

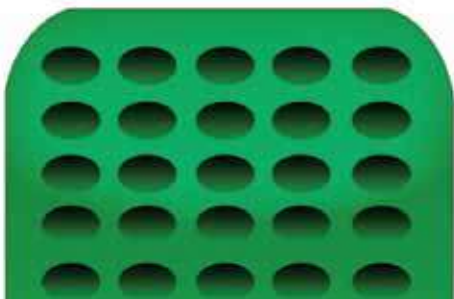


**TECTUBI RACCORDI**



**GEMINOX**

**WELDED PIPES DIVISION**



**LONGITUDINALLY WELDED  
CARBON STEEL, CRA, CLAD  
& LINED PIPES**



**GIEMINOX  
TECTUBI  
RACCORDI  
Welded Pipes  
Division**



# GIEMINOX - TECTUBI RACCORDI Welded Pipes Division Manufacturing

## Company profile

Since 1980 **Gieminox**, established in Schio, Vicenza, Italy has become a well-established manufacturer of longitudinally welded pipes, clad pipes and lined pipes.

In 2011 **Tectubi Raccordi** incorporated **Gieminox** into **Gieminox-Tectubi Raccordi** Welded Pipes Division, thus broadening the product range through the direct production of welded pipes from 3" and including all non-standard sizes and clad pipes from 6" up to 100" OD **in every type of steel**. Since then, the company has invested in equipment such as brake presses, heat treatment furnaces, rolling/welding/turning machines, so as to guarantee the highest production standards according to the international specifications and to shorten the delivery time.

The company produces welded pipes up to 70 mm wall thickness and up to 12,2 meter, lengths.



## Company details

**Company Name**  
GIEMINOX TECTUBI  
RACCORDI S.R.L.

**Registered Office**  
Via Lago di Vico, 22  
36015 Schio (Vicenza), Italy

**Chamber of Commerce**  
REA/VI 344108

**Paid Capital**  
Euro 2,000,000.00

**VAT No.**  
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# GIEMINOX - TECTUBI RACCORDI Welded Pipes Division Manufacturing

## Products and target markets

### LONGITUDINALLY WELDED PIPES

#### MANUFACTURING RANGE

Outside diameter:  
*from 3" to 100" and including all non-standard sizes, per  
ASTM/ASME/DIN standards*  
Wall thickness range: *from 3 mm to 70 mm*  
Length range: *up to 12.2 m*

#### MATERIALS

Stainless steel 300 series, heat resistant steels,  
super-austenitic alloys, nickel, nickel alloys, nickel/copper  
alloys, duplex, superduplex, titanium, copper-nickel, API 5L  
grades and alloy steel.

Possibility to supply  
fixed and random  
lengths up to 12 meters.  
Shorter length supplied  
without a minimum  
quantity.



### LINED PIPES

#### MANUFACTURING RANGE

Outside diameter outer pipe: *from 6" to 24"*  
Wall thickness outer pipe: *from 10 mm to 35 mm*  
Length range: *from 2 m to 12,2 m*

#### MATERIALS

Carbon steel or high yield strength steels are used as outer  
pipes: API 5L grades: X42 – X52 – X60 – X65 – X70  
EEMUA grades: EP360 – EP415 – EP450 – EP485  
DNV grades: 360Mpa – 415Mpa – 450Mpa – 485Mpa  
CRA lined pipes can be manufactured in: Stainless steels  
300 series: 304L, 316L, 317L Super-austenitic alloys: 6Mo,  
254 SMO, 904L  
Nickel alloys: Monel 400, Inconel  
625 and Incoloy 825  
Super-Ferritic steel: 470LI

Mechanically lined pipes, are  
manufactured by **Gieminox**  
**Tectubi Raccordi** using  
process designed and  
developed in-house, according  
to API 5LD and DNV OS F-101.



### LONGITUDINALLY WELDED CLAD PIPES

#### MANUFACTURING RANGE

Outside diameter outer pipe: *starting from 6" to 100"*  
Wall thickness outer pipe: *from 10 mm to 70 mm*  
Length range: *up to 12.2 m*

#### MATERIALS

Base material: carbon steel, high-yield grades, low alloy  
steels. Clad materials: SS304L, SS316L, SS317L, SS410,  
alloy 625, alloy 825, etc.

Clad pipes are produced from hot roll-bonded clad plates;  
explosion bonded plates may be used as  
an alternative for fast deliveries.

Clad plates are formed  
into pipes and then  
longitudinally welded  
by SAW/GTAW/PAW  
techniques.



