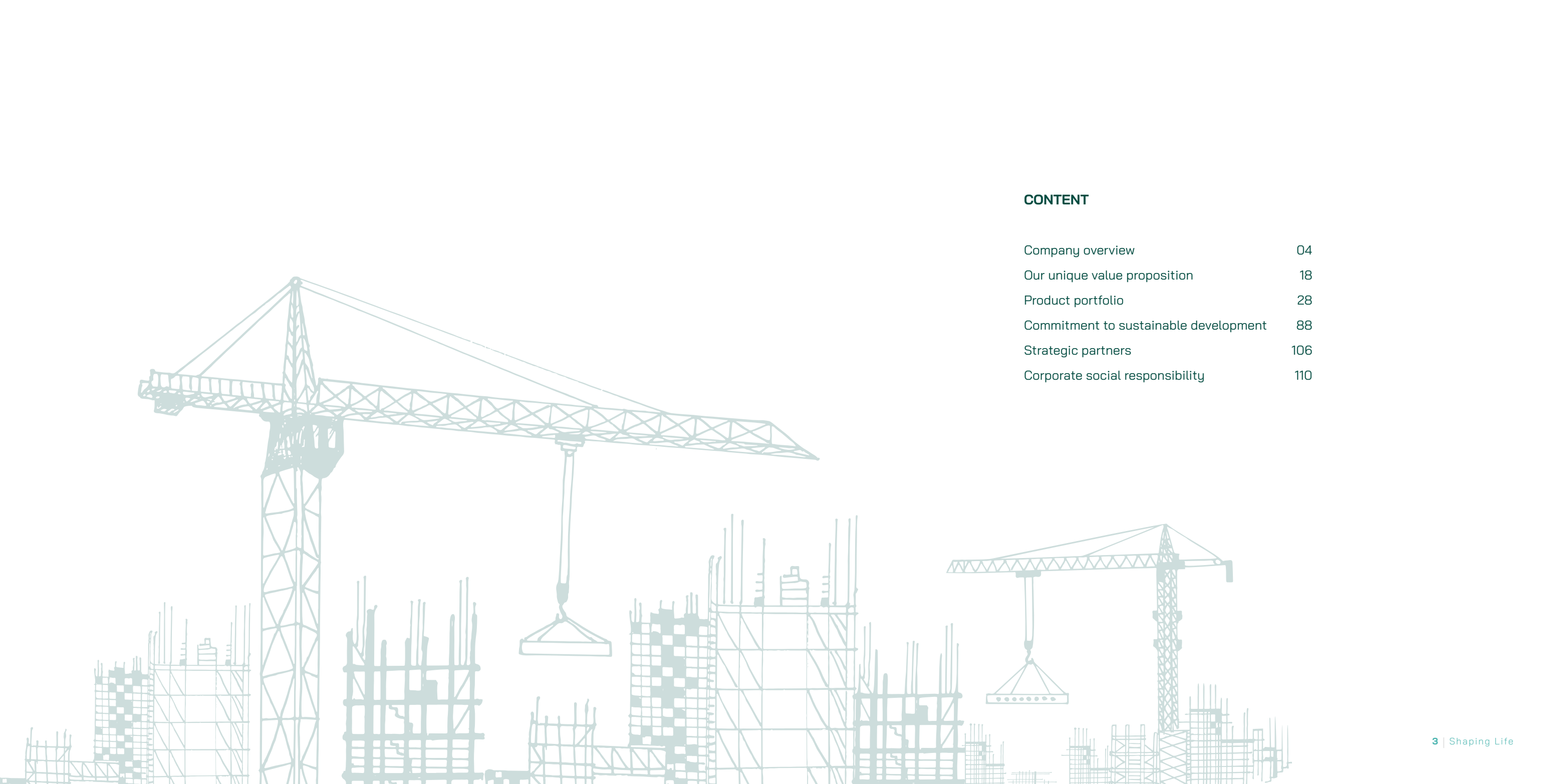




Empowering Industries,  
Enhancing Lives



## CONTENT

Company overview	04
Our unique value proposition	18
Product portfolio	28
Commitment to sustainable development	88
Strategic partners	106
Corporate social responsibility	110



**COMPANY OVERVIEW**

## Stavian Industrial Metal – A member of Stavian Group

Stavian Industrial Metal Joint Stock Company (abbr. “Stavian Industrial Metal”) is proud to be a member of Stavian Group - a large-scale multinational industrial, technology, and trading conglomerate with an extensive global network of customers and partners, distinguished by numerous remarkable achievements.



## Stavian Group – A multi-national industrial company

Founded in  
**2009**

Revenue  
**~ USD 3 billion (2024)**

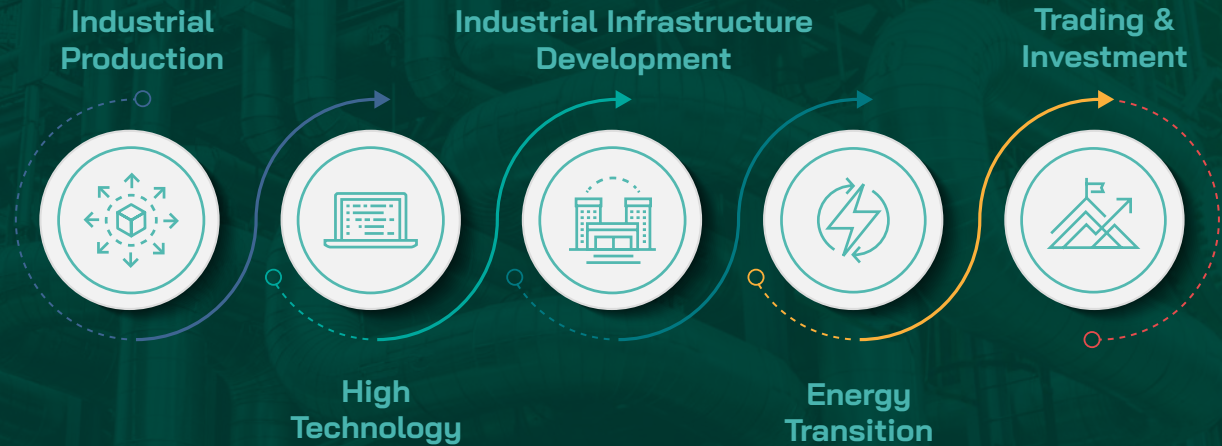
Customer network  
**> 20,000 local & international customers & partners**

Market presence  
**> 100 countries & territories**

Global facilities  
**30+ international offices**  
**40+ worldwide logistics hubs**

**10+ manufacturing factories**

## Products & Services



**Awards & Achievements**



**01** Stavian Chemical ranked **#219** of **Fortune Southeast Asia 500 (2025)**

**01**

**02**



**02** Stavian Chemical ranked **#15** of **ICIS's Top 100 Chemical Distributors 2025**



**03** Stavian Chemical received the **Corporate Excellence award**, and Mr. Dinh Duc Thang, Chairman & CEO of Stavian Chemical, was awarded **Master Entrepreneur at the Asia Pacific Enterprise Awards 2022**



**04** Stavian Chemical is honored to receive the **Vietnam Gold Star Award 2024**



**05** Mr. Tony Dinh (Chairman & CEO) named **Vietnam Outstanding Young Entrepreneur of 2022** at The Red Star Awards



**06** Stavian Group received "HR Asia Best Companies to Work for in Asia 2022" award



**Top 21**  
In VNR500 among the Top 500 Largest Private Enterprises in Vietnam (2023)



**Top 325**  
Among Vietnam's 1000 largest corporate income taxpayers (V1000-2022)



**Top 136**  
Among Vietnam's 200 largest budget-contributing enterprises in Vietnam (VNTAX - 2024)

**07** Stavian Chemical ranked **#21** in **VNR500 among the Top 500 Largest Private Enterprises in Vietnam (2023)**, ranked **#325** among Vietnam's 1000 largest corporate income taxpayers (2022), and ranked **#136** among Vietnam's 200 largest budget-contributing enterprises in Vietnam (2024)



**08** Stavian Group is honored to become **TOP 3 Employer of Choice** in 2022



**09** Stavian Group wins **double honours at Vietnam Industrie 4.0 Awards 2025**

## About Stavian Industrial Metal

### Vision

To become one of Southeast Asia's TOP 10 largest companies in the field of industrial metal processing, investment and trading, contributing to promoting prosperous and sustainable development for the global industry.

### Mission

Creating the utmost values for customers, shareholders, personnel, the community and natural environment through sustainable business.

### Products & Services

Trading and distribution of industrial metal materials including 4 key product groups:

- **Steel**
- **Aluminum**
- **Copper**
- **Zinc**

In addition, Stavian Industrial Metal has been actively advancing our global trading and processing operations, gradually expanding into investment partnerships, joint ventures and production scale-ups while guaranteeing output distribution to fulfill market demands.

