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# This is Tenaris



# Global leader in pipes and related services for the world's energy industry



Serving the world's energy industry and other industrial applications.

**11.8**

US\$ billion

Annual net sales  
(2022)

**15**

Countries

Manufacturing  
facilities

**3**

R&D Centers

Worldwide

**3**

Stock exchanges

New York, Italy, Mexico

**25,000**

Employees (approx.)

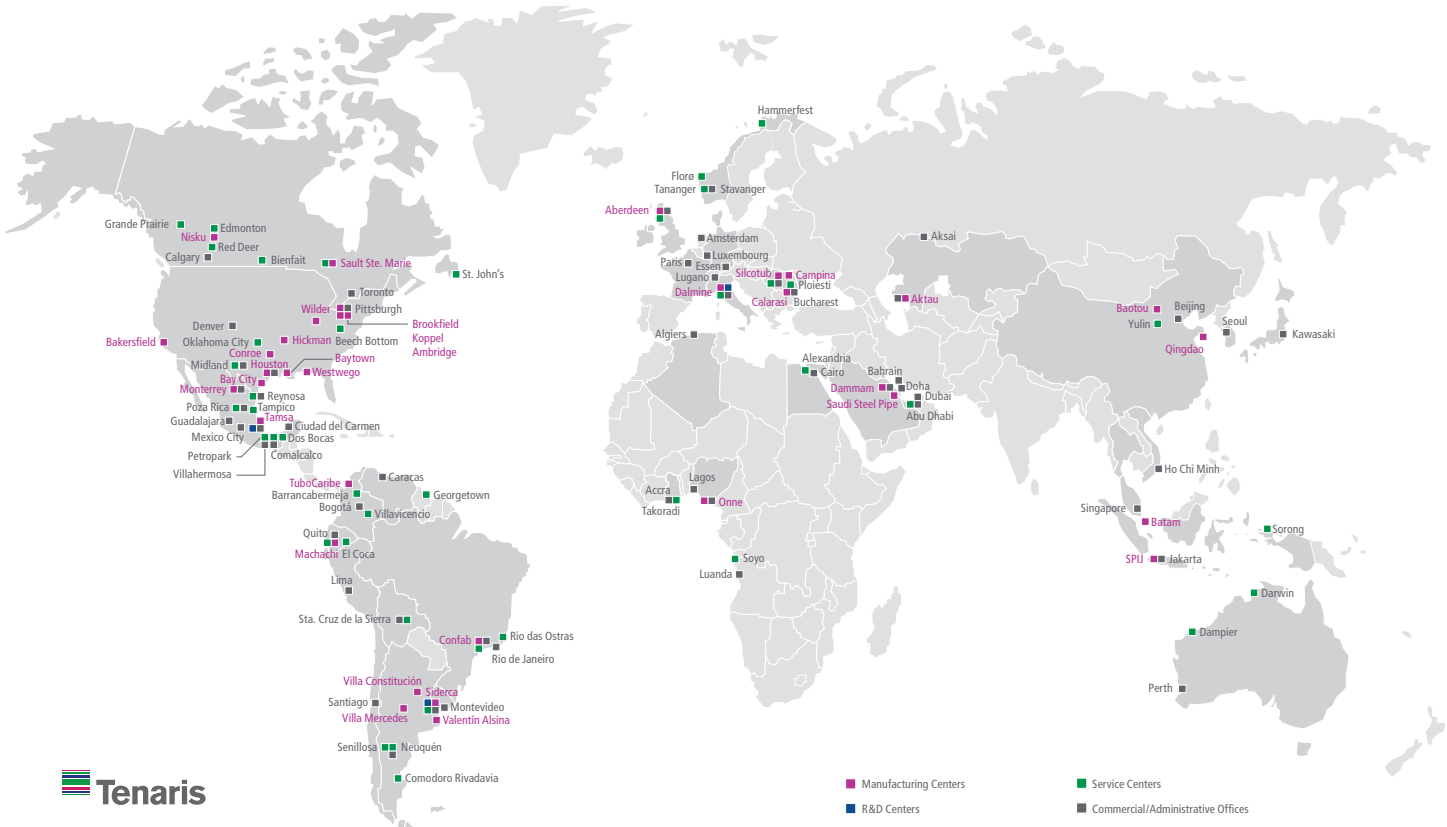
(2022)

