



**RIVIT**  
think heavier

Welded pipes in stainless steel and special alloys

Welded pipes in stainless steel and special alloys

and special alloys  
Welded pipes in stainless steel and special alloys

ASTM A790

14" SCH. STD



Rmt is a privately owned company, founded in 1960.

Our mill is one of the world's leaders in the production of pipe and fittings in stainless steel and special alloys. Continued research and investment in the latest machinery has allowed us to be at the forefront of working practices and technology. The skills developed over 50 years manufacturing have earned us an excellent reputation for the reliable supply of product to major projects where quality and flexibility are paramount.

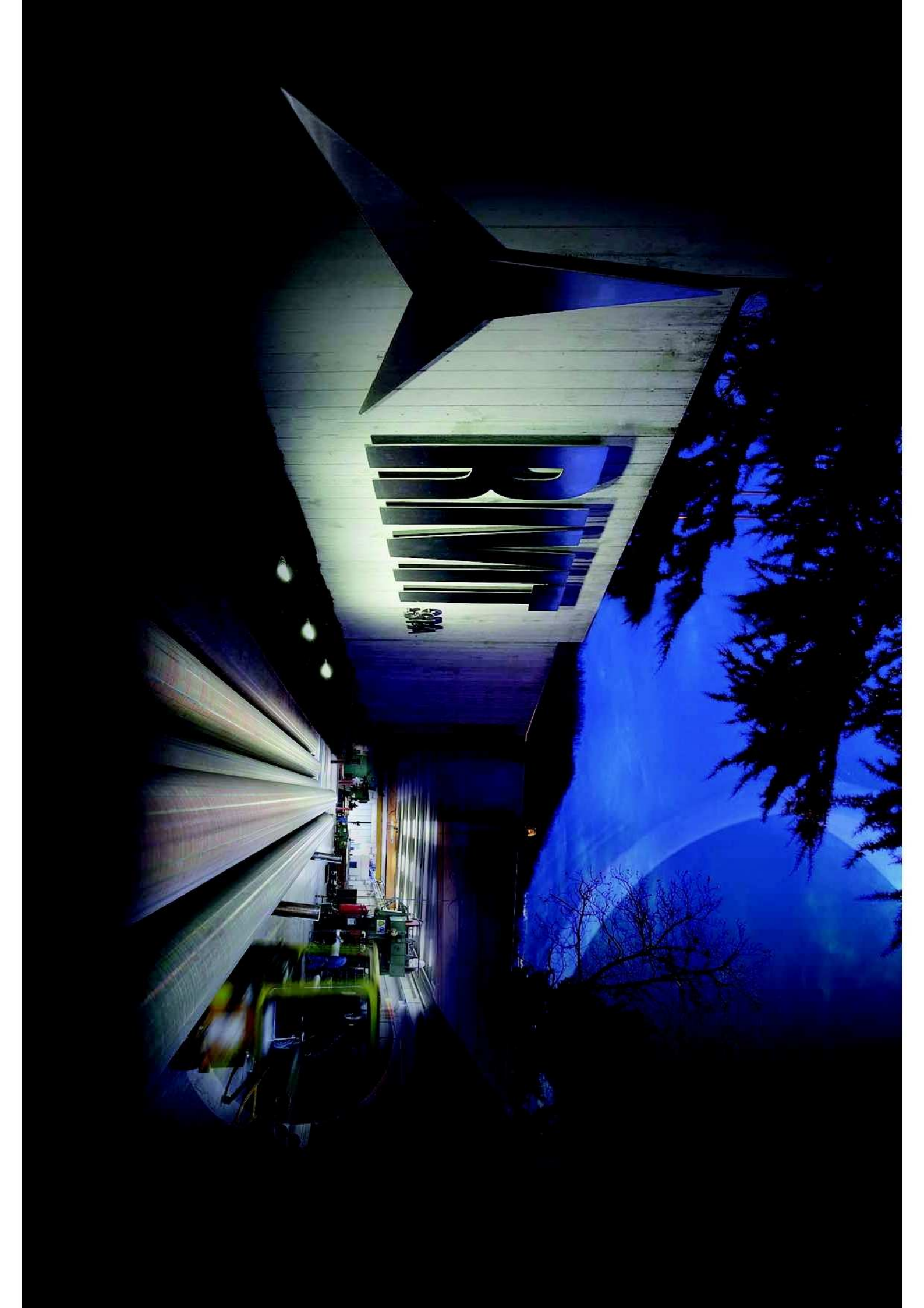
Whilst specialized in producing pipe from plates with thin wall thickness, recent investment has allowed our range to include medium/heavy walls of up to 60 mm, in double random lengths of up to 12,000 mm and covering a range from 2" through to 72" NB.

The company is also technically qualified and fully equipped to perform any complementary operation, in order to maintain full control of the product throughout the process of the production cycle.

Our range of pipe is complemented by a selection of products in non standard "exotic dimensions" and includes: hollow and box section, elbows, concentric and eccentric reducers, equal and reducing tees. Thanks to our considerable production capability and capacity, the directors, with the support of a well trained and dedicated staff, have the confidence to offer shorter deliveries and the competence to complete major project work with more demanding technical and quality requirements.