### Business philosophy

- Customer centricity is not only our business strategy but also part of our culture, together with integrity, intelligence and outstanding service quality.
- We do not aim for growth, we aim for sustainable growth. By creating a comprehensive ecosystem, we create utmost values to our stakeholders, our employees, every community where we operate across the world and last but not the least - the global natural environment.
- At Stavian Industrial Metal, we strive towards the goal of "Shaping Life".

### Core values

Ownership      Devotion      Ingenuity      Integrity      Internationality



## BOARD OF DIRECTORS

### Mr. David Nguyen

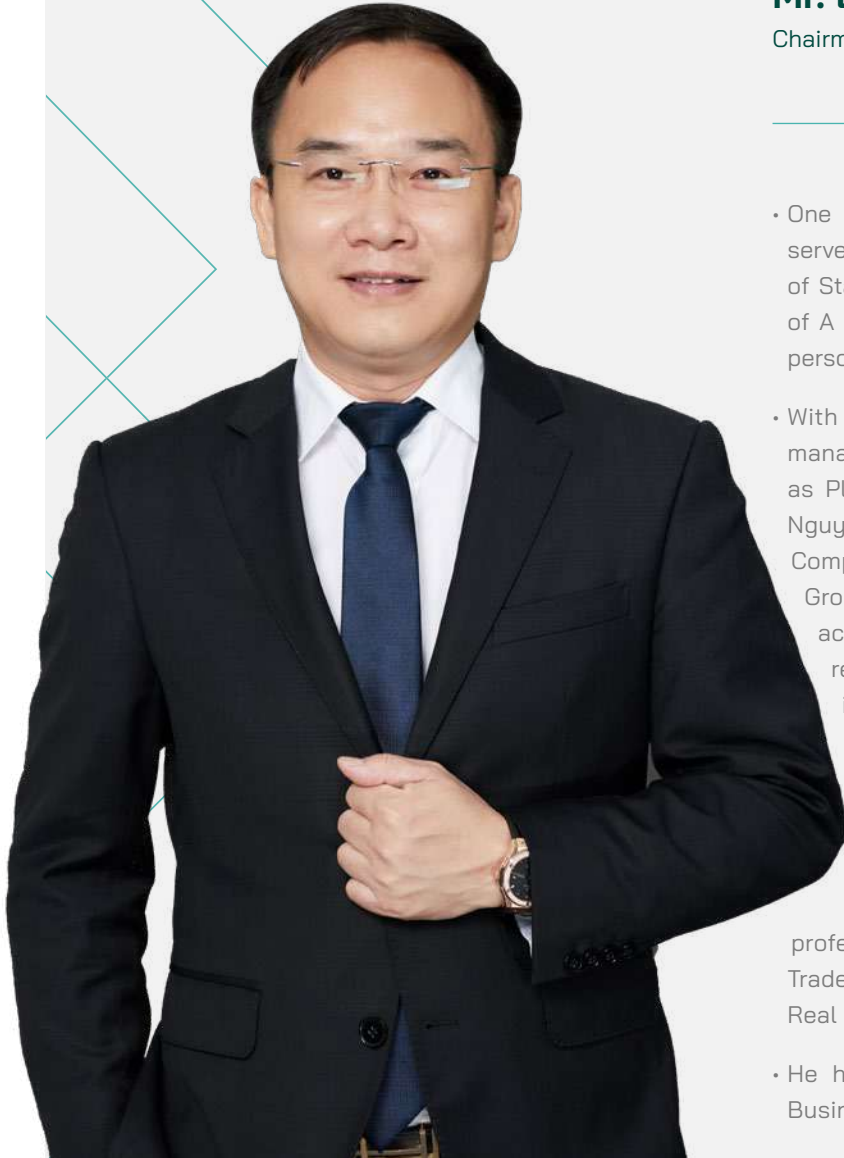
Chairman

- One of the founder, Mr. David Nguyen currently serves as the Vice Chairman of the Board of Directors of Stavian Group. Prior to this role, he was the CEO of A Chau Plastic Company (2002 - 2009) and key personnel at VINAMOTOR (2002 - 2008).
- With over 20 years of experience in business, management, and operations in industries such as Plastics, Sulfur, Logistics, and more, Mr. David Nguyen has worked with large-scale enterprises. Companies under his leadership, including Stavian Group and Stavian Chemical, have consistently achieved impressive business results, receiving recognition and high rankings from reputable international organizations. His exceptional leadership skills have been repeatedly acknowledged through important awards from the Government, Ministries, and National Agencies.
  - Mr. David Nguyen has a broad and strong professional network in various fields including Trade, Finance, Banking, Construction Materials, Real Estate, M&A, and more.
- He holds an MBA degree from the International Business University of Scandinavia.

### Mr. Justin Nguyen

CEO

- With over 17 years of senior management experience in the plastics and industrial metals industries across both domestic and international markets, Mr. Justin Nguyen demonstrates strong capabilities in developing growth strategies, executing business operations and leading large-scale multinational projects.
- A responsible and forward-thinking executive, he is recognized for his sharp business insight and readiness to embrace challenges to expand market presence and contribute to the company's sustainable growth.
- Mr. Justin Nguyen earned his Executive MBA from the University of Hawai'i and is currently based in Houston, USA.



## BOARD OF DIRECTORS



### Mrs. Flora Nguyen

Deputy General Director

- With over 16 years of extensive experience in the field of Finance and Accounting, Ms. Flora Nguyen has held several key leadership positions such as Chief Financial Officer (CFO) and Chief Accountant at large-scale, multi-sector corporations operating across healthcare, construction, trade, manufacturing, import-export, and logistics industries.
- Since joining Stavian Group from its early days of establishment and development, Ms. Flora Nguyen has taken on various senior management roles and made significant contributions that have been recognized through numerous prestigious internal awards of the Group.
- She is an expert in corporate financial analysis, comprehensive financial strategy planning, risk control, and systematic financial management, ensuring efficiency, transparency, and sustainable growth for the organization.



### Mr. Kent Mai

Deputy General Director

- Mr. Kent Mai has over 16 years of experience in Design Consulting, Construction and Project Management, particularly in Industrial and Residential Real Estate Projects.
- He is an expert consultant and advisor in market trend analysis and product structuring for various Real estate - Construction projects, gaining him extensive experience in the domestic and international trade of industrial metal materials.
- Mr. Kent graduated from Hanoi University of Civil Engineering.



### Mrs. Johanna Vu

Chief Strategy Officer

- Mrs. Johanna Vu has over 15 years of extensive experience in key management roles across strategic and business development, supply chain management, finance, investment, ESG, and sustainability. She has contributed significantly to enhancing business growth and competitiveness for enterprises.
- As Chief Strategy Officer (CSO) of the company, Ms. Johanna Vu is responsible for corporate strategic development, business model design and implementation, strategic partnership development, green transition, and ESG investment. She plays a key role in shaping the company's sustainable growth vision.
- She holds a Master's degree in Business Administration from Sweden, completed the Global Management Program on Green Transition funded by the Swedish Institute, and the ESG Investment Program organized by the Principles for Responsible Investment (PRI).

## Working environment

Inheriting Stavian Group's strategy "Stavian - Happy Human Resources", we have created a working environment where the concept of Human Resources (HR) is redefined as "Happy Relationships."

"At Stavian Industrial Metal, we offer you more than just a job; we offer you a career."



*"At Stavian Industrial Metal, we offer you more than just a job; we offer you a career"*



**OUR UNIQUE VALUE  
PROPOSITION**

**SUPPLY CHAIN DIAGRAM**



We're bridging industrial metal material suppliers worldwide with thousands of businesses across various industries in Vietnam and abroad:

## 5 COMPREHENSIVE TRADING AND PROCESSING MODELS

We erect 5 comprehensive trading and processing models to enhance the company's competitiveness and operational position, minimize risks and optimize profits, thereby strengthening the capability to meet supply, processing and trading needs for customers. These models include:


- 1** *Buy locally - Sell locally*  
*Processing locally - Sell locally*
- 2** *Buy locally - Sell internationally*  
*Processing locally - Sell internationally*
- 3** *Buy internationally - Sell locally*  
*Process internationally - Sell locally*
- 4** *Buy internationally - Sell internationally*  
*Process internationally - Sell internationally*
- 5** *Local trading within the host country*  
*Processing in host country - Selling in host country*



# 24 OUTSTANDING BUSINESS SOLUTIONS

With a philosophy centered around customers' needs, we deeply understand the challenges our customers face in their operations and activities both domestically and internationally. Therefore, we continuously develop innovative business solutions to fully support every need of our domestic and international customers.