**23**

Countries

Services and  
distribution network

# Worldwide operations



- Manufacturing Centers

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- Service Centers

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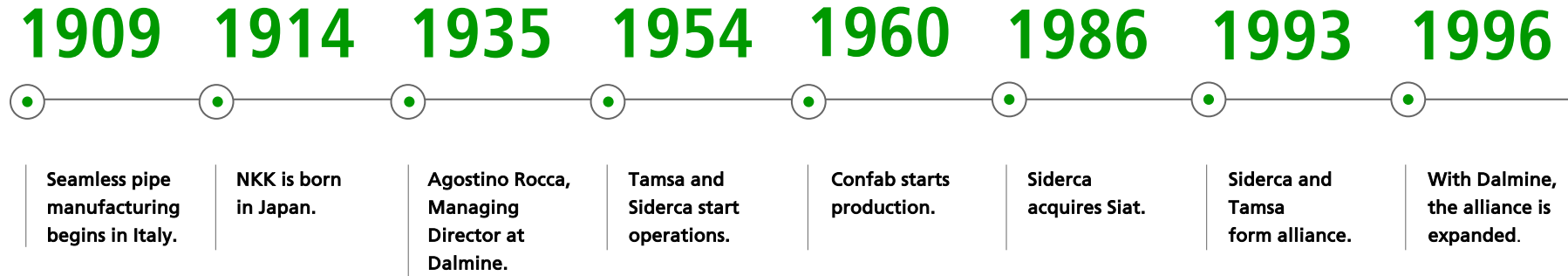
- R&D Centers

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- Commercial/ Administrative Offices

# A history of industrial enterprise

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# A history of industrial enterprise

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1999 2000 2001 2002 2004 2006 2007 2009

Growth in Venezuela and Brazil.

Growth in Japan and Canada.

The Tenaris brand is born.

The alliance becomes one company.

Silcotub joins Tenaris.

Growth in North America.

Hydril becomes part of Tenaris.

SPIJ in Indonesia joins Tenaris.

Venezuela nationalizes TAVSA.

# A history of industrial enterprise

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2010

Threading facility opens in Saudi Arabia.

2011

New rolling mill starts production in Mexico.

2017

The Bay City mill begins operations.

2019

Tenaris grows in the Middle East.

2020

Tenaris acquires IPSCO Tubulars, strengthening its North American presence.

2021

TenarisBaogang breaks ground on new threading facility in China.

Tenaris is committed to reduce 30% the intensity of CO<sub>2</sub> emissions per ton of steel by 2030.

# Integrated industrial management



**ISO 9001**

Single Quality Management System

**ISO 14001 and  
ISO 45001**

Single HSE Management System

**5**

Electric steel shops

**14**

Seamless rolling mills

**28**

Welded tube mills

**62**

Heat treatment lines

**141**

Premium threading lines

**7.8**

Million tons of steel pipes

**4.7**

Million tons of seamless pipes

**3.1**

Million tons of welded pipes





# Market segments

OCTG →

Line Pipe →

Hydrocarbon Processing →

Low Carbon Energy →

Power Generation →

Industrial & Mechanical →

Automotive →

PLEASE CLICK THE SEGMENT  
OF INTEREST FOR  
MORE INFORMATION





# OCTG



# Integrated tubular solutions for the oilfield



OCTG



[RETURN TO MARKET SEGMENTS](#)

We combine innovative technology, reliable product quality and efficient service. Our unmatched range of product solutions can meet the needs of drilling and completion operations across all applications.

At Tenaris, innovation goes beyond product technology: we are digitally integrating the tubular supply chain through our Rig Direct® service. All this while maintaining the highest QHSE standards under one single system.

We offer the following products to our oil and gas customers:

[Casing and tubing](#)

[Premium connections & weld-on connectors](#)

[Accessories](#)

[Sucker rods](#)

[Coiled tubing](#)

[Drill pipe](#)