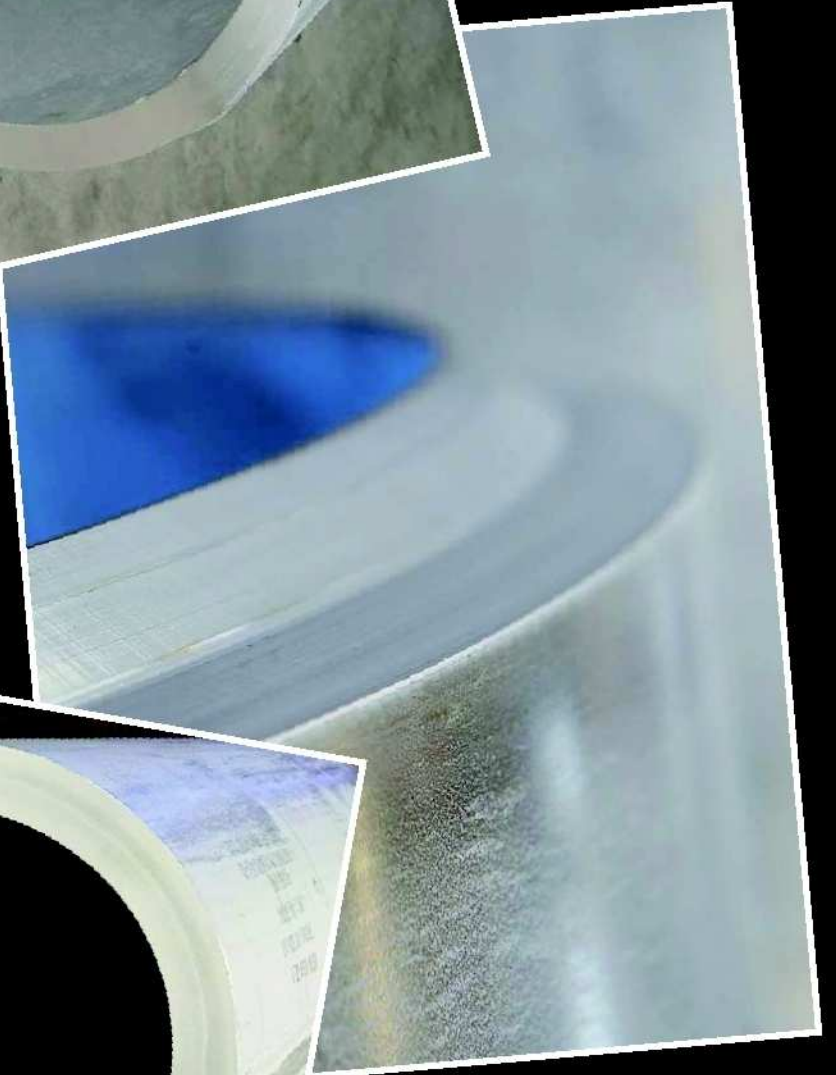
-P3714/07





# New goals New goals

The latest investment allows the production of pipe to Sch. 160 in double random lengths.



1001





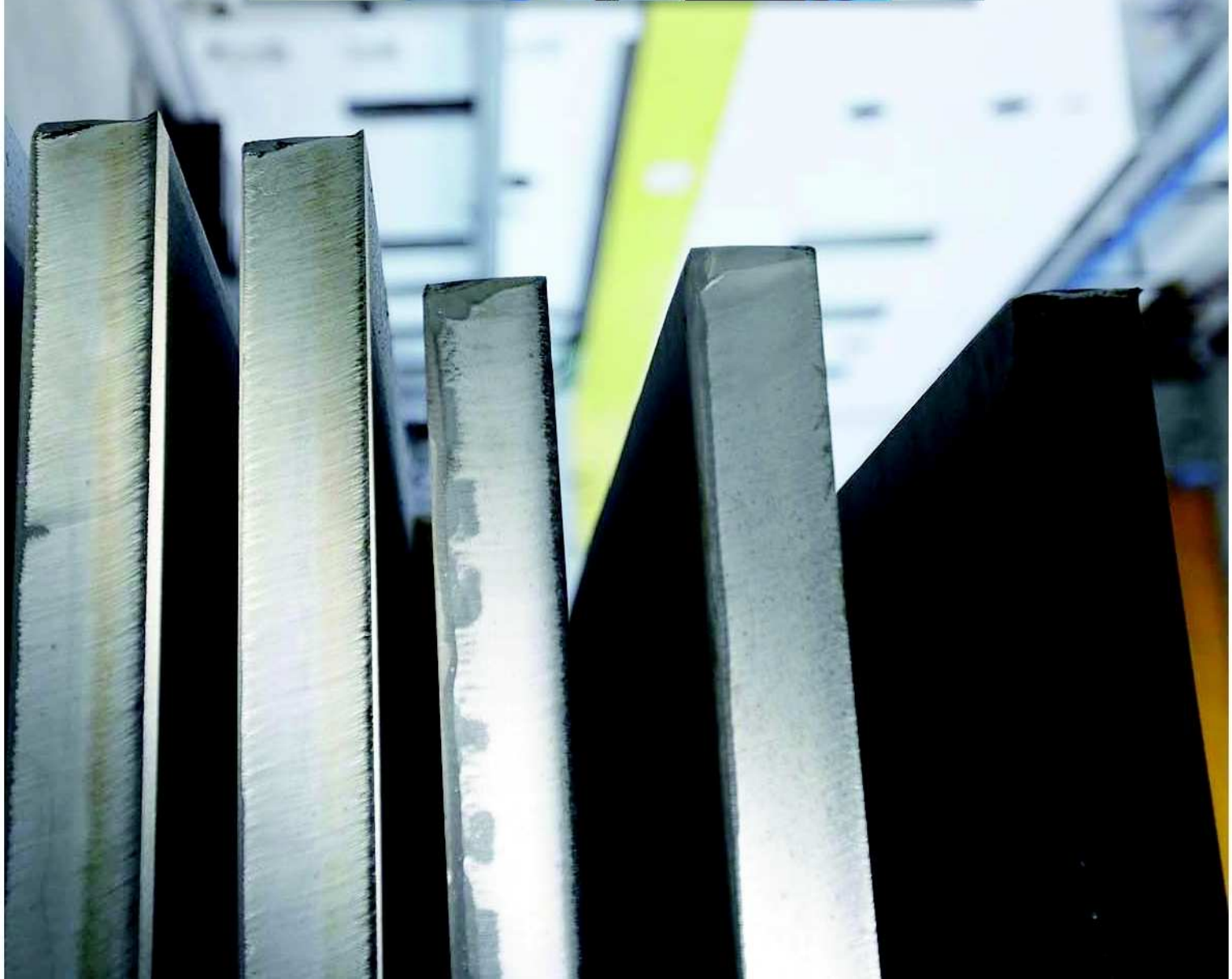
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Full control  
Full control  
Full control