The target markets in which **Gieminox Tectubi Raccordi** operates are: oil&gas, petrochemical, thermal and nuclear power, mining and water treatment.

## Materials used and related International Standards

## Design codes

ASME B31.3 - AD 2000  
Merkblatt W0  
PED 97/23/CE - API  
5L/5LC/5LD - DNV OS-F101

### STAINLESS STEEL

304/L - 304/H - 316/L  
317/L - 321/H - 347/H  
309/S - 310/S - 410/S - 904L  
254SMO - 6Mo  
253Ma - UREA grades

### DUPLEX AND SUPERDUPLEX STAINLESS STEEL

UNS S31803 - UNS S32205  
UNS S32750 - UNS S32760  
UNS S32550 - UNS S32101

### CARBON AND ALLOY STEEL FOR ROOM, MODERATE AND ELEVATED TEMPERATURES

P5 - P9 - P11 - P91

### NICKEL AND NICKEL ALLOYS

UNS N02200 - UNS N02201  
UNS N10276 - UNS N06622  
UNS N06455 - UNS N10665  
UNS N10675 - UNS N06600  
UNS N06601 - UNS N06617  
UNS N06625 - UNS N08825  
UNS N08800 - UNS N08810  
UNS N08811 - UNS N08330  
UNS N08020 - UNS N08028  
UNS N08031 - UNS N06059

### TITANIUM

UNS R50250 - UNS R50400

### COPPER-NICKEL ALLOY

UNS C70600 (Cu/Ni 90/10)

## Manufacturing Standards

ANSI B36.10 - B36.19  
B16.25

ASTM A268 - A269 - A312  
A358 - A778 - A790 - A928  
B444 - B474 - B514 - B515  
B517 - B673 - B705 - B725  
B862

EN 10217-5 - 10217-7  
10296-2

NORSOK M630

API 5L/5LC/5LD

DNV OS-F101

### CARBON STEEL OR HIGH YIELD STRENGTH STEELS ARE USED AS OUTER PIPES:

API 5L grades:  
X42 - X52 - X60 - X65 - X70  
EEMUA grades:  
EP360 - EP415 - EP450  
EP485  
DNV grades:  
360Mpa - 415Mpa  
450Mpa - 485Mpa



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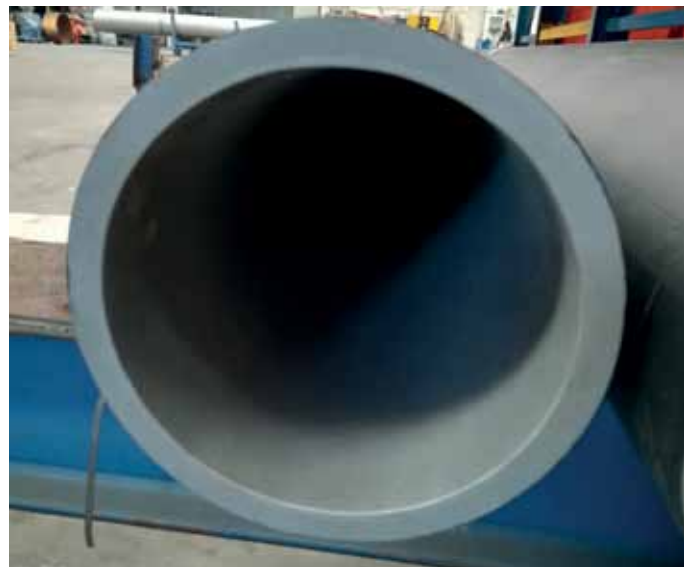
## Clad pipes

**Gieminox Tectubi Raccordi** produces a full range of clad products for oil&gas and other markets.

Great efforts are made by the pipeline industry for the transportation of oil and gas from distant regions to the final market. Since the new fields are located in ultra-deep water, where pressures and temperatures are high and the environments very corrosive, the material has to be much more resistant. On the one hand, low-alloy carbon steels tend to be structurally adequate, but lack corrosion resistance; on the other hand, stainless steels and nickel alloys resist corrosion environments, but lack strength and are very expensive.

Pipes, bends and fittings made from metallurgically-bonded clad plates represent a good technical and economic solution to the problems arising from flowlines characterized by high pressures, extreme temperatures and high corrosive environments.

Effectively, in a clad pipe or fitting, the unalloyed carbon steel sustains the internal and external pressure, while the high-alloy cladding provides the corrosion protection.