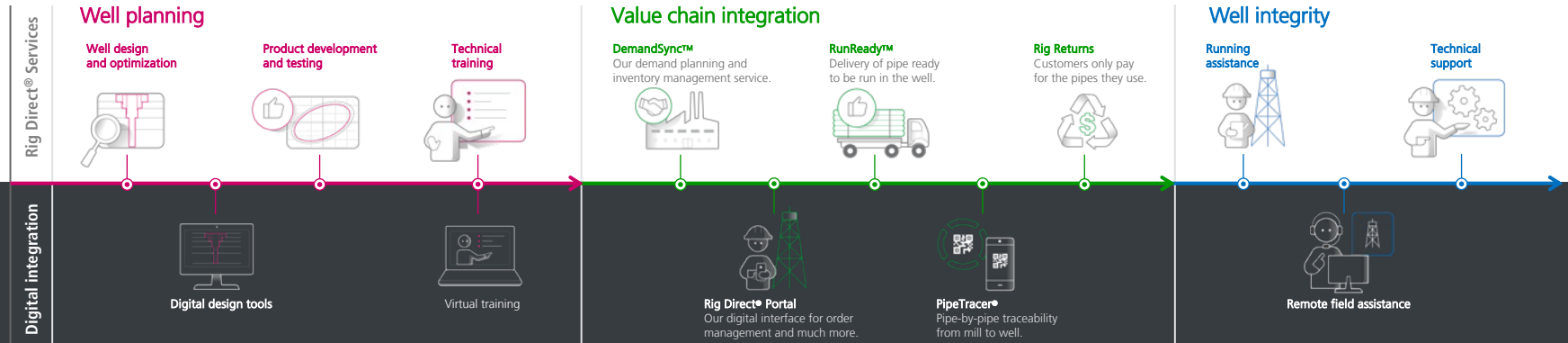
# Rig Direct®

With Rig Direct®, we partner with oil and gas customers throughout their drilling projects.

Digital customer experience:  
our suite of digital tools grants transparency and streamlines administrative and operational aspects of the pipe lifecycle.

Rig Direct® Portal  PipeTracer® App

## Rig Direct® services



# Premium Connections

Our unmatched range of product solutions can meet the needs of drilling and completion operations (including injection wells) across all applications.



- Unconventionals
- Deepwater
- Shallow Water
- HP/HT & Deep Wells
- Horizontal & Extended Reach Wells

- Casing-While-Drilling
- Geothermal
- Thermal (SAGD & CSS)
- Mature fields
- Workstrings

With Dopeless® technology, connections are supplied RunReady™ and there is no need for the application of running or storage compounds, simplifying handling and yard operations.







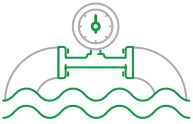
RETURN TO MARKET SEGMENTS

# Line Pipe

—  
For offshore and onshore applications



# Solutions for offshore applications



We offer integral, customized solutions, from pipe manufacturing -with precise dimensional tolerances- to services and accessories, backed by global, state-of-the-art industrial and R&D networks, united under a single QHSE management system.

## We provide:

[Line pipe](#)

[Bends](#)

[Riser connections](#)

[Coating](#)

[Double joints](#)

[Accessories](#)

[Project management services](#)

## Solutions for offshore applications

With the most significant track record in the industry, more than 30,000 kilometers of our pipelines have been successfully installed in the most stringent environments worldwide.

Tenaris is constantly partnering with our customers on innovative solutions, supporting the evolution of the energy industry, from the project design phase to execution.





# Line pipe for onshore applications



Going beyond pipe requirements, we provide the onshore market with integral, customized solutions, from pipe production to services and accessories, backed by global, state-of-the-art industrial and R&D networks, united under a single QHSE management system.

## Steel pipes for:

Oil and gas

Water works

Mineral slurry

In addition to our extensive line pipe distributors' network, we offer a full range of direct project management services including inventory handling, customized logistics and technical and post-installation services.

# Hydrocarbon Processing



# Hydrocarbon Processing



**Tenaris provides a wide range of seamless steel tubes and pipes for refineries, petrochemical and gas-processing plants.**

Tenaris designed the Total Cost of Ownership model, which takes into account all variables that may impact on project, measuring and controlling the corresponding costs.

Tenaris can collaborate with engineering companies to achieve cost savings, offering:

Mill material definition of the hydrocarbon processing project

Mill planning direct support

Production flexibility

Price structure customization

Supply chain coordination

Best practices sharing



# Low Carbon Energy

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# Low Carbon Energy

Our technical expertise, technological capabilities and drive for innovation power our product offer for energy transition applications.

To ensure a 360-degree approach that captures all possible synergies, we have launched a global R&D program with a special focus on the material properties required in these applications. We provide solutions for:

- Hydrogen storage & transportation
- Geothermal
- Carbon Capture Utilization & Storage (CCUS)
- Other renewables (wind & solar)

LEARN MORE



# Tenaris Hydrogen era

## THERA™

In 2021, Tenaris launched THERA™, a new brand to represent its proprietary products and materials technology for hydrogen applications.

