ALLIED GROUP

FITTINGS AND PIPING SOLUTIONS FOR THE ENERGY MARKETS

WORKING SO THAT ENERGY MAY CROSS THE WORLD

In a globalized world with its ever-increasing need for energy, Allied International Group has become a reference point for excellence in the manufacture and distribution of fittings, pipes, bends, clad products and specialties for the upstream, midstream and downstream sectors of oil&gas, thermal and nuclear power generation.

The Group was founded in 2000 by two well-known business managers in the buttwelding fittings sector, Valter Alberici and Marc Herzstein, with the mission of becoming a one-stop solution partner for their clients.

Its headquarters are in Nibbiano, Piacenza, Italy, from where the Group operates with the most accredited EPC companies in their energy generation and distribution projects, along the lines of the internationalization principle, while still maintaining unity through its shared cultural roots.

The Group's business model is characterized by complete control of the supply chain, with integrated production, stock and distribution operations. A strong market image reinforced by genuine trust has enabled very rapid growth in all areas of the world.

"Working so that energy may cross the world. Working with the passion and skills of our people. In this way even our own energy becomes strength, safety and productivity that reaches everyone. In this way even pipes and fittings can unite the world and improve quality of life."

Valter Alberici and Marc Herzstein
Presidents of Allied International Group

ALLIED INTERNATIONAL GROUP

p. 6 **ALLIED INTERNATIONAL** Distribution & Stock

p. 16 **TECTUBI RACCORDI** Manufacturing

p. 28 **GIEMINOX** Manufacturing

p. 34 **TECTUBI TIANJIN FITTINGS** Warehouse

p. 36 **RACCORDI FORGIATI** Manufacturing

p. 40 **BASSI LUIGI & C.** Manufacturing

p. 48 **SIMAS** Manufacturing

p. 56 **INTERFIT** Manufacturing

PHOCÉENNE Commercial p. 60

PIPING TECHNOLOGIES Manufacturing p. 64

SAIC Manufacturing p. 68

BSL Manufacturing p. 72

PETROL RACCORD Manufacturing p. 76

JOINT VENTURE AASIA-ALLIED Manufacturing p. 80

MANDELLI Machining Centers Manufacturing p. 84

ALLIED INTERNATIONAL

DISTRIBUTION & STOCK

ALLIED INTERNATIONAL

DISTRIBUTION & STOCK

COMPANY PROFILE

Since its inception in 2000, **Allied International**, mother company and commercial arm of **Allied International Group** has become a one-stop solution and worldwide leader in distribution and stock management for all kinds of fittings, flanges, pipes, lined-clad and bored pipes, large-radius bends and special supplies for petrochemical, oil, gas and power industries for the production, transportation and transformation of energy.

The company provides a full range of products and materials, through integrated processes which allow a fast order service.

Close co-operation with clients, 50,000 items available for prompt delivery, a staff of skilled professionals and constant attention to the market trends are at the basis of the rapid growth of **Allied International** all over the world.

COMPANY DETAILS

Company Name
ALLIED INTERNATIONAL S.R.L.
FITTINGS AND FLANGES

Chamber of Commerce
REA/PC 150342

Registered Office
Località Vascellino di Nibbiano
29031 Alta Val Tidone
(Piacenza), Italy

Paid Capital: Euro 650,000.00

VAT No. IT 01294450331

Sales Office & Administration
Località Vascellino di Nibbiano
29031 Alta Val Tidone (Piacenza), Italy

Warehouse
Via Emilia Pavese, 34/A
Località Campo d'Oro
29015 Castel San Giovanni (Piacenza), Italy

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Fax: + 39 0523 991277

E-mail: alliedfittings@alliedfittings.com

Website: www.alliedfittings.com

ALLIED INTERNATIONAL

DISTRIBUTION & STOCK

PRODUCTS & TARGET MARKETS

Allied International stocks and supplies fittings, pipes, flanges and related products to world-leading EPC companies.

The company supports its clients' projects in the up/mid/downstream and power generation sectors from its headquarters in Nibbiano, Piacenza, Italy, and through the main warehouse (total area 100,000 sq m), which is part of the production/ distribution facility of Castel San Giovanni (Piacenza, Italy, total surface 351,000 sq m).

Allied International's range of prompt delivery stock comprises 24,000 tonnes of carbon steel, alloy steel, stainless steel and non-ferrous alloys including equal and reducing tees, crosses, concentric and eccentric reducers, caps, 90° and 45° long radius elbows, 180° long radius return bends, 90° short radius elbows, 180° short radius return bends, lined and clad pipes in all schedules according to ANSI B36.10 and ANSI B36.19 and up to schedule XXS and over, in sizes up to 120" NPS.