## Domestic Business Solutions

- 1 |  Spot shipment at good price
- 2 |  Import cargo – signing contracts with oversea branches of SIM
- 3 |  Formula price – Term contract
- 4 |  Offtake principle contract
- 5 |  Domestic cargo 6-month deferred payment after delivery
- 6 |  On-spot import/export
- 7 |  Co-investment contract
- 8 |  Supply raw materials  
Guarantee sales of finished products
- 9 |  Purchase material with installment payment
- 10 |  Purchase with open credit
- 11 |  Purchase with credit card
- 12 |  Purchase with credit over-draft
- 13 |  Purchase with deferred payment in VND, get preferential interest rate in USD
- 14 |  Entrusted export/import
- 15 |  All-in Logistics services
- 16 |  Factory key collateral
- 17 |  Machine leasing
- 18 |  Good derivatives
- 19 |  Carbon credit services

## International Business Solutions

- 1 |  International purchasing - Deferred payment with Competitive interest rates
- 2 |  International commodity derivatives
- 3 |  Cross-border trade
- 4 |  International purchasing Unsecured deferred payment
- 5 |  International business entrustment

## Global distribution network

- We have built a swift and effective domestic distribution network through a system of warehouses and offices in Hanoi, Hai Phong and Ho Chi Minh City.
- Additionally, inheriting reliable cooperative relationships with partners in over 100 countries and territories where Stavian Group operates, we are confident in our ability to best meet the needs of both domestic and international customers.
- With the advantage of our network and the international trade experiences of our key personnel, Stavian Industrial Metal is increasingly asserting its position as a large-scale industrial metal trading company. We not only excel in serving the Stavian Group's ecosystem but also possess full capacity to supply materials for large enterprises in the industrial sector, both domestically and internationally.



# PRODUCT PORTFOLIO

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Stavian Industrial Metal offers a diverse portfolio of high-quality industrial metal products. We are committed to providing customers with genuine products that adhere to manufacturer

specifications, meet both Vietnam's and international quality measurement standards, along with dedicated and exceptional customer service.

## The 4 Main Product Categories Distributed by Stavian Industrial Metal Include

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### 1. STEEL

- Iron ore
- Steel billet
- Hot-rolled coil
- Cold-rolled coil
- Coated steel
- Construction steel
- Shipbuilding steel

### 2. ALUMINUM

- Alumina
- Aluminum ingot
- Aluminum billet
- Finished and semi-finished aluminum products

### 3. COPPER

- Copper cathode
- Copper wire

### 4. ZINC

- Zinc ingot
  - Zinc alloy
- 





01. STEEL

### 1.1 Iron ore

Iron ore distributed by Stavian Industrial Metal is carefully tested and certified by SGS. We also provide transparent origins for our products.

In addition to quality commitment, our company is also committed to abundant reserves, output and infrastructure to ensure uninterrupted trading activities.

CATEGORIES	DETAILS
<b>Origins</b>	Global producers
<b>Size</b>	Fine size: 0.15 – 6.3mm Lump size: 6.3 – 40.0mm
<b>Chemical Composition</b>	<ul style="list-style-type: none"> <li>• Fe: 60.0 – 68.0%</li> <li>• SiO<sub>2</sub> ≤ 4.5%</li> <li>• Al<sub>2</sub>O<sub>3</sub> ≤ 2.5%</li> <li>• P ≤ 0.15%</li> <li>• S ≤ 0.07%</li> <li>• Moisture &lt; 4.0%</li> <li>• Microelement: specified upon request</li> </ul>



## 1.2. Steel billet

Steel billets distributed by Stavian Industrial Metal are manufactured in large-scale factories, invested in building a closed and synchronous production complex to create a continuous chain in the production of billets and finished steel.

We supply a variety of steel billets, produced by IF, EAF, and BF technology, meeting customers' requirements. Especially, customized products in large quantities are available upon customers' request.

### CATEGORIES

### DETAILS

#### Size

- Nominal size: 120×120mm, 130×130mm, 150×150mm
- Length: 6/12m

#### Grade

- CT5, 3SP, 4SP, 5SP, SD295(A)...

#### Standard

- JIS, ASTM, BS, TCVN...



**1.3. 1.3. Hot rolled coil (HRC)**

Stavian Industrial Metal provides a full range of hot rolled steel products in coils, plates and a full range of common steel grades.

The products provided by Stavian Industrial Metal are manufactured by prestigious global steelmakers such as Hoa Phat, Formosa, TATA Steel, Nippon Steel, Hyundai Steel, Baotou Steel, Shangchen Steel...

CATEGORIES	DETAILS
Coil	2 - 20mm in thickness
Plate	3 - 40mm in thickness and cut-to-order
Grade	Q235, Q195, SAE1006, SAE 1008, SS400, Q355, A36, A572...
Standard	JIS, ASTM, SAE, TIS, EN, MS, GB...



### 1.4. Cold rolled coil (CRC)

Stavian Industrial Metal provides a full range of cold rolled steel products in coils, plates, SPHC, SPCC...

Besides, we also supply sheet & coil products in primary and secondary grades from big producers around the world such as Hyundai Steel, Nippon Steel...

#### CATEGORIES

#### DETAILS

**Coil** 0,2 - 6mm in thickness

**Plate** Cut-to-order

**Type** Cold rolled coil (CR), electromagnetic coil (ES), oil coated coil (PO), 2 grade steel plates and coil...

**Standard** JIS, ASTM, EN, JFS, AS...





### 1.5. Coated steel

Coated steel refers to steel that has been treated with a protective layer to enhance its durability, corrosion resistance, and aesthetic appeal. This coating can be made from various materials, including zinc, aluminum-zinc, paint, or polymer, and is applied through processes such as galvanization, painting, or powder coating.

Stavian Industrial Metal offers high-quality coated steel products, including galvanized steel (GI), galvalume steel (GL), and pre-painted steel (PPGI/PPGL), available in diverse specifications. These products meet international quality standards such as JIS (Japan), AS (Australia), ASTM (USA), EN (Europe), ISO 9001, and ISO 14001.

**Coated steel products distributed by Stavian Industrial Metal are preferred thanks to various advantages:**

- **Corrosion resistance:** The protective coating shields the steel from environmental factors that cause rust and degradation, significantly extending its lifespan

- **Visual appeal:** Coated steel can be finished in various colors and textures, making it ideal for architectural applications and consumer products.
- **Enhanced performance:** Coated steel often demonstrates improved mechanical properties, including increased hardness and abrasion resistance.
- **Versatility:** It is widely used in applications ranging from construction materials and automotive parts to appliances and furniture.
- **Sustainability:** Many coatings can be recycled or are made from eco-friendly materials, contributing to sustainable manufacturing practices.

Overall, coated steel combines the strength of steel with added protective and aesthetic surface options, making it a popular choice across numerous industries.

CATEGORIES	DETAILS
Product	Coated steel coils, sheet, slitting coils
Coating	Zinc, Alu-Zinc, Paint, etc.
Coating thickness	<ul style="list-style-type: none"> <li>• GI: Z40-Z350 g/m<sup>2</sup></li> <li>• GL: AZ30-AZ200 g/m<sup>2</sup></li> <li>• PPGI/PPGL: Paint layer thickness of 5-30 microns with a variety of surface finishes (PE, ME, EP, PVDF, textured coatings, etc.)</li> </ul>
Steel thickness	<ul style="list-style-type: none"> <li>• GI: 0.30-3.0mm</li> <li>• GL: 0.18-2.0mm</li> <li>• PPGI/PPGL: 0.28-1.20mm</li> </ul>
Width	600 – 1500mm
Standards	JIS, EN, ASTM...
Applications	Roofing sheets, panels, structural components, etc.

## 1.6. Construction steel

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Stavian Industrial Metal specializes in distributing a wide range of steel products for large-scale projects and construction, including infrastructure, civil and industrial projects.

Our construction steel portfolio includes rebar steel, wire rods, structural steel, section steel, pre-painted steel, and various specialized steel types produced by reputable large-scale manufacturers, meeting the quality standards of Vietnam and numerous international markets.