These include:

- Hydrogen storage systems
- Tube trailers
- Pipelines for hydrogen transportation
- Solutions for industrial segments (refineries, hydrocarbons and green/blue hydrogen processing)





# Power Generation





# Power Generation

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Tenaris provides innovative products and services to meet the most stringent requirements in the Power Generation Industry (HRSG, waste-to-energy and biomass, heat exchangers and conventional boilers), offering a customized and flexible package, which allows Power Plant builders and owners to reduce their Total Cost of Ownership.



# Our focus is on continuous improvement & development of materials and supply chain management services.

High quality seamless tubes & pipes from Carbon up to advanced 12% Cr (Thor™115)

Tube length up to 26 m (85 ft)

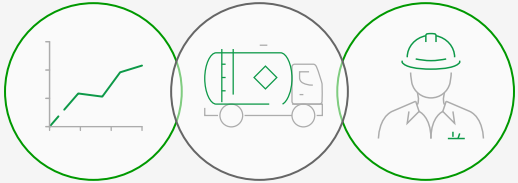
Dedicated boiler line in Romania

Integrated industrial process from raw material to finished goods

Unique metallurgical expertise (Tenaris creep data exceed 25 Million hours)

Technical consulting pre and after sale

Participation to joint industrial programs: ECCC, EPRI, ASME



Technical consulting pre & after sale

Supply Chain management service

Dedicated boiler line for high quality package of products

# Industrial & Mechanical

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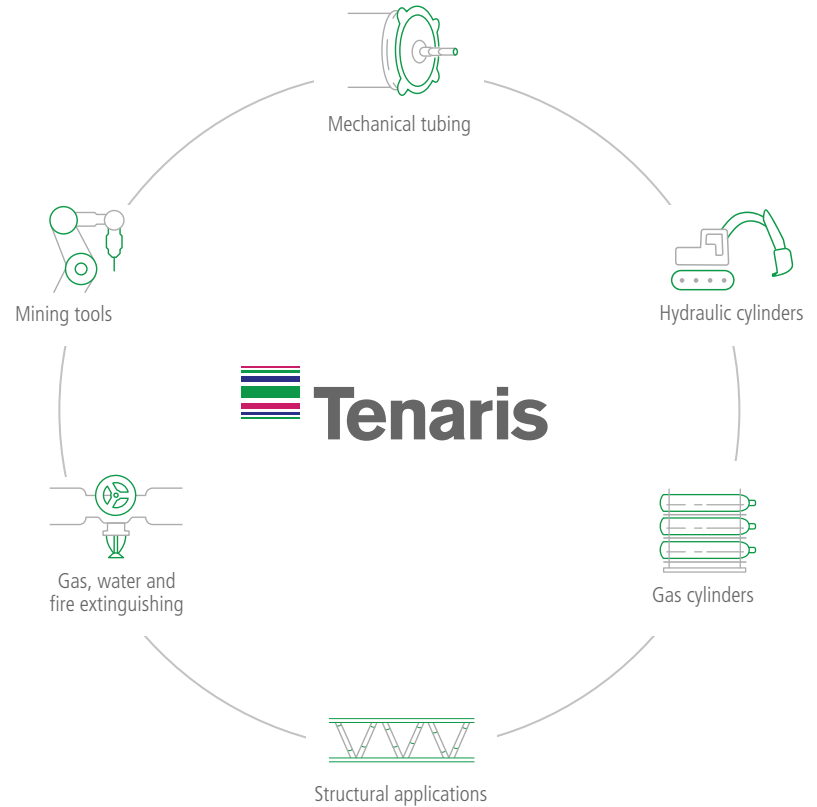




# Industrial & Mechanical

Tenaris provides hot-rolled and cold-drawn seamless steel tubes and components used in mechanical engineering applications and in civil and industrial installations as well as for manufacturing earth-moving machines, architectural structures, non-oil drilling systems and gas cylinders.

In our fully-integrated manufacturing process, steelmaking, tube-rolling, cold-drawing, heat treatments and tubular parts processing, we focus on designing tailor-made products to meet the needs of our customers and ensure a longer product life, weight reduction, better mechanical properties and reductions in costs.



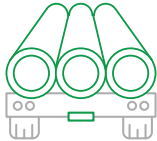
# Automotive



# Automotive



01.



Tenaris provides a wide range of seamless tubes and tube-based components according to IATF 16949 for car manufacturers and their suppliers.

02.