## GIEMINOX TECTUBI RACCORDI'S STRENGTHS

- Fast track delivery
- All materials
- No minimum quantity
- Compliant to all technical specifications

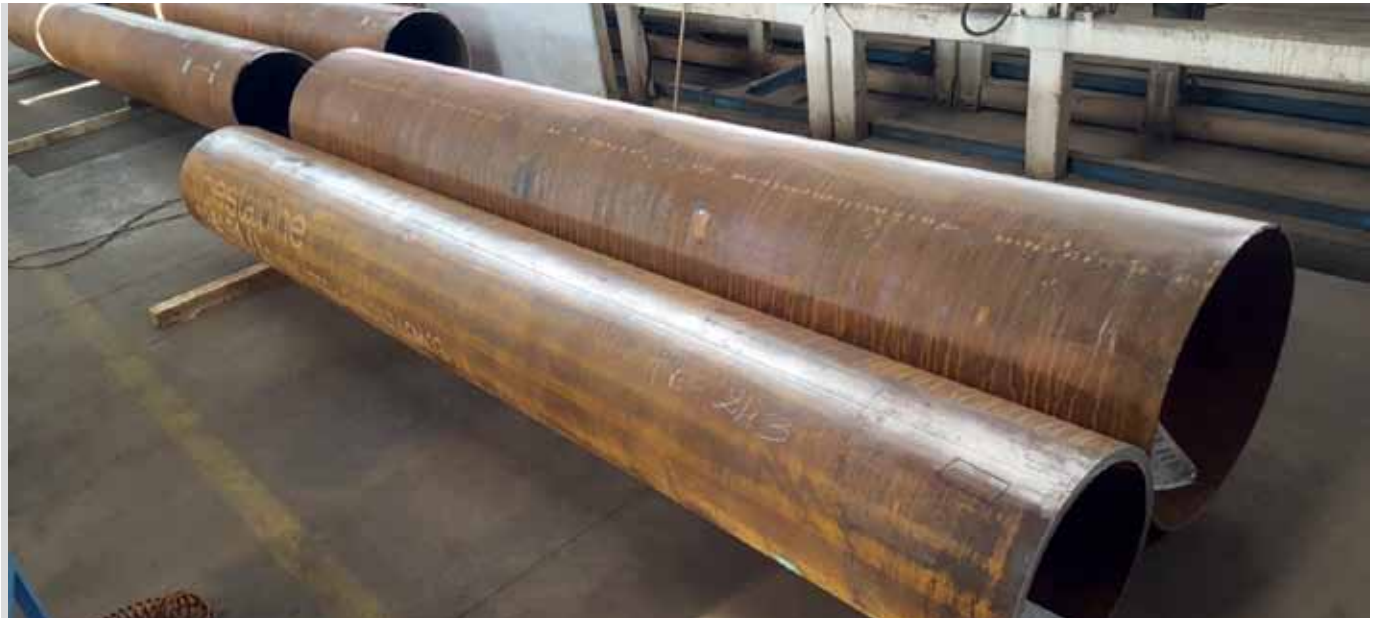
Gieminox Tectubi Raccordi is the ideal partner for anyone looking for a fast track delivery service, for any type of material, with no minimum quantity requirement, and in compliance with the most stringent technical specifications.



# GIEMINOX - TECTUBI RACCORDI Welded Pipes Division Manufacturing

## Vast experience for the nuclear industry

Thanks to partnership with **Tectubi Raccordi**, who has over 60 years of expertise in manufacturing pipes and fittings for the nuclear industry, **Gieminox** has acquired vast experience in the production for the nuclear power sector.



## Leader in the production of metallurgically clad pipes

In recent years **Gieminox Tectubi Raccordi** has become one of the main suppliers of metallurgically clad pipes thanks to its experience supplying major orders of clad pipes in various combinations of metals.







## Certifications

- API Monogram licenses 5L/5LC/5LD
- ASME U - Stamp
- CUSTOM UNION Certificate TRTS 32/2013
- ISO 3834-2:2006 by TÜV SUD
- ISO 9001:2015 by Bureau Veritas
- NORSOK M-650
- PED 97/23/EC by TÜV NORD
- MARITIME DNV GL

In addition to these Certifications, issued by public entities and organizations, **Geminox Tectubi Raccordi** has Approvals issued by private and public companies, such as **ADNOC, ARAMCO, BP, Petronet LNG, Saipem.**

# ALLIED IN THE WORLD



ALLIED GROUP

*The fitting choice worldwide*

## GIEMINOX TECTUBI RACCORDI S.R.L.

**Administration and Works**

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*Gieminox Tectubi Raccordi S.r.l. is part of Allied International Group*