### 1.6.1. REBAR STEEL

#### Size

- D6 - D32

#### Quality Standard

- JIS, TCVN, BS, ASTM

#### Grade

- SD295
- CB240T
- Grand 40
- CB300V,  
CB400V,  
CB500V

#### Applications

- Civil construction
- Transportation & port infrastructure
- Industrial parks, factories

### 1.6.2. WIRE ROD

#### Size

- D6 – D8

#### Quality Standard

- TCVN, ASTM, JIS, BS

#### Grade

- SAE 1006, SAE 1008
- SAE 1012, SAE 1015, SAE 1018
- SAE 1022

#### Applications

- Civil construction
- Transportation & port infrastructure
- Industrial material production



### 1.6.3. STRUCTURAL STEEL PLATE

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#### Size

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- Cast plates
- Cut plates

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#### Quality Standard

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- ASTM, JIS, EN, GB/T, ISO

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#### Grade

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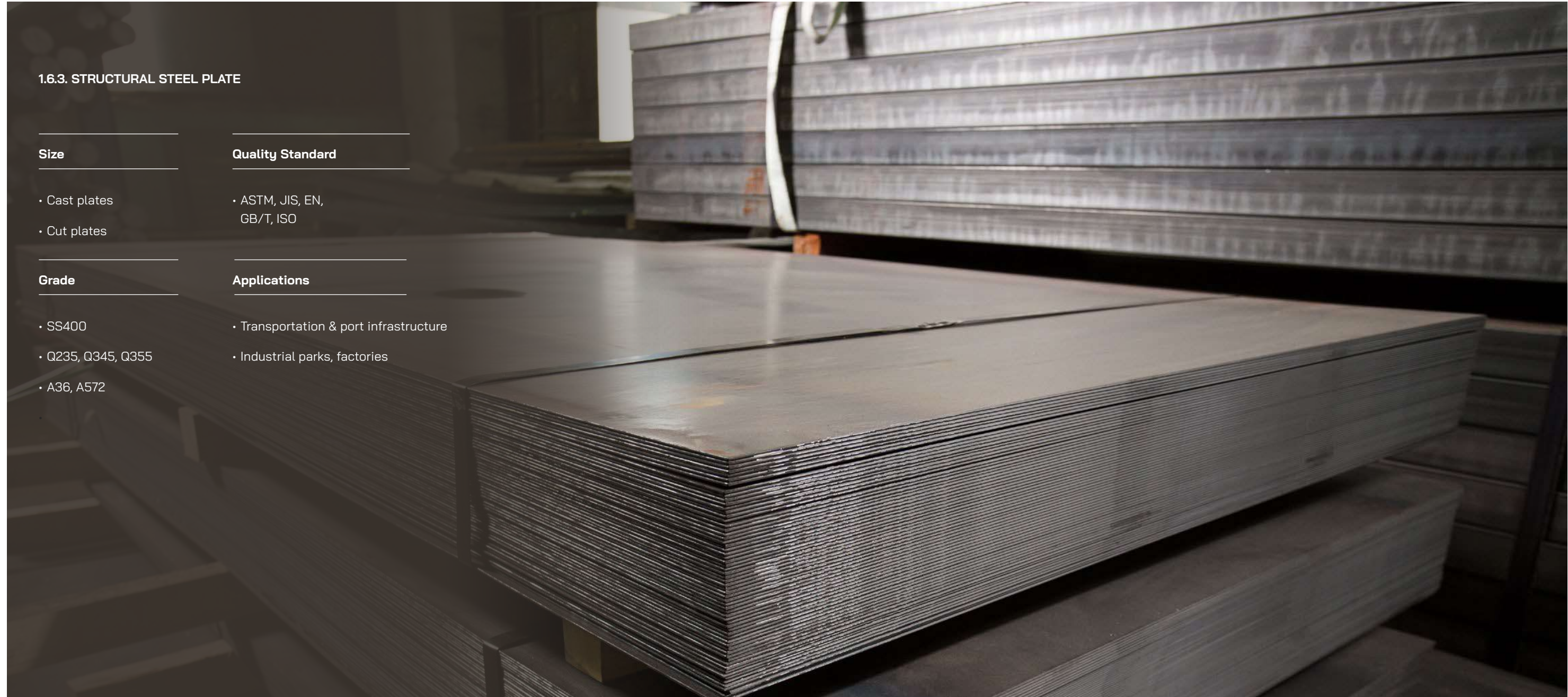
- SS400
- Q235, Q345, Q355
- A36, A572

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#### Applications

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- Transportation & port infrastructure
- Industrial parks, factories



#### 1.6.4. SECTION STEEL

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##### Size

- L40 – L150
- C8 – C16
- I10 – I15
- Other sections, tubes, boxes, galvanized or black purlins

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##### Grade

- SS400, SS540
- CT34, CT38, CT42

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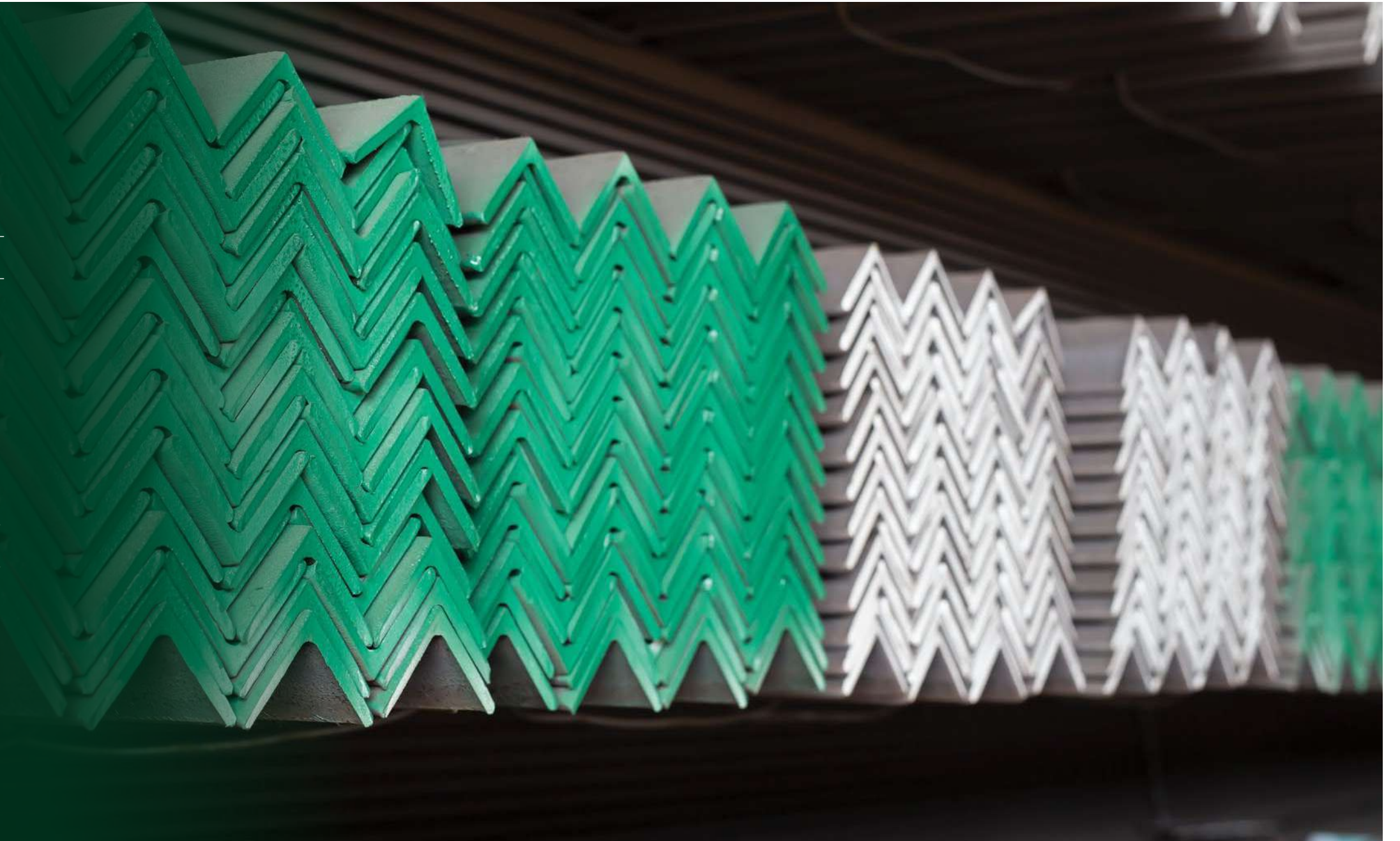
##### Quality Standard

- TCVN, JIS

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##### Applications

- Industrial parks, steel structure factories



1.6.5. PRE-PAINTED COATED STEEL

**Size**

- Width: 1200mm
- Various coating weight and colors

**Quality Standard**

- BS, EN, JIS

**Grade**

- G350 – G550

**Applications**

- Civil and industrial constructions

### 1.6.7. SPECIALIZED STEEL

Elastic steel, S45C machining steel,  
Russian-standard steel arch for mining...

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#### Applications

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- Machinery and industrial equipment manufacturing
- Mining industry applications



## 1.7. Shipbuilding steel

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Stavian Industrial Metal is a large-scale distributor of raw materials for the shipbuilding industry, both domestically and internationally. Our product offerings include Steel plates, Section steel, and Bulb flat, all certified by national and international classification organizations.

Shipbuilding steel is known for its superior thickness and hardness, providing exceptional durability and corrosion resistance. These properties enable ships to withstand the pressures of marine environments effectively. Additionally, the excellent weldability of shipbuilding steel makes fabrication and assembly more efficient and reliable.

Today, with technological advancements, shipbuilding steel has been continuously improved in quality and application. This material is used not only in the construction of commercial vessels but also in military and cruise ships, significantly contributing to overall socioeconomic development.





## 02. ALUMINUM

## 2.1. Alumina

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Alumina, also known as aluminum oxide ( $Al_2O_3$ ), is extracted from bauxite ore found in tropical and subtropical regions. This material is crucial in aluminum production – a metal anticipated to experience significant growth as we transition toward a low-carbon economy.

Alumina distributed by Stavian Industrial Metal is extracted and refined using the Bayer process, ensuring compliance with international standards.