Cold-drawn and hot-rolled seamless tubes produced for application in airbags, steering, chassis and suspensions, heavy trucks and trailers, transmission, ring gears and power train components.

03.



A worldwide network of Automotive Component Centers located in Italy, Argentina, Mexico, Romania and China work with teams able to perform high added-value operations.

# Sustaining Values

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Health and Safety →



Environment →



Innovation →



Our people →



Community Relations →



Governance and Ethics →

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# Health and Safety



A SAFETY CULTURE

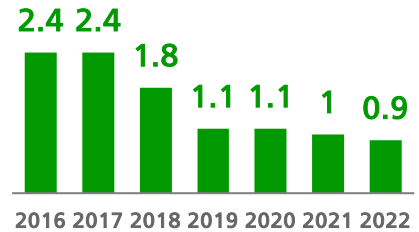
## Our priority

Tenaris focuses on manufacturing and delivering products responsibly and safely, preventing harm to its people, mills, suppliers, communities and the environment. The approach is based on the detection and prevention of risks or unexpected events.

Tenaris also promotes programs of global reach and continuous communication focused on safety events to foster a strong safety culture and achieve an incident-free working environment.

### Lost time injury frequency rate

Accidents per million man/hours



## 12 Basic Safety Rules



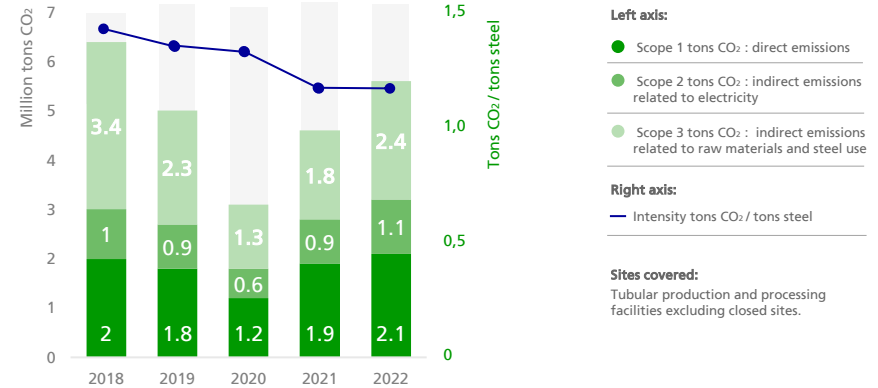
#1. Make sure you are in an appropriate mental and physical condition when at work.

# Environment

Tenaris is committed to developing a long-term sustainable business by minimizing the environmental impact of its operations and by making the most efficient use of natural resources and energy.

Through extensive use of recycled scrap, electric arc furnaces and natural gas fired direct reduction plant, the environmental footprint for its operations is minimized.

## CO<sub>2</sub> Emissions: Tubular production and processing sites (including steel shops)



Sustainability Champion Awards from World Steel Association in 2018, 2019, 2020, 2021 and 2022.



Tenaris was recognized by the worldsteel's Climate Action Program for complying with CO<sub>2</sub> emissions reporting requirements over the last 10 years.

# Decarbonization Strategy

**30%**  
Target 2030

Reduction in CO<sub>2</sub> intensity per ton of steel (Scopes 1, 2 & 3) vs 2018 values



Collaboration with partners to minimize CO<sub>2</sub> footprint

**USD 80**  
per ton CO<sub>2</sub>

Internal carbon price



Increase scrap use



Renewable electricity



Energy efficiency



H<sub>2</sub> Use



Alternative raw material



Carbon capture use and storage

## Improving our performance

We apply the best available technologies in all new lines, aiming at improving our performance beyond local applicable requirements.