Raw material and consumables are purchased only from approved qualified suppliers. All incoming plates are inspected visually, dimensionally and PMI checked in order to fulfill the requirements of our internal procedures. When requested, before starting to work the raw material, further tests and verifications may be performed, including ultrasonic, hardness and dye penetrant tests. We also carry out random chemical analysis tests.





Enhanced technology Enhanced technology



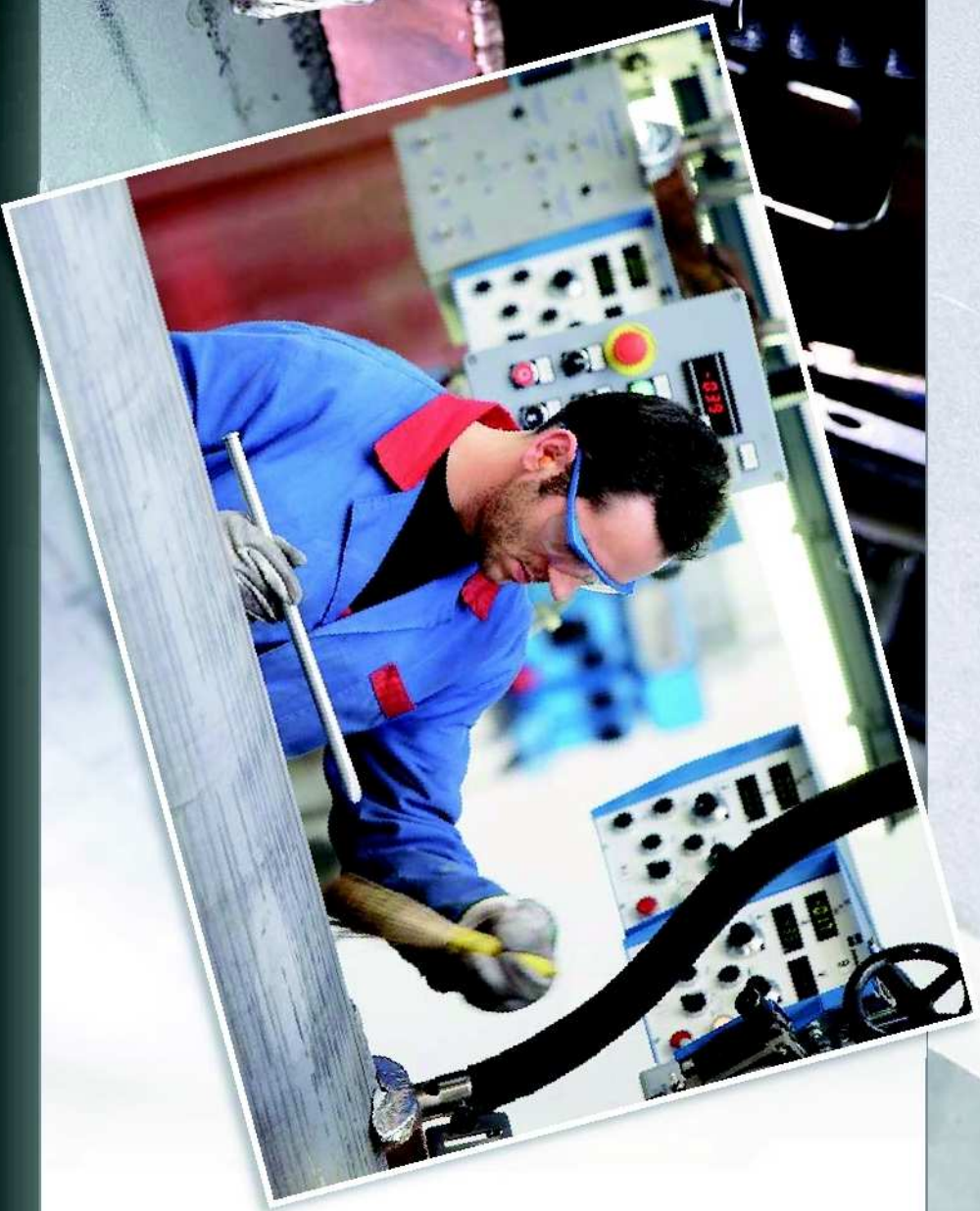
By harnessing the latest technology we are able to facilitate the forming of heavy wall products to a high performance finish, ready for welding.