CATEGORIES	DETAILS
Origin	Global
Particle size	Particles <45 microns: maximum 12%; particles >150 microns: maximum 10%
Composition	<ul style="list-style-type: none"><li>• <math>Al_2O_3</math> content: 98.5% - 98.78%</li><li>• Impurities: Clarified upon request</li></ul>



## 2.2. Aluminum ingot

Stavian Industrial Metal provides high-quality aluminum ingots which are raw materials for the production of aluminum alloys (aluminum billet) and final aluminum profiles.

All products offered by Stavian Industrial Metal are well-sourced and have clear origins, produced by world's leading suppliers such as Rio Tinto, Alcoa, Vedanta, Press Metal ... and trusted by domestic and foreign markets.

CATEGORIES	DETAILS
Grade	<ul style="list-style-type: none"> <li>Al99.90 / Al99.85 / Al99.70 / Al99.60 / Al99.50 / Al99.00 / Al99.7E / Al99.6E</li> <li>Al 99%-99.9% min</li> <li>Other: Al96 or ADC-6, ADC-12 / A-413, A360...</li> </ul>
Appearance & Weight	Silvery white color, approximately 20-25 kg per ingot, or as per specific standards of each manufacturer



### 2.3. Aluminum billet

Stavian Industrial Metal provides aluminum billets of various types, serving the aluminum extrusion industry.

Our products are manufactured in large and reputable factories, meeting technical standards and are eligible for export.

Depending on customer requirements, billet products are cut to length or molded to many diameter sizes.

CATEGORIES	DETAILS
<b>Grade</b>	6063, 6061, 6005...
<b>Diameter</b>	4 inches – 14 inches
<b>Applications</b>	Used to produce aluminum profiles and extrusions for curtain walls, exterior glass facades, sunshades, supporting industries, and interior/exterior decoration, etc.
<b>Standards</b>	BS, ASTM, JIS...

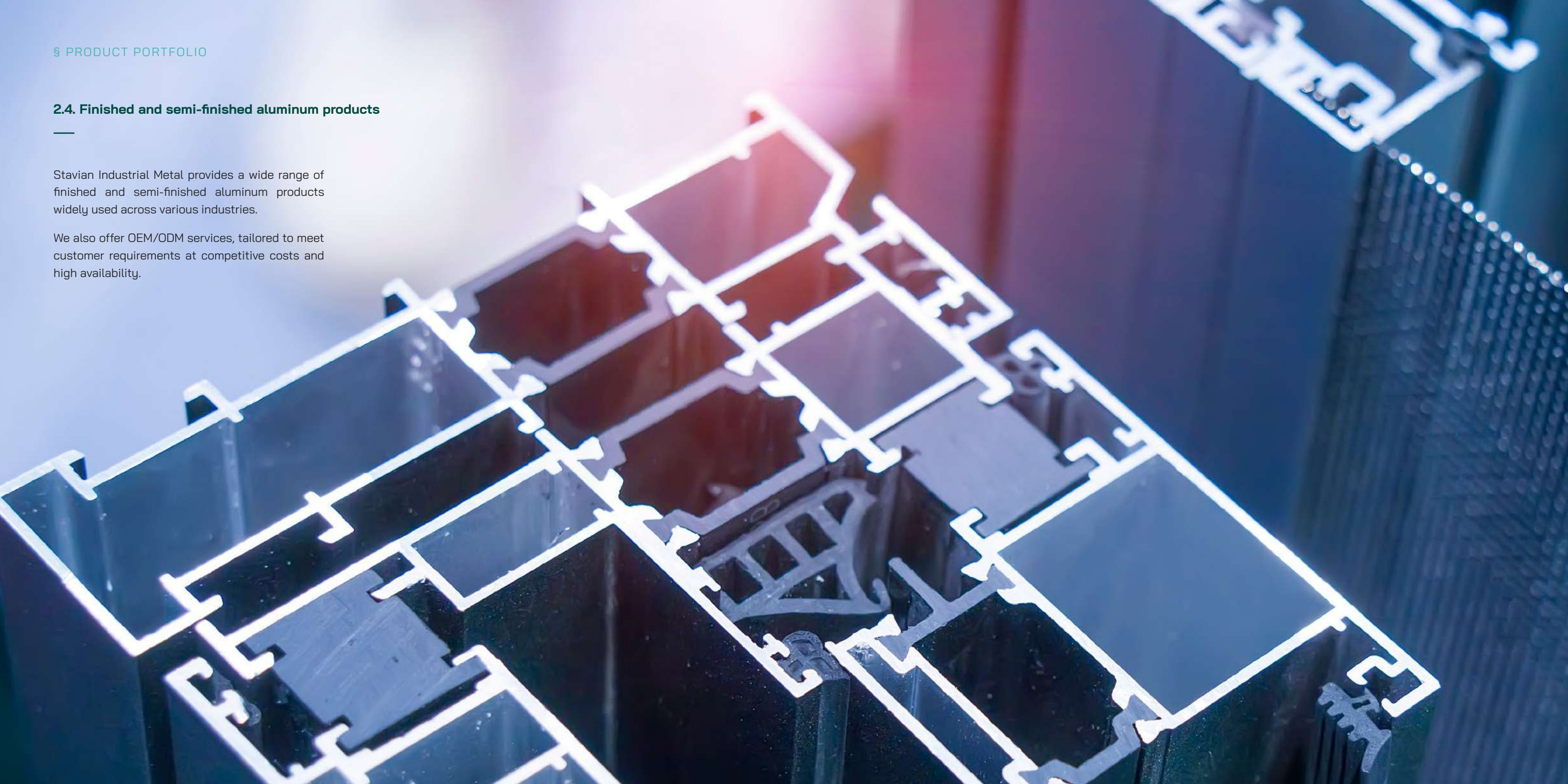


#### 2.4. Finished and semi-finished aluminum products

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Stavian Industrial Metal provides a wide range of finished and semi-finished aluminum products widely used across various industries.

We also offer OEM/ODM services, tailored to meet customer requirements at competitive costs and high availability.



### 2.4.1 ALUMINUM PROFILES

#### Grade

6061, 6063,  
6082, 6101...

#### Technical standards

ISO 6362-1:2012  
ASTM B221

#### Applications

Widely used in industries such as architecture & interiors, solar energy, and thermal solutions (heat dissipation), etc.

#### Quality standards

Ensures straightness, flatness, angular tolerance, and precise perpendicularity as per ISO 6362-1 and ASTM B221 standards.



### 2.4.2 ALUMINUM WIRE

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#### Grade

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EC – AL: 1350 & 1070

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#### Technical standards

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EN 1715, ASTM B230/B230M

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#### Applications

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Used in the production of electrical wires, cables, and other electronic components.

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#### Quality standards

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High conductivity, good tensile strength, and oxidation resistance in compliance with EN and ASTM standards.





### 2.4.3 ALUMINUM SHEETS

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#### Grade

Seri 1xxx, 3xxx, 5xxx,  
6xxx, 8xxx

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#### Technical standards

EN 485-2, ASTM B209

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#### Applications

Applied in automotive,  
aerospace, construction,  
and home appliance  
industries.

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#### Quality standards

High ductility, durability,  
and excellent machinability,  
ensuring dimensional and  
shape tolerances per EN and  
ASTM standards.

#### 2.4.4 ALUMINUM COILS

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##### Grade

---

Seri 1xxx, 3xxx,  
5xxx, 8xxx

---

##### Technical standards

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EN 573-3, EN 485-4,  
ASTM B209

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##### Applications

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Used in roofing, wall  
cladding, packaging  
manufacturing, &  
household products.