The company also provides integrated services to the Group's manufacturers so as to support the efficiency of the supply chain and operations, the development of the commercial network and the constant availability of volumes, ranges and quality.

THE ALLIED INTERNATIONAL NETWORK

Allied International's network allows a close relationship with the clients and consists of:

- the Group's manufacturers, longstanding leaders in the fittings and piping markets:

Tectubi Raccordi, Tectubi Raccordi Bending Division, Gieminox-Tectubi Raccordi Welded Pipes Division, Raccordi Forgiati, Bassi Luigi, Simas, Interfit, Piping Technologies, SAIC, BSL Pipes and Fittings, Petrol Raccord

- a worldwide commercial network, built on the concept of internationalization:

ALLIED INTERNATIONAL
United Kingdom
Location: head office and plant in Grangemouth, offices and warehouses in Aberdeen and Teesside
Target markets: projects and EPC companies in UK

ALLIED INTERNATIONAL
France
Location: head office in Marseille, representative office in Algiers, Algeria
Target markets: projects and EPC companies in France and in the Maghreb area.

ALLIED INTERNATIONAL
The Netherlands
Location: Office in Dordrecht
Target markets: EPC companies in Benelux and Germany.

ALLIED INTERNATIONAL
Southern Africa
Location: head office in Johannesburg
Target markets: projects and EPC companies in Sub-Saharan Africa.

ALLIED INTERNATIONAL
South Africa
Location: head office in Johannesburg
Target markets: operating in partnership with a historical South African group, this subsidiary embraces all South African industries.

ALLIED INTERNATIONAL
Mozambique
Location: office in Maputo
Target markets: projects and EPC companies in Sub-Saharan Africa.

ALLIED INTERNATIONAL
Nigeria
Location: office in Lagos
Target markets: local projects and EPC companies in Sub-Saharan Africa.

ALLIED INTERNATIONAL
Ghana
Location: representative office in Accra. Target markets: local projects and EPC companies in Sub-Saharan Africa.

ALLIED INTERNATIONAL
Gabon
Location: representative office in Libreville. Target markets: local projects and EPC companies in Sub-Saharan Africa.

ALLIED INTERNATIONAL
Angola
Location: representative office in Luanda. Target markets: projects and EPC companies in Sub-Saharan Africa.

ALLIED INTERNATIONAL
Kazakhstan
Location: office and warehouse in Aktau. Target markets: oil&gas and petrochemical plants in the Casplan and Central Asia areas.

ALLIED INTERNATIONAL
Singapore
Location: office in Singapore
Target markets: projects in Malaysia, Korea, Indonesia, Brunei, Taiwan, Thailand, Vietnam, Burma, Laos and the Philippines.

PHOCÉENNE
France
Location: head office in Vitrolles
Target markets: management of full packages for international companies in the oil&gas and power gen sectors.

TECTUBI TIANJIN FITTINGS
China
Location: head office and warehouse in Tianjin, sales office in Beijing
Target markets: China

Strategically positioned in Grangemouth (6,700 sq m), Aberdeen (2,450 sq m) and Teesside (3,250 sq m), and with factory and warehouses close to the major complexes of refining plants, **Allied International UK** has strengthened its position particularly in the UK gas sector, where it has gained formal qualifications for buttweld fittings, flanges and coated pipes. The stock volume of 4,000 tonnes enables the company to supply packages of fittings, pipes, flanges, gaskets, studbolts and ancillary products for the gas, oil, petrochemical and offshore sectors. It is accredited to ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007, and is registered in the Achilles Verify Register (Utilities Vendor Data Base) in respect of SHEQ requirements, and under FPAL to enable participation particularly in the UK offshore sector. More info available at www.alliedfittings.co.uk.

French experience in the piping and fittings business

Established in 2004 in Marseille, and with several years' staff experience in the piping and fittings business, **Allied International France** is a key hub dedicated to the development of marketing and penetration in the French market. The company is also focused on promoting business in the Maghreb countries and developing relationships with transnational EPC companies based in other countries such as UK or Japan. As well as these sales and marketing responsibilities, the staff provides support in sourcing.

ALLIED INTERNATIONAL

DISTRIBUTION & STOCK

ALLIED INTERNATIONAL SUB-SAHARAN STRUCTURE: THE HOLDING

Africa is the world's second largest and second most-populous continent; with 1.2 billion people, as of 2017, it accounts for about 16% of the world's population and hosts a large diversity of ethnicities, cultures and languages. Africa is a vast and fascinating continent of opportunities. In order to expand its worldwide network business, in 2013 **Allied International Group** founded its African holding: **Allied International Southern Africa**.