### Main figures

**77%**

Recycled content in our steel

**98%**

Material efficiency in steel producing sites

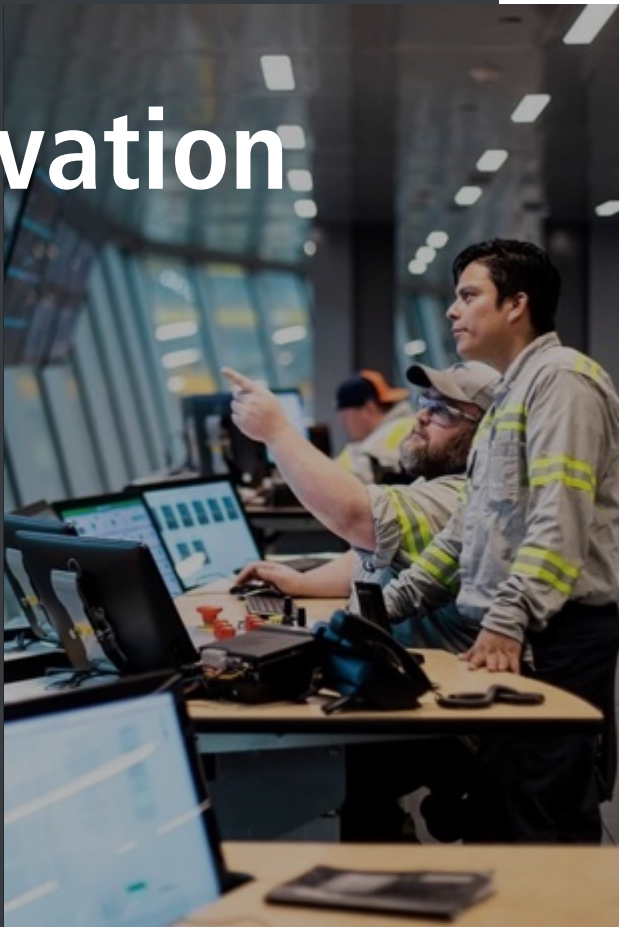


01 | 05 →

### EPA minor source of emissions

Our Bay City seamless pipe mill in Texas was designed to achieve the most stringent environmental performance standards in terms of air emissions, nitrogen oxide (NOx), volatile organic compounds (VOC), and water management. It has been classified by a minor source of emissions by the US EPA.

# Innovation



## Research for today and tomorrow

### How we innovate →

Network of R&D centers.

Team of researchers.

Support our customers' operations worldwide.

### Digital customer experience →

We promote digital integration between our customers and Tenaris systems, enabling seamless interaction and information exchange.

### Industry 4.0 →

Internet of Things, Cloud technology and AI, Tenaris is transforming its production systems into a Connected Factory.

### Dopeless® technology →

Connections are supplied RunReady™ and there is no need for the application of running or storage compounds.

# Our people

TenarisUniversity organizes company-wide training including managerial and technical training development focused on knowledge excellence and active employee participation.

35 hours of training per professional and 46 hours of training (excluding On the Job Training) per shop floor employee in 2022.