8-CL1



AS  
TP

Welding  
Welding  
Welding



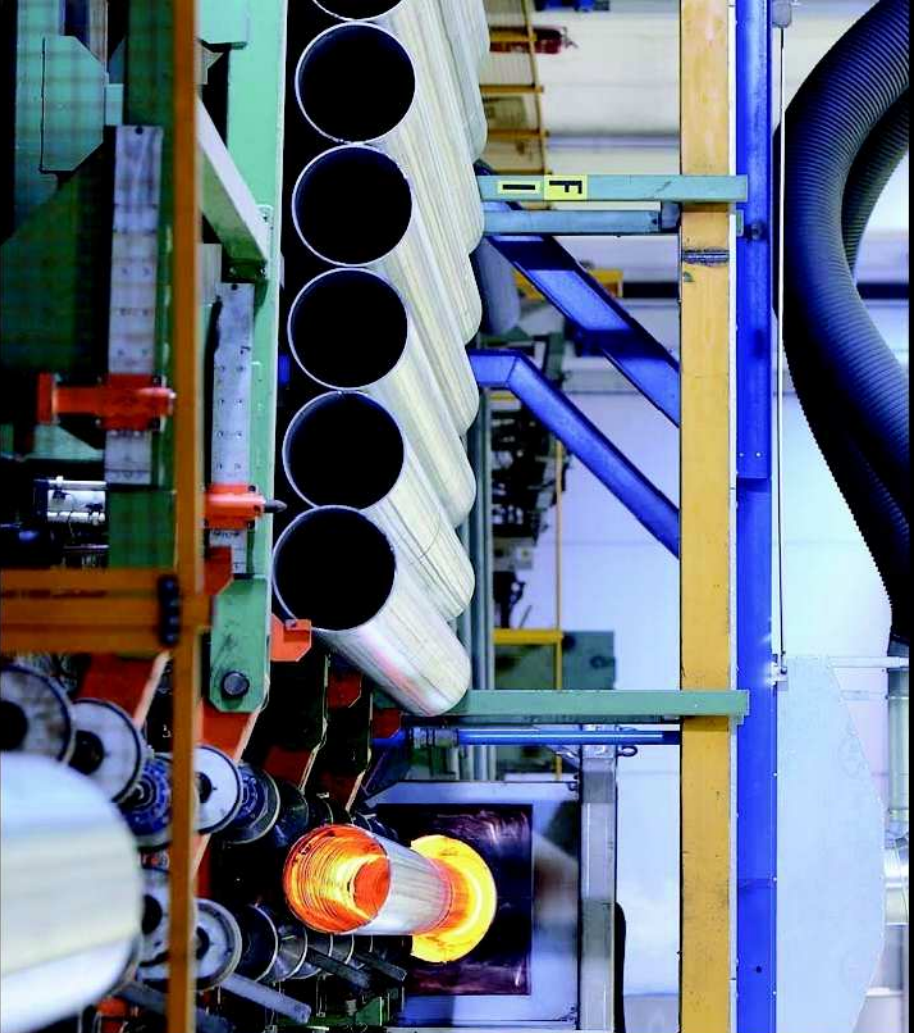
All welding procedures are in accordance with international requirements and approved by: Lloyd's Register; TÜV; Bureau Veritas, Det Norske Veritas, Finna.



The calibration plant works the pipe to the dimensions and tolerances as required by the specification.

