

## Development



### Product Sustainability

We help our customers reach their environmental targets, considering the latest material assessment as a basis for our analysis, with nine sustainability topics relevant to the steel industry and its stakeholders, including climate action, circular economy, and environmental care.



### Product Development, Material Selection & Qualification

We work with our customers to push the boundaries of material science and mechanical design. Our mission is to come up with new technological solutions to withstand extreme applications and make standard operations safer and more efficient.



### Technical Training

Continuous training is part of our culture and our value proposition to customers. We also take our continuous learning culture online, to serve customers everywhere in the world.

## Production



### Machining

We offer machining services and subsequent inspection operations, carried out in our mills, relying on high precision CNC machines, trained personnel and TenFit™ for machining simulation.



### Double Joints

With a track record of more than 37,000 Double Joints delivered in the last 20 years, we offer welding service solutions to meet customers' needs in every project worldwide.



### Coatings

We offer a wide range of coating solutions to fulfill all customers' needs. From anti-corrosion protection to sophisticated thermal insulation systems (TenCoat™ Marine product family), including also concrete coatings for negative buoyancy requirements and internal coatings for corrosion and flow efficiency purposes.



### Bends

In alliance with strategic, third-party suppliers, we provide hot induction bends for the most critical applications, complying with the most stringent requirements for manufacturing and testing.



### Buckle arrestors & special pieces

Tenaris provides Buckle Arrestors and corresponding assemblies with variable lengths from one to 12 meters, along with special pieces such as Tapered Joints, Upset End and Upset Shaped pipes, and Half Shells.



### TenFit™

TenFit™ is our digital solution to provide accurate Pipe End measurement & associated Services. Pipes are measured through our Laser End Measurement System (LEMS), which uses laser displacement sensors to give a full assessment of each pipe end.



### Remote inspection

For certain inspection activities, Tenaris offers digital inspection services, replacing the physical intervention. Information is provided to the customer on an easy-to-access SharePoint site.



### Full Data Pipe Management

A specific set of pipe data from actual production can be promptly provided through our Pipe History System to support customers' operational decisions and design fine-tuning, while a complete set of more general project information can be built in our Digital Databook.



### PipeTracer®

With our PipeTracer® digital solution, customers can access products' technical information and specifications, and create digital tallies, eliminating the need for manual measurements and data entry, improving accuracy and simplifying operations.

## Digital services