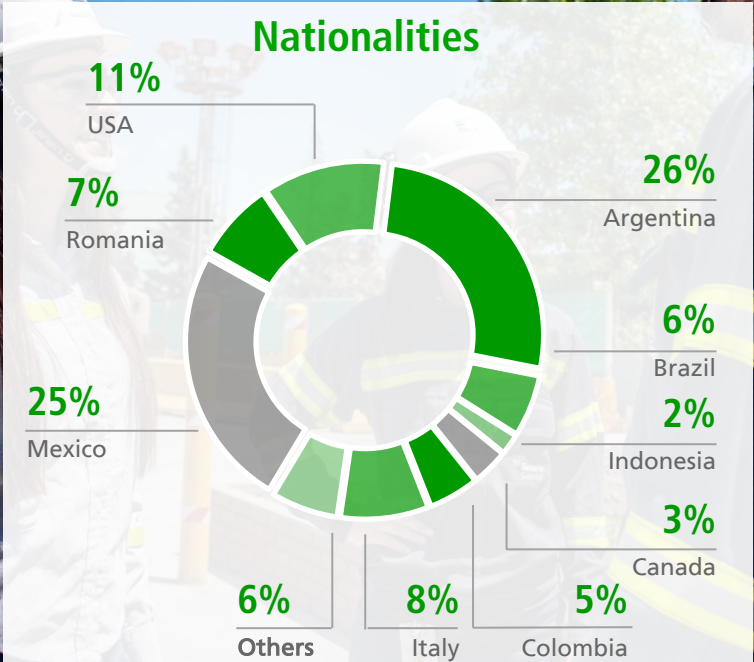
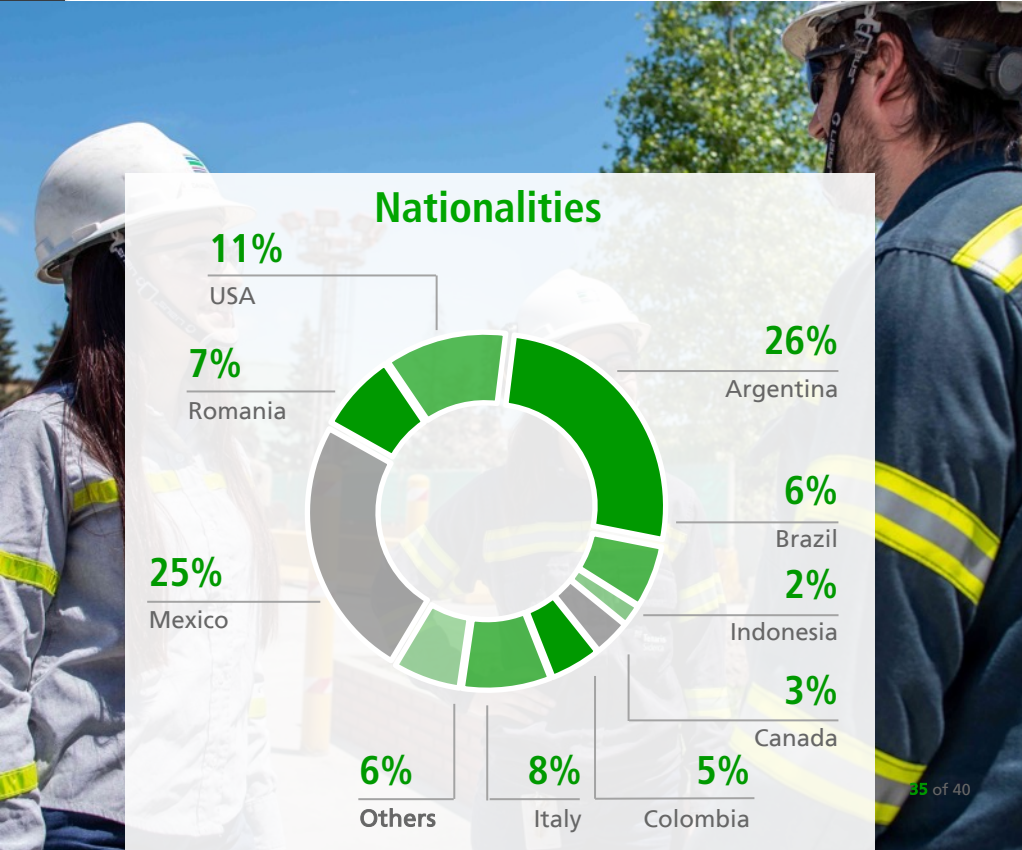
International, culturally diverse team with specific programs to encourage diversity.

Working environment that fosters creativity, initiative, teamwork and professional growth.

Performance and compensation management systems designed to ensure internal equity and market competitiveness, reward performance and stimulate employee development.

## 25,000 employees worldwide

DEC 2022





# Community Relations

## Our commitment in numbers

### Our mission

We are convinced that an industrial project contributes to sustainable growth and inclusive community development. Being education the primary focus of our programs and promoting technical education as a tool for personal and community growth.

We support cultural activities with focus on excellence, integration and diversity. Inclusion is at the center of our action field to be able to reach different audiences with our programs.



**436**

Scholarship students enrolled in the Roberto Rocca Technical School in Campana, Argentina.

**37,000**

Students and teachers have participated in our education programs in 2021.

**124**

Million USD directly invested in community programs from 2013 to 2021.

**214,000**

People have participated in our cultural programs in 2021.



# Community Relations

## Our actions

In 2022, our global education programs were renamed after Roberto Rocca as a tribute to his legacy and values. As in previous years, our direct funding contributions were supplemented by additional funding from our controlling shareholder group, whose intent is to extend the reach and contribution of our program to our communities.