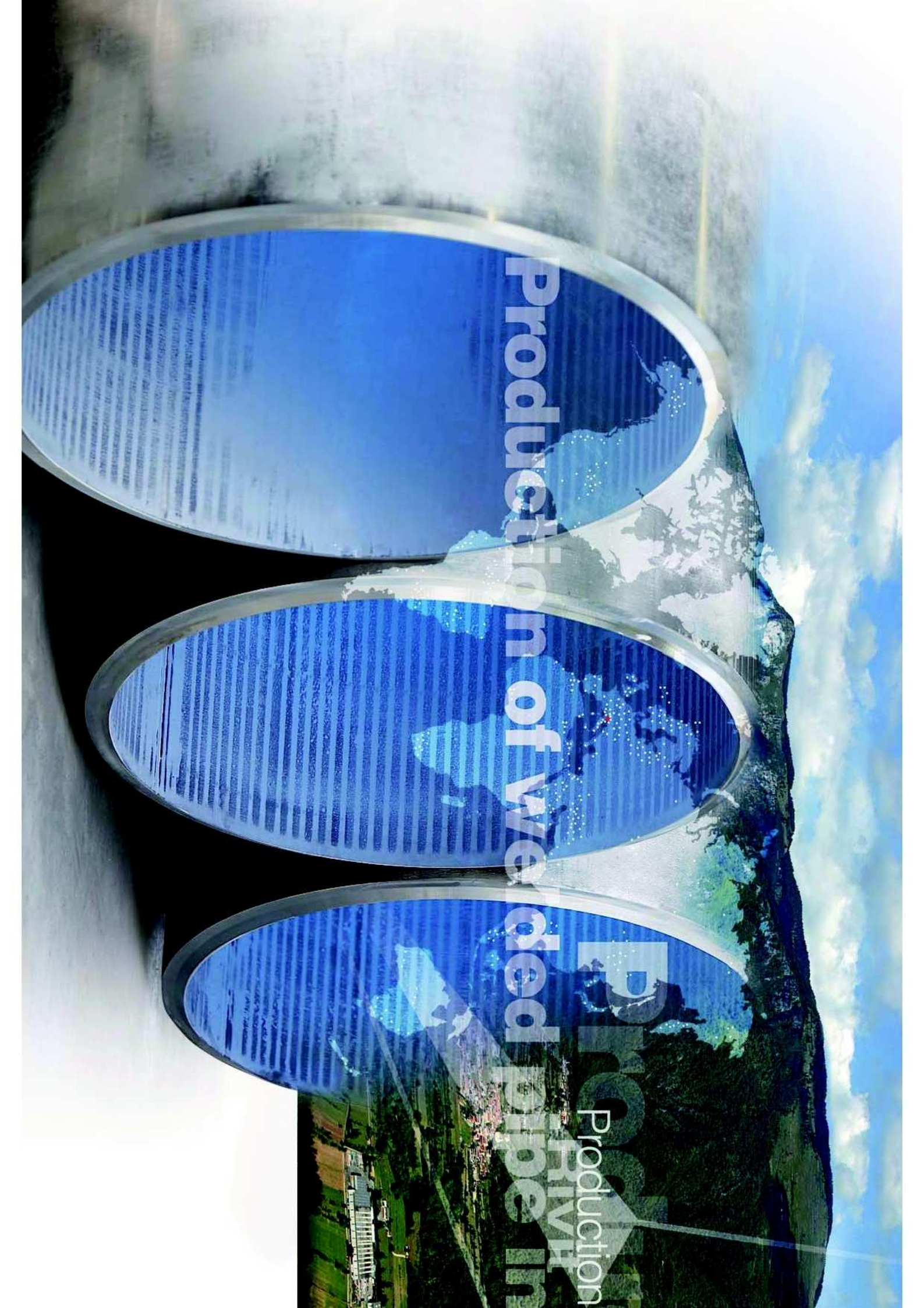


## PWHT Post weld heat treatment PWHT Post weld heat treatment



Rivit's heat treatment department has both induction and batch type furnaces which are calibrated in accordance with ASTM A 991 and API 5L for annealing and stabilising of all materials.





Production of welded pipe in

P R I V I M  
Production



# RIVIT

of welded pipe and fittings in stainless steel and special alloys  
production of welded pipe and fittings in stainless steel and special alloys  
stainless steel  
special alloys

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# High pressure

High pressure

We test with hydrostatic machines, the latest of which has a capacity greater than 600 bar on pipe of 12.000 mm. long.





## Cleaning Cleaning

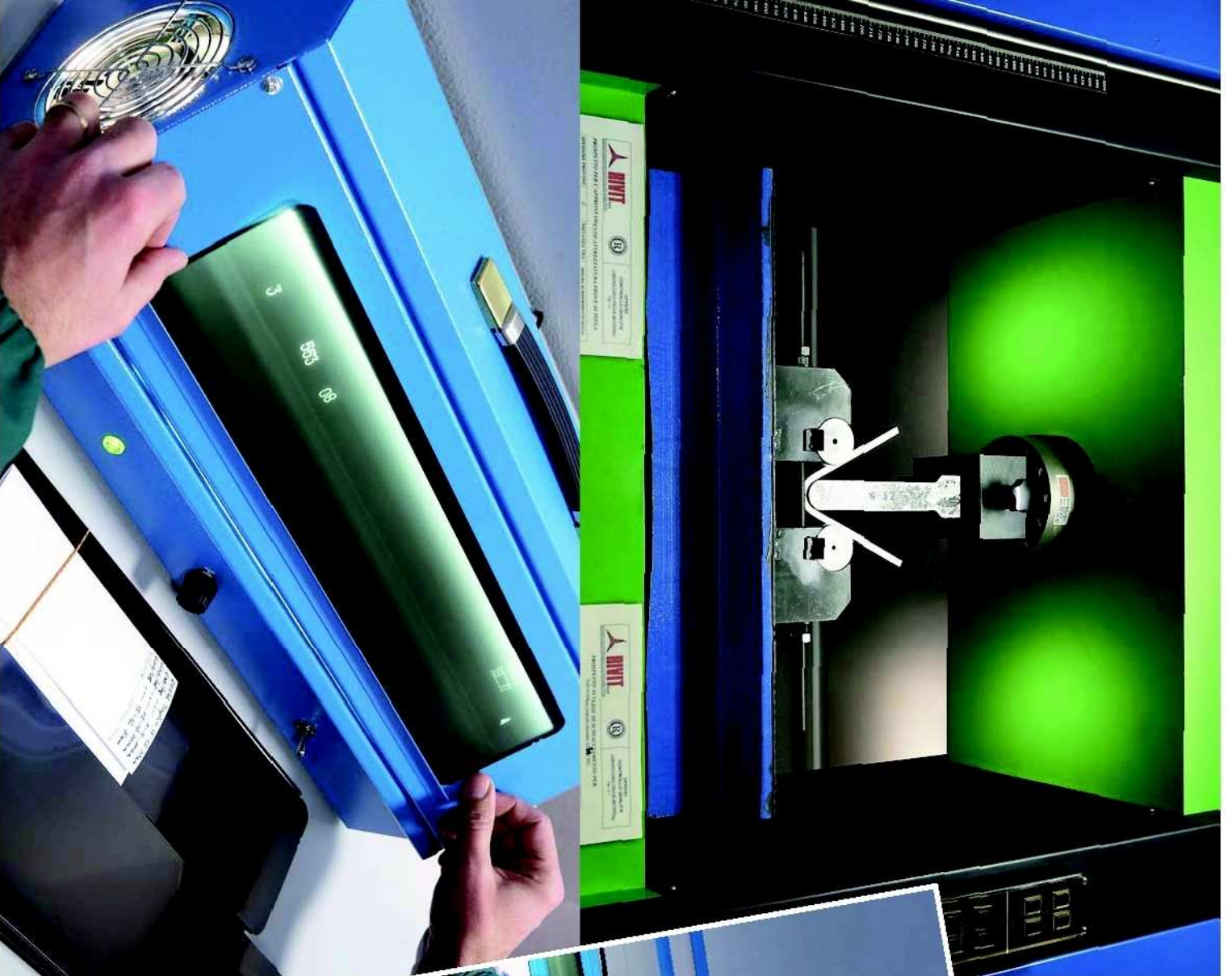
At the end of the production cycle all pipes are pickled, passivated and dried, fully in accordance with environmental regulations.