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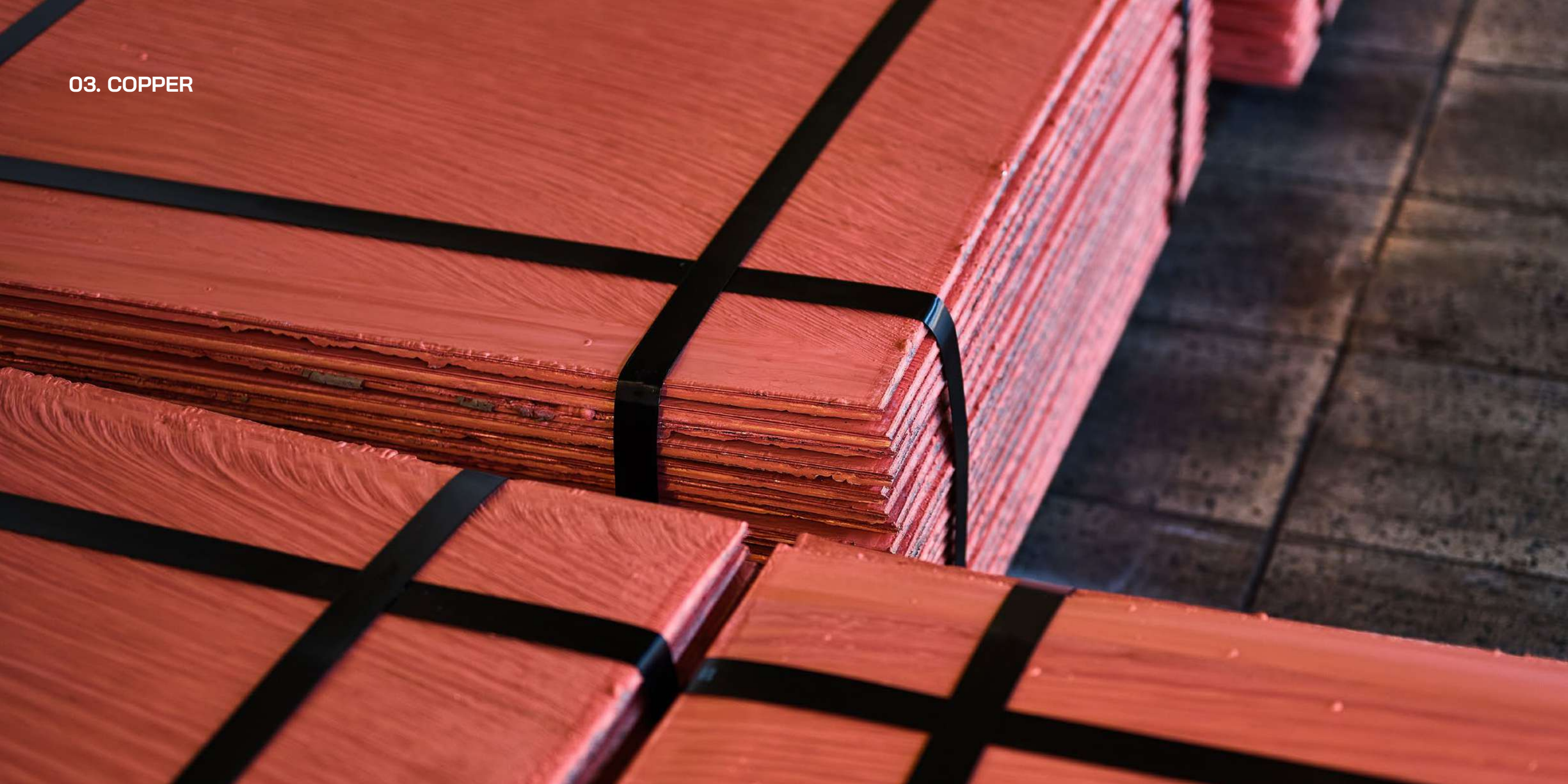
##### Quality standards

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High ductility, durability,  
and excellent machinability,  
ensuring dimensional and  
shape tolerances per EN and  
ASTM standards.



03. COPPER



### 3.1. Copper cathode

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Stavian Industrial Metal specializes in distributing high-purity copper cathodes, meeting strict domestic and international quality standards.

These products are widely used by customers in the production of copper wire, finished copper products, and more. They are essential across various industries, including electrical, industrial, mechanical, architecture, construction, and electronic components.

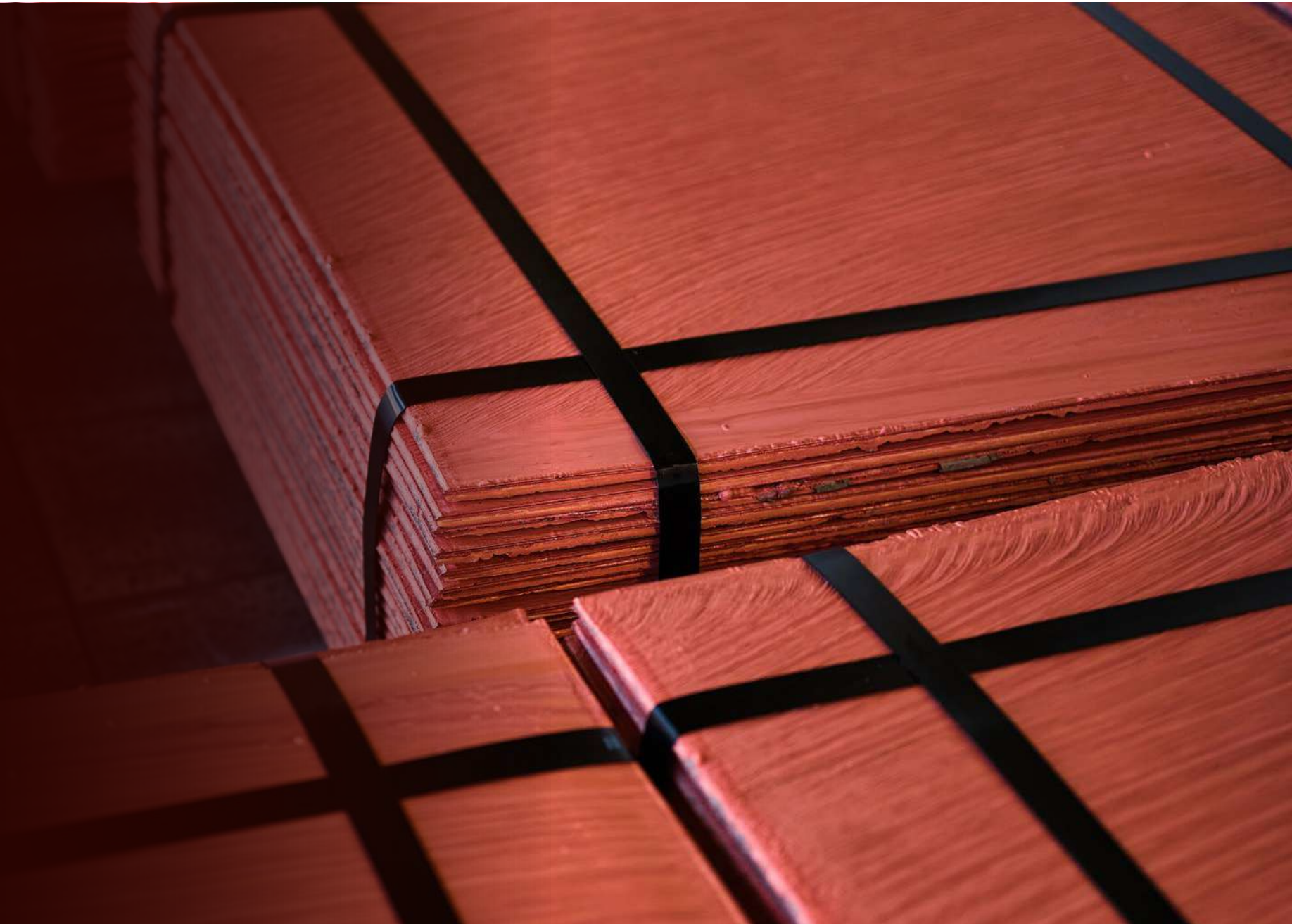
<hr/> <b>Purity</b> <hr/>	<hr/> <b>Standards</b> <hr/>
≥ 99.99%	BS EN 1978:2022 - Cu-CATH-1 GB/T 467-2010 - Cu-CATH-1 ASTM B115-10 (2021) - Cathode Grade A

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**Size**

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Sheet thickness ranges from 6mm to 16mm...  
(as per manufacturer standards)



### 3.2. Copper wire

Stavian Industrial Metal supplies a wide range of copper wire sizes, used as raw material for wire and cable companies, as well as other industries.

Our products ensure tensile strength and elongation in accordance with both domestic and international testing standards.

With an extensive distribution network and reliable sourcing from world-class manufacturers, the products we supply come with full certificates of origin and can be shipped worldwide at competitive prices.

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#### Size

Φ 2.6 / 3.2 / 8 mm...

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#### Standards

JIS, ASTM, BS, DIN

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#### Packaging

Copper wire products, including drawn and stranded wire, can be manufactured and packaged according to customer requirements.





04. ZINC

#### 4.1. Zinc ingot

Stavian Industrial Metal supplies high-purity Zinc Ingot, primarily used in the plating and galvanizing industries.

All zinc ingots distributed by Stavian Industrial Metal have clear origins, are stored and transported in accordance with manufacturer standards, and are trusted by both domestic and international markets.

