

# Three Reasons for choosing TenarisSilcotub



# Three Reasons for choosing TenarisSilcotub

Tailored technical solutions based on customer	4
—	—
Fully integrated industrial system for top quality products	6
—	—
Flexible, reliable and efficient Supply Chain	8
—	—
TenarisSilcotub for thermal power plants	10

# Tailored technical solutions based on customer



## COMMITTED TO YOUR NEEDS

We partner with our customers offering our solid industrial and commercial expertise throughout the whole project. Our highly skilled personnel is committed to offer the best creative solution to your needs with tailored products and services.

We provide dedicated resources for R&D activities, performing researches and tests to enhance product behavior in the most demanding environments.

Counting on its own laboratory, Tenaris can offer an extensive creep database, carrying out creep tests of about 2.4 million hours per year to determine the structural micro stability of materials exposed to high temperatures for long periods.

We support Engineering boiler partners providing technical solutions (such as 26 m tubes and Thor™115 new steel grade) which allow them to select the best material, eliminating additional costs during construction by minimizing risk and improving the efficiency.



Corporate  
training school



2.4 million hours  
creep tests per year



#### CONTINUOUS TRAINING

Working together with our customers, we design tailored solutions for each project, setting up special chemistries and dimensional tolerances according with customers' needs.

We offer constant follow up about all the production and supply chain processes and a continuous information sharing to guarantee a complete transparency over the project.

Our employees' commitment and the investments in their continuous training and professional development are key factors to maintain our level of excellence. We can count on an internal training school, TenarisUniversity, created to integrate, align and share the knowledge within all Tenaris companies.

# Fully integrated industrial system for top quality products



## TUBES FOR ALL APPLICATIONS

TenarisSilcotub provides a complete tube range in special steel grades for all power generation applications

- HRSG
- Boilers
- Heat Exchangers
- Nuclear
- IGCC
- Renewable
- CCS

Our customers can count on a fully integrated production process, from definition of the steel chemical composition, to steelmaking, hot rolling/cold drawing, heat treatment, finishing, nondestructive tests to finished

product, allowing full traceability whilst ensuring consistent product quality.

In 2012 Tenaris invested in its Romanian facility USD 60 million to build a 100% dedicated line for finishing power generation products (75,000 tons/year of capacity) and process high alloy steel grades up to 12% Cr, thanks to the installation of a new intermediate furnace and a series of upgrades in the hot rolling mill to manufacture 26 meter tubes, allowing to increase the height of the HRSG module saving on space, welding time and cost.



**60 million \$ invested**  
to build a 100% dedicated line  
for finishing power generation products



**5.5 million \$ invested**  
to guarantee product quality



**16.7 million \$ invested**  
to minimize our impact  
on the environment



#### STATE OF THE ART EQUIPMENT

Thanks to R&D dedicated team for Steelmaking, Hot Rolling and Heat Treatment processes, TenarisSilcotub has the best in class process control to guarantee tighter wall thickness and outside diameter tolerances. We are equipped with state of the art laboratory facilities and testing equipment that perform chemical analysis, mechanical tests (tensile, hardness, flattening, flaring, flange) and metallographic analysis over 100% of the production.

Investments of over 5.5 million USD have been made since 2010 to guarantee product quality.

Besides assuring a Quality Management System under ISO 9001:2008 standard, our products for the power generation segment are certified according with PED, TÜV AD2000 and IBR.

Energy efficiency and environmental care are constant components of our activity.

Investments of about 16.7 million USD have been made since 2010 to minimize our impact on the environment.

# Flexible, reliable and efficient Supply Chain



## FLEXIBILITY AND FAST DELIVERIES

Thanks to our dedicated integrated informative systems, we are able to handle all processes in a transparent and consistent way to guarantee full traceability and fast response time.

Our 100% dedicated boiler finishing line allows us to respond timely and with flexibility to any product customization requirement and to guarantee an improved lead time, given its geographical positioning to serve major power gen projects and to better integrate with fining services operators.

In particular for the American and Korean markets, we are able to offer special delivery programs for fast track projects.

Thanks to the integration of our mills dedicated to serve the power generation sector (in Japan, Mexico, Argentina, Italy) we can ensure fast deliveries close to customer's sites.





Guarantee full traceability  
and fast response time



Special delivery programs  
for fast track projects



# TenarisSilcotub for thermal power plants

Silcotub mill, with more than 30 years of history in the Romanian tube and pipe industry, became part of Tenaris in 2004.

Fully integrated into Tenaris global industrial system, counting on a strong knowledge base and modern equipments, the Romanian facility is becoming one of the company's key centers for the power generation business.

Tenaris is a leading global manufacturer and supplier of steel tubes and related services for the world's energy industry and certain other industrial applications.







For further information  
[www.tenaris.com](http://www.tenaris.com)

For assistance please contact  
[powergen@tenaris.com](mailto:powergen@tenaris.com)