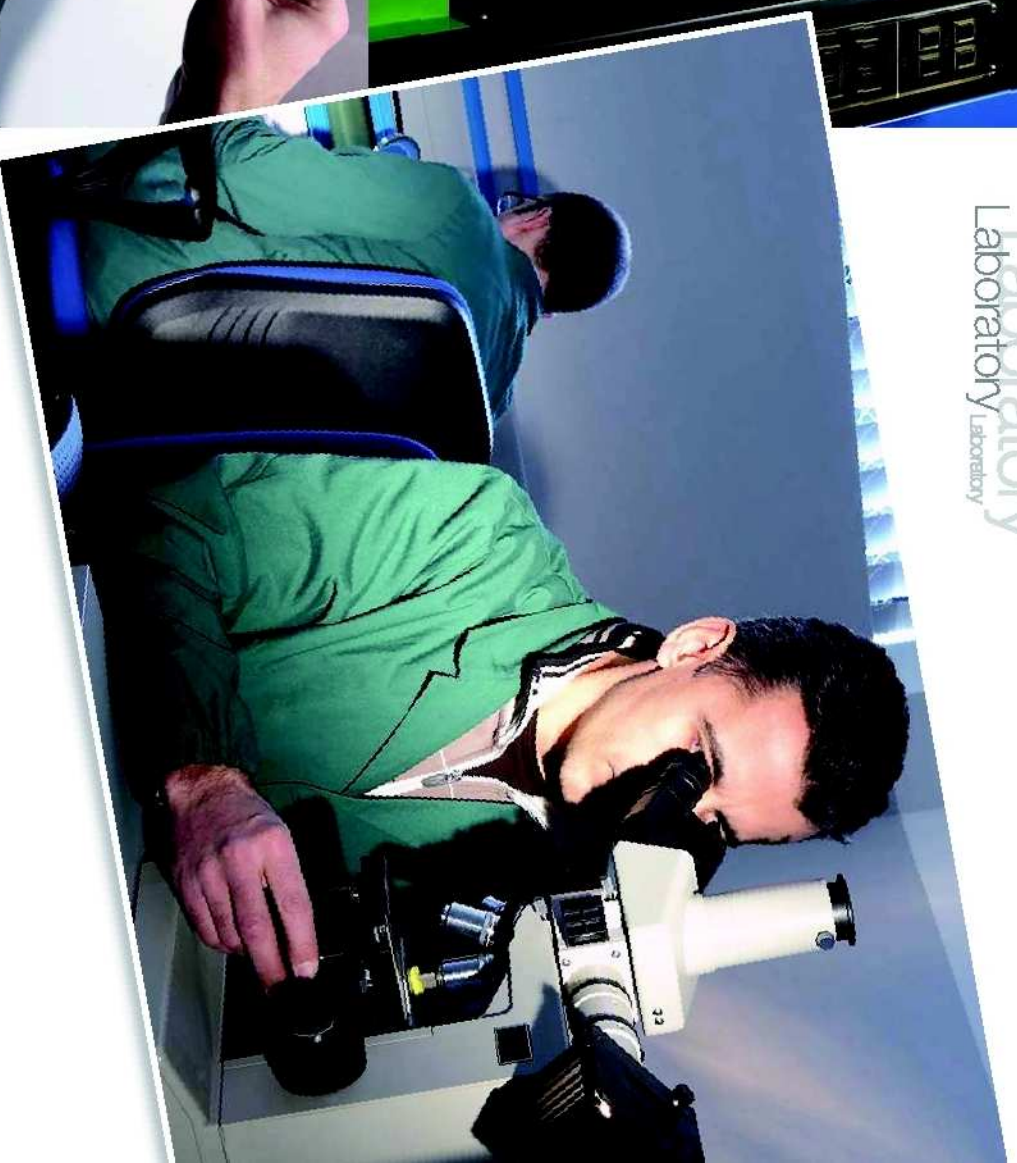
NDE  
NDE  
NDE

X-Rays are taken in the two computerised bunkers and controlled by latest generation technology. All NDT personnel are qualified according to ASNT and EN.



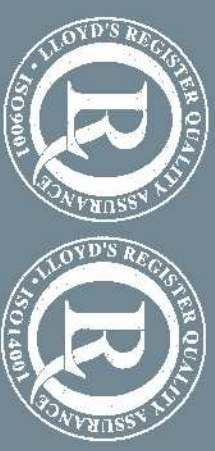
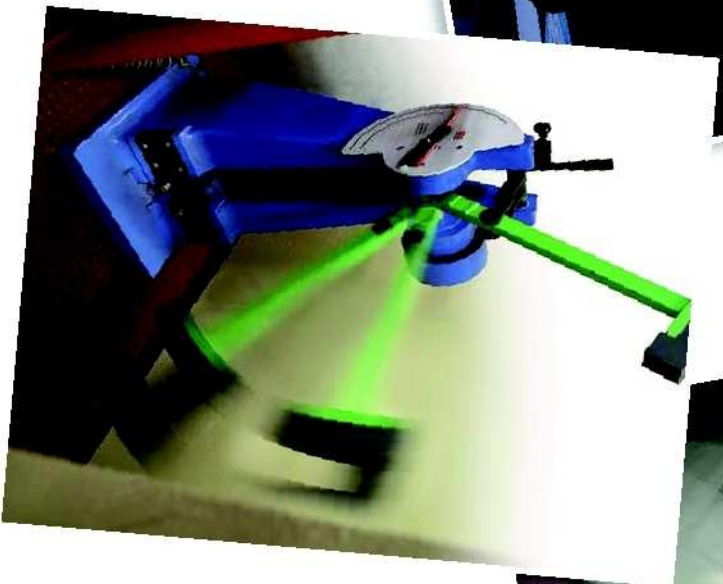


# Laboratory Laboratory Laboratory



Testing to the specified national and international standards is completed in the laboratory within Rivt. All test equipment is certified by SIT. Authorised and certified external / independent Laboratories may be used when special tests are required, or when specified by the client.