##### Purity

≥ 99.995% kēm

##### Shape

Ingot, size according to manufacturer standards

##### Surface

Wilver-white, shiny

##### Standards

BS EN 1179:2003 - 99.995%  
 ISO 752:2004 - ZN-1  
 ASTM B6-12 - LME  
 GB/T 470-2008 - Zn 99.995



#### 4.2. Zinc alloy

Zinc alloys are widely used in various industries and daily life due to their excellent rust and corrosion resistance, durability, and high-temperature resistance. They are the top choice for mold manufacturing, producing mobile electronics, electronic tools, household items, and many other high-tech products. Stavian Industrial Metal offers a wide range of zinc alloys, including:

Zinc alloy type	Main alloying element	Features	Applications
Zinc-Alu (ZA)	Aluminum	High-strength, hardness, load-bearing capacity	Automotive parts, hardware and accessories
Zinc-Copper (ZC)	Copper	High-strength, good ductility, ideal for die-casting	Electrical components, automotive parts
Zinc-Nikel (ZN)	Nikel	Excellent corrosion resistance and high durability	Automotive components, electronic casings
Zinc-Tin (ZT)	Tin	Good castability	Suitable for decorative applications, architectural hardware, decorative items





## COMMITMENT TO SUSTAINABLE DEVELOPMENT

Stavian Industrial Metal is committed to a sustainable development strategy, pioneering the creation of a green industry, focusing on 03 main factors:

- **Products & Services**
- **Technology**
- **Partner networks**



### 5.1.1. DRI

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Stavian Industrial Metal supplies Direct Reduced Iron (DRI), also known as sponge iron, a high-iron metallic feedstock produced by removing oxygen from iron ore without the need for melting. With stable quality, low impurity levels and clear traceability, DRI supplied by Stavian Industrial Metal complies with international standards and is trusted by customers in both domestic and global markets.

DRI is used as an important supplementary feedstock to scrap in steelmaking, helping improve charge mix quality and metallurgical efficiency across various production technologies, including Electric Arc Furnaces (EAF) and the Blast Furnace–Basic Oxygen Furnace (BF/BOF) route.

DRI is currently classified into three main forms: Cold DRI (CDRI), Hot DRI (HDRI) and Hot Briquetted Iron (HBI), with HBI offering higher density and greater stability, making it more suitable for international trade and long-distance transportation.

Due to its highly reactive nature, DRI requires stringent handling, transportation and storage conditions to ensure safety and maintain product quality throughout the supply chain.



### 5.1.2. Hot briquetted iron – “HBI”

Hot briquetted iron (HBI) is an essential raw material in the production of green steel, significantly reducing carbon emissions right from the iron making.

Using advanced technology and renewable energy sources such as green hydrogen, the oxygen in iron ore is directly reduced to retain iron content, forming Direct reduced iron (DRI), also known as sponge iron.

HBI are DRI or spong iron moulded in a briquette form, easy to transport, and can be used in various steel furnaces such as Electric Arc Furnace (EAF), Blast Furnace (BF), and Basic Oxygen Furnace (BOF) with varying ratios.

HBI is produced with consistent chemical and physical properties, clearly defined and certified by manufacturers in compliance with ISO quality standards.

Category	Details
Origin	Global sources
Size	(30-34) x (48-58) x (90-140) mm
Chemical composition	Metallization: 92-96% Fe (total): 88-94% Fe (Metallic): 83-90% C: 0.5-3% S: 0.001-0.03% P: 0.005-0.09% Gangue: 2.8-8.6% Apparent Density: >= 5t/m <sup>3</sup>

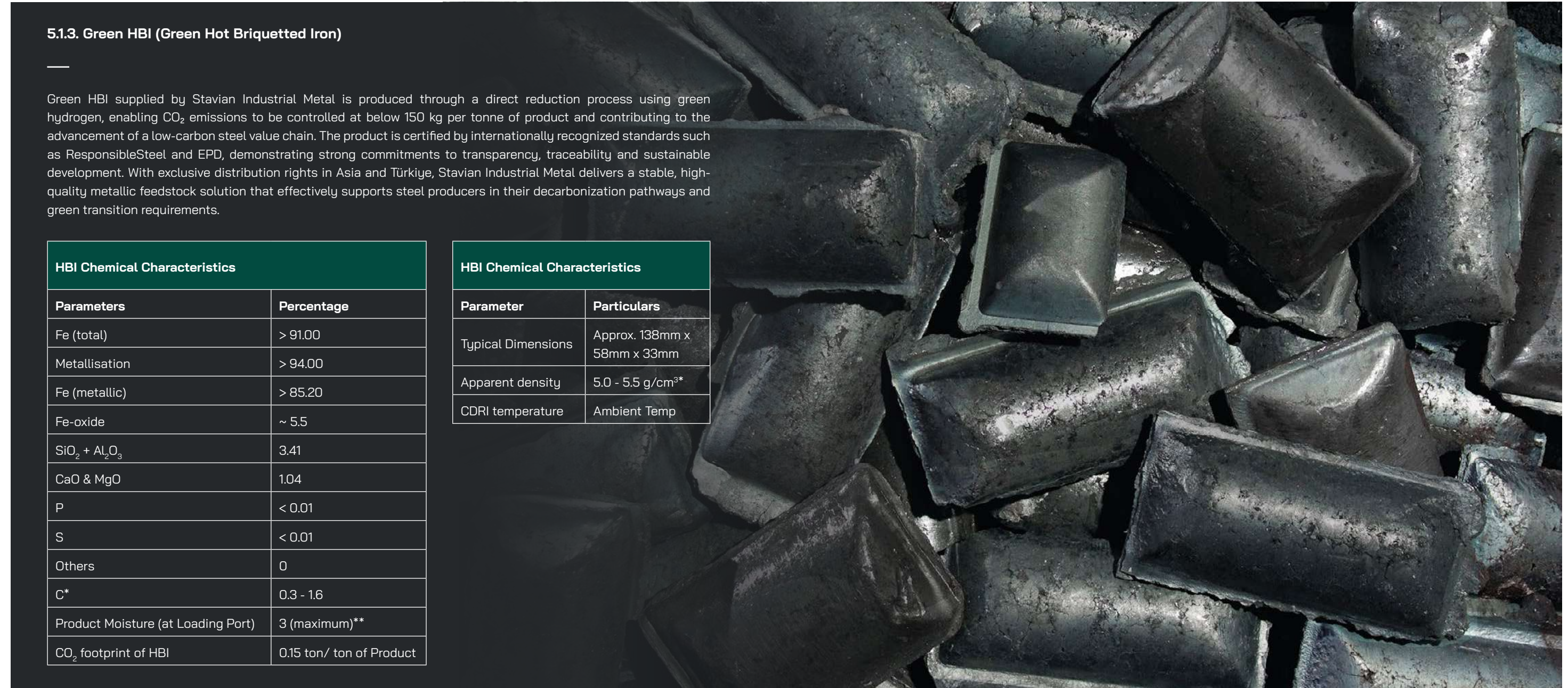


### 5.1.3. Green HBI (Green Hot Briquetted Iron)

Green HBI supplied by Stavian Industrial Metal is produced through a direct reduction process using green hydrogen, enabling CO<sub>2</sub> emissions to be controlled at below 150 kg per tonne of product and contributing to the advancement of a low-carbon steel value chain. The product is certified by internationally recognized standards such as ResponsibleSteel and EPD, demonstrating strong commitments to transparency, traceability and sustainable development. With exclusive distribution rights in Asia and Türkiye, Stavian Industrial Metal delivers a stable, high-quality metallic feedstock solution that effectively supports steel producers in their decarbonization pathways and green transition requirements.

HBI Chemical Characteristics	
Parameters	Percentage
Fe (total)	> 91.00
Metallisation	> 94.00
Fe (metallic)	> 85.20
Fe-oxide	~ 5.5
SiO <sub>2</sub> + Al <sub>2</sub> O <sub>3</sub>	3.41
CaO & MgO	1.04
P	< 0.01
S	< 0.01
Others	0
C*	0.3 - 1.6
Product Moisture (at Loading Port)	3 (maximum)**
CO <sub>2</sub> footprint of HBI	0.15 ton/ ton of Product

HBI Chemical Characteristics	
Parameter	Particulars
Typical Dimensions	Approx. 138mm x 58mm x 33mm
Apparent density	5.0 - 5.5 g/cm <sup>3</sup> *
CDRI temperature	Ambient Temp





#### 5.1.4. Green steel

<b>Carbon emission levels</b>	< 0.6 tons CO <sub>2</sub> e/ton of steel
<b>Composition</b>	70% HBI, 30 % scrap
<b>Technology</b>	Energiron electric arc furnace
<b>Energy</b>	Natural gas, wind/solar energy, green hydrogen
<b>Certification</b>	EPD Environmental Product Declaration