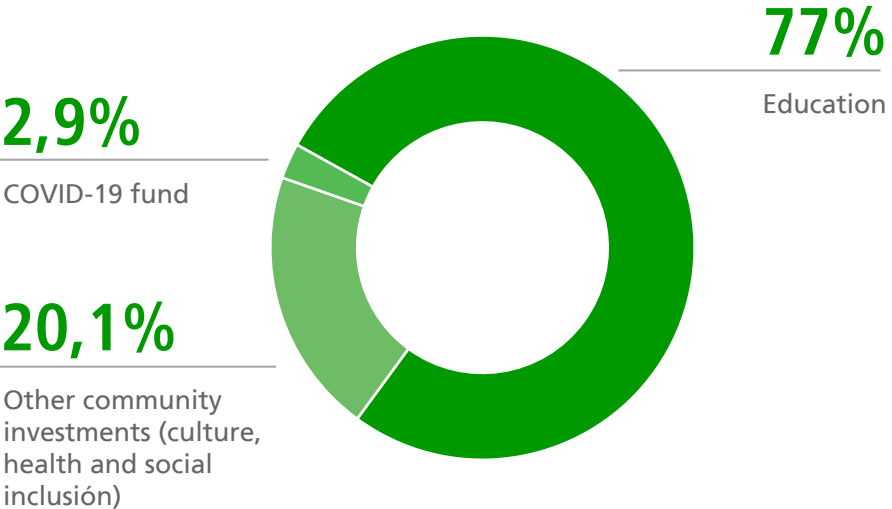
Programs include Roberto Rocca Technical Schools Network, Roberto Rocca Technical Gene, Roberto Rocca Scholarships, Roberto Rocca AfterSchool Program, Volunteers in Action, Latin American Film Festivals and Photo Library.

Fundación PROA promotes contemporary art and Fondazione Dalmine protects the history of our industrial culture.

We support Toni El Suizo Rüttiman's global bridge building activity to unite isolated communities.

## Investment in community programs: USD \$14.8 million INVESTED IN OUR COMMUNITIES IN 2022

2022



# Governance and Ethics



Business Conduct

**Tenaris**  
integrity is in  
your hands

Always remember:

- Commit to Business Conduct
- Assess concerns before proceeding
- Control effectively and earn trust
- Encourage integrity when dealing with third parties
- Clear communication depends on you

Our everyday actions  
build our Company's  
reputation

www.compliance-line.com

**Tenaris**



A Code of Conduct, a Policy on Business Conduct and a Code of Conduct for Suppliers including guidelines and standards of integrity and transparency.

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A Business Conduct Compliance Officer (BCCO) leading the Business Conduct Compliance Program across the company.

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Regular risk assessment to identify, prevent and mitigate compliance risks.

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Mandatory risk evaluation of third parties to qualify and certify their credentials and reputation or discontinue them.

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Regular in-person, live and online digital training for all employees and business partners.

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Monitoring and audits to verify compliance with anti-bribery controls set in the Policy on Business Conduct and other Policies and Procedures.

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Tenaris core values foster ethics, compliance and clear interactions with government and private sector.

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A Compliance Line promoted throughout the company and open to employees, suppliers, customers, shareholders and other interested third parties.

# Committed to transparency

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Tenaris actively promotes a culture of transparency and integrity based on ethical behavior and compliance with the law. Our Code of Conduct is the cornerstone of that effort.

This is essential for the long-term sustainability of our business in a competitive market environment.

The Compliance Line, which is available in ten languages, allows employees, customers, suppliers and other interested parties to report, on a confidential basis, any conduct contrary to the Code of Conduct or its principles.

## Ethics Framework:

[Code of Conduct](#)

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[Code of Conduct for Suppliers](#)

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[Policy on Business Conduct](#)

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[Conflicts of Interest and Non-Competition Policy](#)

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[Corporate Policy on Securities Trading](#)

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[Anti-Fraud Policy](#)

# Business conduct



Tenaris has an active company-wide Business Conduct Compliance Program (BCCP) which fosters a culture of ethical conduct. Employees are expected and periodically trained to be aware of risks and controls, and to be responsible for their actions and decisions in their daily work, and Tenaris requires strict compliance with laws and regulations at all levels.

Tenaris has implemented a framework of compliance measures and controls to prevent corruption and bribery. The Business Conduct Compliance Program has regular and consistent risks and third parties assessments, enabling us to identify and avoid unacceptable relations or breaches.

Tenaris ensures that relevant policies and procedures are communicated to the entire organization through internal communication channels, onboarding and frequent training.



# Governance



Tenaris is a global company with our holding company organized under Luxembourg law. Tenaris is listed on the New York Stock Exchange, the Italian Stock Exchange and the Mexican Stock Exchange. Responsibility for Tenaris management resides with our board of directors, comprised of 11 directors, five of whom qualify as independent under applicable US securities regulations and the Company's articles of association.

Tenaris board of directors has an Audit Committee with four independent members. Its oversight activities includes the integrity of our financial statements; the effectiveness of internal controls, risk management, business conduct compliance and internal audit over financial reporting; and the independence and performance of external auditors.

In addition, the Audit Committee is required to review material transactions with related parties in order to determine whether their terms are consistent with market conditions or are otherwise fair to the company and/or its subsidiaries.

# Thank You