During the production cycle, all material is constantly monitored and checked by qualified personnel using the most recent technological instrumentation, calibrated as required by our internal quality procedure. From our formative years, Rivit regarded the quality of its products of prime importance and has continued to improve the quality system in line with the relevant standard. The production system has been certified by Lloyd's Register Quality Assurance in accordance with ISO 9001/2000 since 1993, and in order to satisfy environmental issues, Rivit has been certified in accordance with ISO 14001 since 2006.

# Complementary products

Complementary products



1



2



3



4



5



6



7



8



9



10

**1. 2.** Welded elbows in two halves, up to 36" NB, with wall thickness to 12,70 mm, in LR and SR also 2,5D and 3D in thin wall thickness. **3. 4. 5.** Welded concentric and eccentric reducers, equal and reducing tees up to 42" NB, with wall thickness to 12,70 mm. **6.** Square and rectangular box section from 80 x 80 up to 350 x 350 with thickness from 5 to 12 mm. **7. 8. 9. 10.** Supply of collars, flanges, pipe hangers, small fittings and stock pipes from 1" to 24" NB thickness up to 4 mm, in TP 304L and TP 316L.



# Final check and release

Final check and release



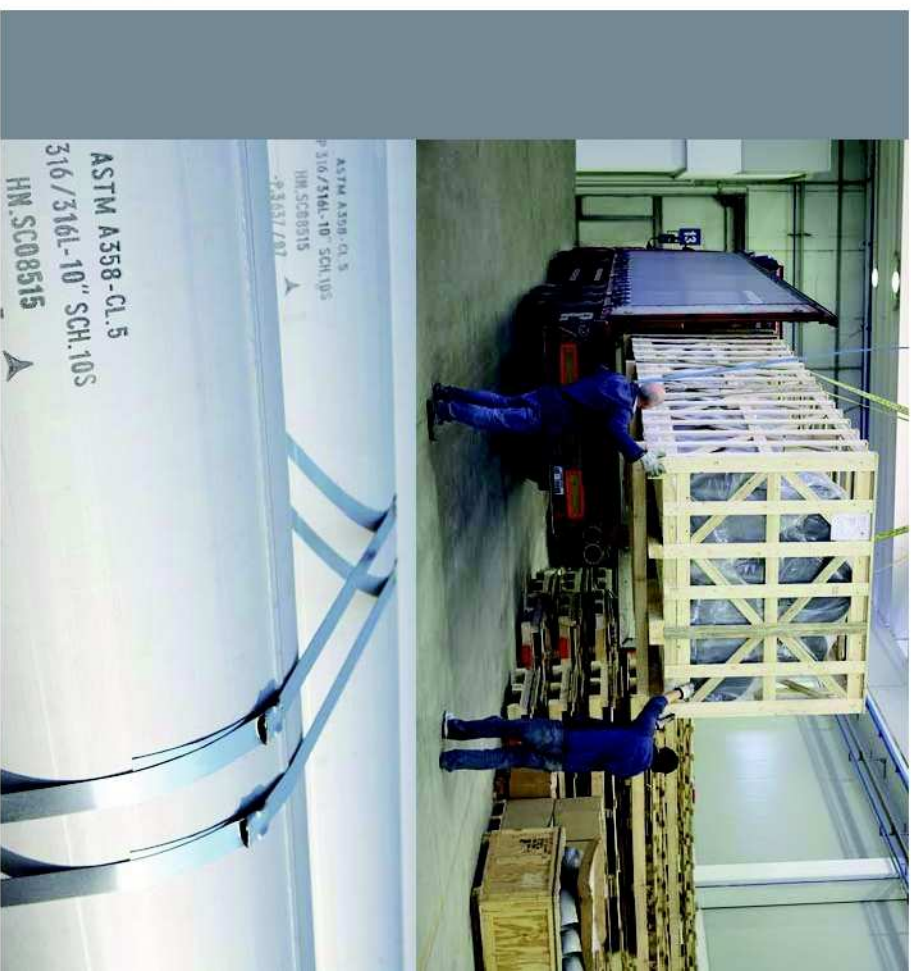
Before shipping or final inspection, every item is thoroughly checked by our own QA staff against the order requirements to ensure that all tests have been completed and passed before final release.

A 100% PMI check is performed on all items (base material and weld) in accordance with our internal inspection procedure.



# Packing and shipping

Packing and shipping





The ample site of over 66,000 m<sup>2</sup> allows easy and organised movement of product through out each cycle and finally to despatch. The different types of packaging offered, the availability of finished products and the attention paid in scheduling loading, help us to satisfy our clients and their forwarders quickly and efficiently.