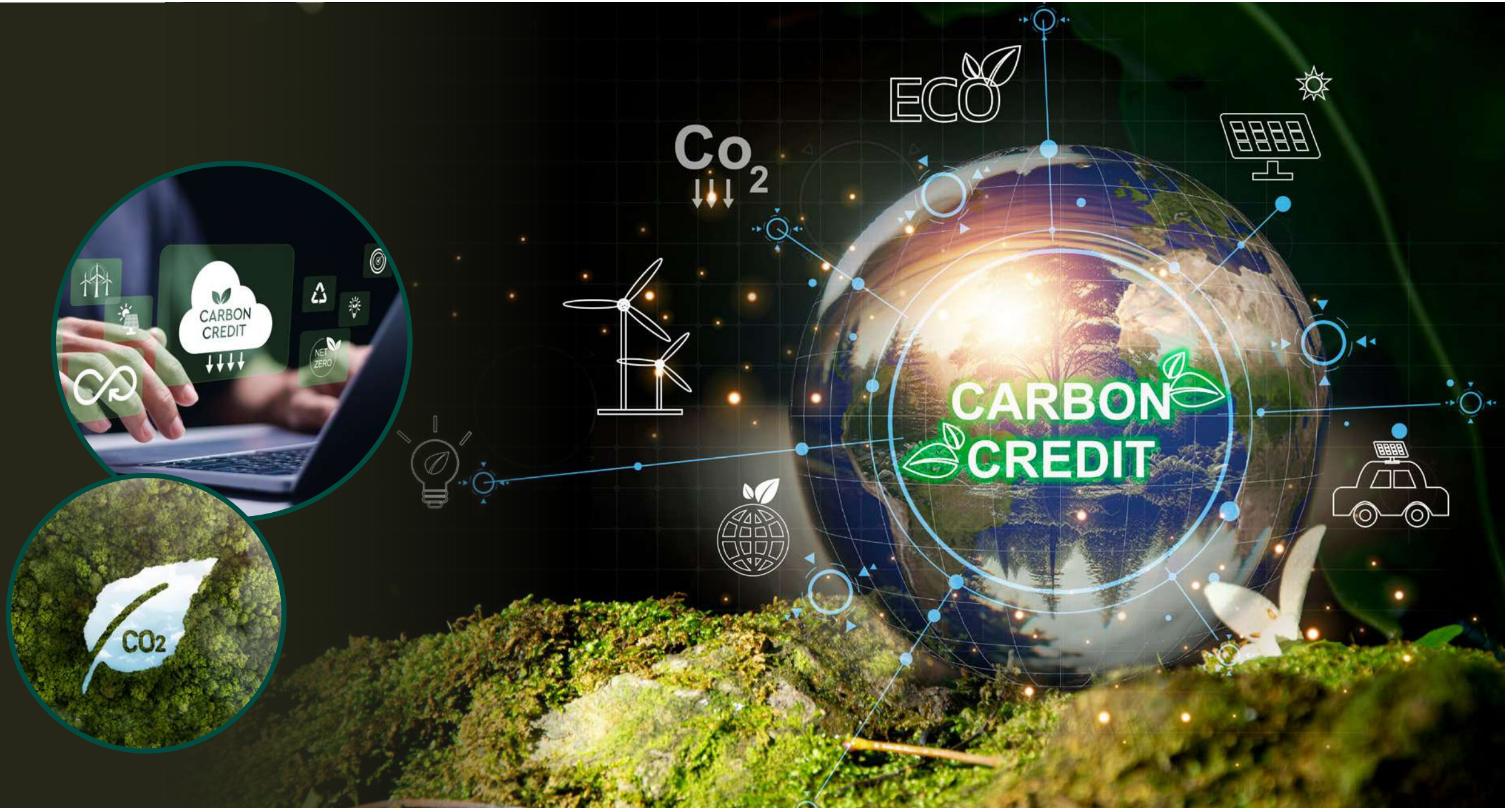
#### 5.1.5. Green aluminum

<b>Carbon emission levels</b>	< 4 tons CO <sub>2</sub> e/ton of aluminum
<b>Products</b>	Green alumina, Green ingot, Green billet, Green aluminum wire
<b>Công nghệ</b>	Inert anode/Induction furnace/CCUS
<b>Energy</b>	Natural gas, wind/solar energy, green hydrogen
<b>Chứng nhận</b>	EPD Environmental Product Declaration

### 5.1.6. Carbon credit services

Stavian Industrial Metal enables customers to manage and optimize costs associated with carbon taxes and mechanisms such as CBAM, as well as equivalent carbon policies in export markets. Through advisory services, carbon credit trading and portfolio management, Stavian Industrial Metal helps customers mitigate the risks associated with CBAM certificate price volatility, optimize overall carbon compliance costs, and enhance their competitiveness when exporting to markets implementing carbon pricing mechanisms.

In addition, carbon credit trading solutions provided by Stavian Industrial Metal are cost-efficient and value-driven, contributing to customers' long-term decarbonization pathways and sustainable development objectives.



## 5.2. Technology

Stavian Industrial Metal has actively engaged with partners for investment collaborations in production, outsourcing, technology development and application to enhance the global supply capability and capacity of decarbonized materials, including Vietnam.

We prioritize the research and implementation of warehouse management solutions and supply chain optimization to reduce energy consumption, improve the efficiency of transportation, storage and distribution processes, and reduce operational carbon emissions.



### 5.3. Partner networks

With the belief that “Connection and collective effort are the keys to success in driving carbon emission reduction and sustainable development,” Stavian Industrial Metal prioritizes building partnerships with accreditable suppliers who share the commitment to sustainable development.

We not only welcome but actively promote opportunities for collaboration in trade, investment, production, technology transfer, and big data related to green metals. Additionally, Stavian Industrial Metal is engaged in organizing training activities, knowledge and experience sharing, skill and expertise enhancement to contribute to building a strong and sustainable green metal manufacturing industry.



A background image showing a business meeting. In the foreground, two hands in dark blue suits are shaking hands. To the right, a person is holding a tablet computer. On the table in front of them are several documents with charts and graphs. The scene is brightly lit, suggesting an office environment.

## STRATEGIC PARTNERS

We establish strategic and long-term relationships with financial partners, suppliers, and customers to jointly create sustainable values for the development of Vietnam's industry and economy, as well as for the region and the international community.

8 STRATEGIC PARTNERS

Suppliers



Customers



Financial partners



## CORPORATE SOCIAL RESPONSIBILITY

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We understand and continuously improve the quality of our CSR initiatives, with the commitment to pay it forward.



# Corporate Social Responsibilities



## Business

- Excellent business performance
- Satisfied customers
- Management and compliance

## Environment

- Environmental care
- Supporting customers in achieving environmental goals

## Society

- Diverse development, health and safety training
- Equal development opportunities





Building schools for children in highland areas



• Visiting, encouraging and donating meaningful gifts to the Nho Quan Rehabilitation Center for Veterans



Providing prosthetic limbs to elderly individuals in poor conditions in Ninh Binh





Sponsoring classroom renovation, donating books, school supplies and other meaningful gifts to disadvantaged children with disabilities at the Class of love at Huong Lan Pagoda, Chuong My, Hanoi





Sponsoring reforestation and environmental improvement projects in highland regions



STAVIAN CHEMICAL – Diamond sponsor of SEA Games 31

## Contact information

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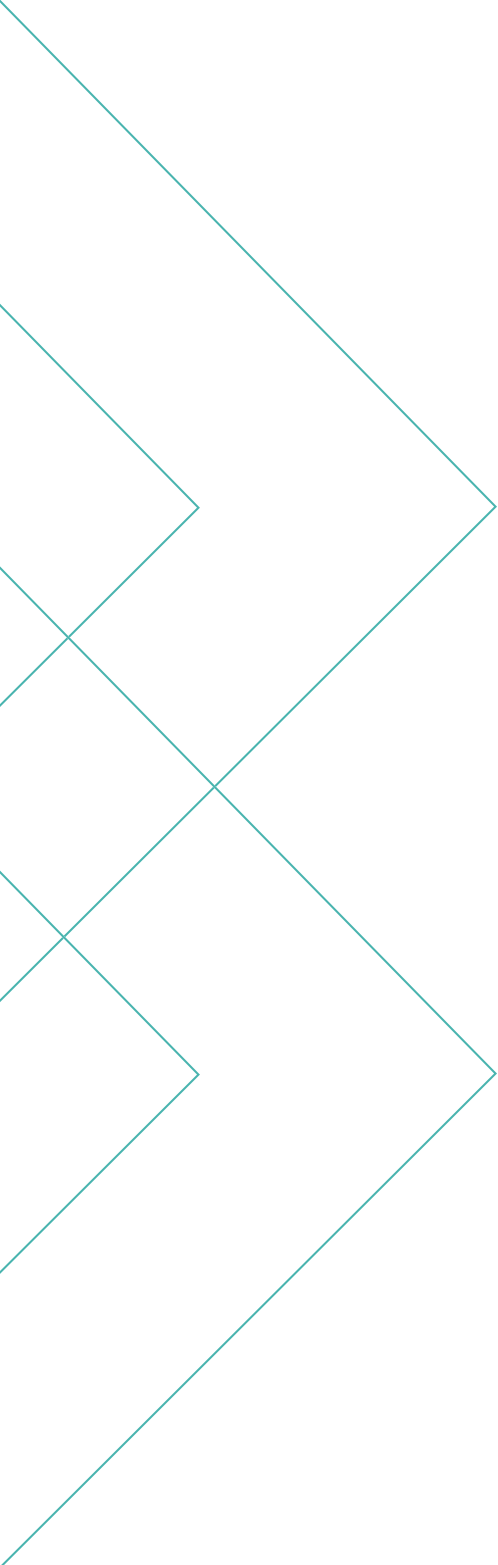
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