# Production range

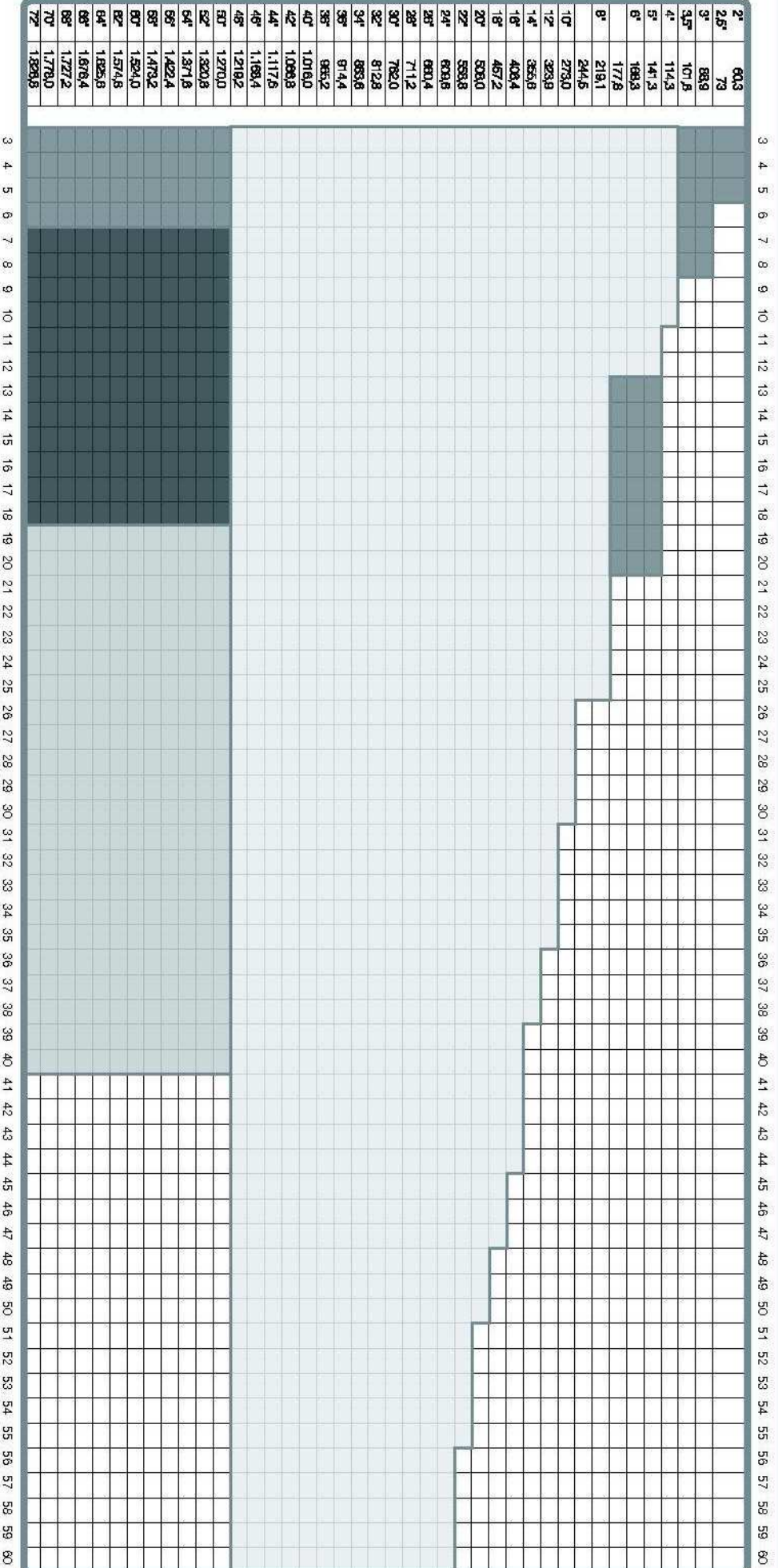
Production range

Up to 6,000 mm.

Up to 12,000 mm.

Up to 6,000 mm. (up to 12,000 mm. with girth weld)

Up to 4,000 mm. (up to 12,000 mm. with girth weld)



## RIVIT SpA

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## Material range Material range

### Austenitic stainless steel

TP 304/L; TP 304/H; TP 309/S; TP 310/S;  
TP 321/H; TP 347/H; TP 316/L; TP 316Ti;  
TP 317L; UNS S30815

### Super austenitic stainless steel

UNS N08904; UNS N08367;  
UNS N08926; UNS S31254;  
UNS S32654; UNS S34565;

### Duplex stainless steel

UNS S31803; UNS S32101;  
UNS S32205; UNS S32550;  
UNS S32750; UNS S32760

### Nickel alloys

UNS N022200; UNS N022201;  
UNS N04400; UNS N06007;  
UNS N06022; UNS N06059;  
UNS N06455; UNS N06600;  
UNS N06601; UNS N06617;  
UNS N06625; UNS N06985;  
UNS N07718; UNS N08020;  
UNS N08028; UNS N08031;  
UNS N08800; UNS N08810;  
UNS N08811; UNS N08825;  
UNS N10276; UNS N10665;  
UNS N10675

### Titanium

Gr. 1; Gr. 2; Gr. 3; Gr. 5; Gr. 7; Gr. 11; Gr. 12

### Zirconium

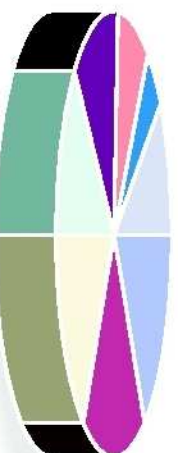
### Copper alloys

UNS C70600; UNS C71500

### Clad

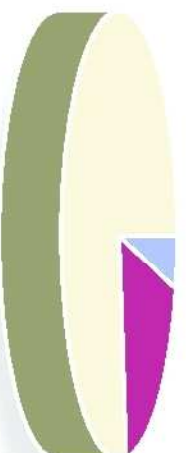
## Materials

TP 304/304L	16,00%
TP 316/316L	18,00%
Duplex	16,00%
Superduplex	13,00%
Titanium	13,00%
Nickel alloys	9,00%
Cu-Ni	5,00%
Others (904L, 8Mo, 310S...)	10,00%



## Specifications

Standard	4,00%
EN	19,00%
ASTM	77,00%



## Reference List

ABB Engineering  
Agip  
Albel  
Air Liquide  
Aker Kvaerner  
Becthel  
Bluewater  
BP  
CB&I  
Chiyoda  
ConocoPhillips  
Enagas  
Enel  
Eri  
Esso  
Exxon Mobil  
Foster Wheeler  
KBR  
Linda  
Metsco  
Petrobras  
Petromas  
Repsol  
Saipem  
Shell  
Snamprogetti  
Statoil  
Talisman Energy  
Technip  
Total  
Tractebel  
Woodside Energy

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