Allied International Southern Africa, located in Johannesburg, is the **Allied Group** gate to the Sub-Saharan region. Through this branch **Allied Group** governs, manages and administers its piping business in the Sub-Saharan countries embracing all energy industries. This was the first brick of **Allied Group** expansion in Africa.

Then in subsequent years, **Allied International Southern Africa** enlarged its focus and distribution network from the South-African market to the other Sub-Saharan most "energy" prominent regions within Africa, in order to develop a wide, deep and lasting presence in the continent.

ALLIED INTERNATIONAL SUB-SAHARAN STRUCTURE: THE OTHER COMPANIES

In 2014 **Allied International Group** founded Allied International Mozambique to settle its presence on the eastern coast and in 2015 it founded **Allied International Nigeria**, thereby positioning **Allied International Group** on the western coast too. All Sub-Saharan branches (South Africa, Mozambique, Nigeria) are fully compliant with all local rules and obligations regarding oil&gas local content national laws.
New representative offices have since been opened in Ghana, Gabon and Angola.

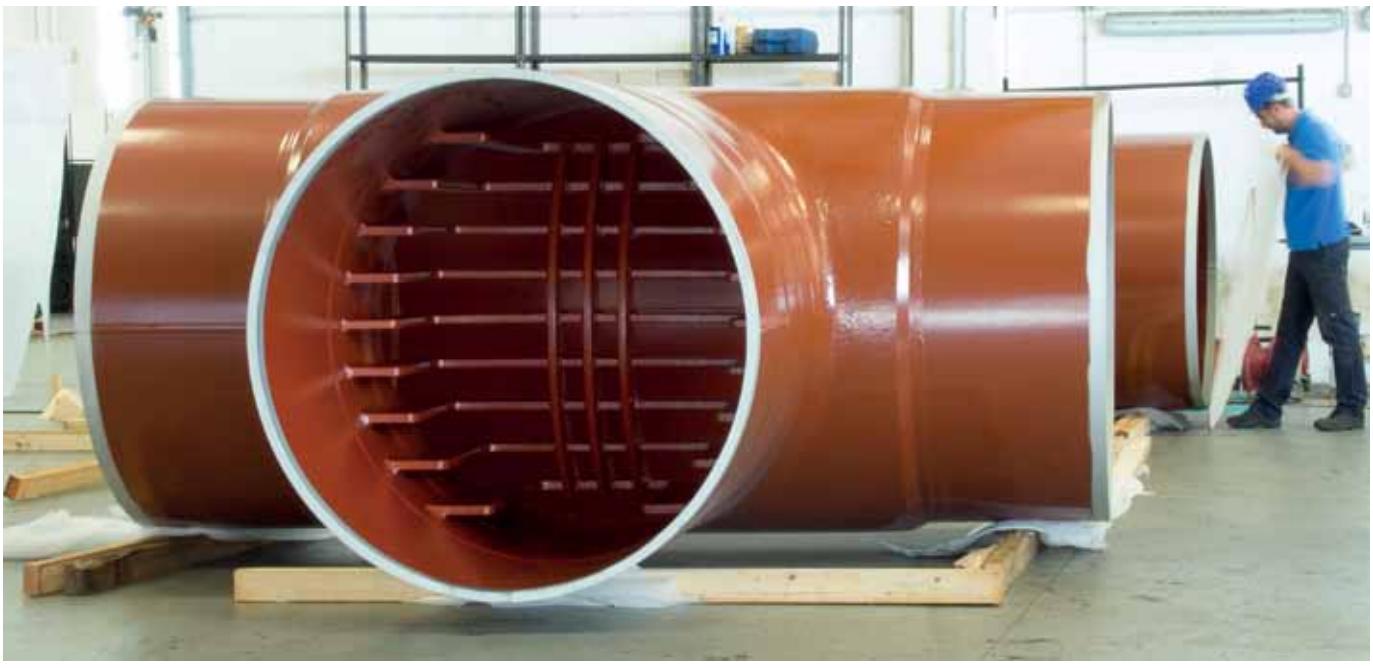
ALLIED INTERNATIONAL

DISTRIBUTION & STOCK

OUR CONSTANT ATTENTION TO ENVIRONMENT AND LOCAL NEEDS

Another important goal of **Allied International Group** is to approach the business in Africa in a sustainable way, creating a long-term value by taking into consideration how a given organization operates in the ecological, social and economic environment. Business Sustainability is an **Allied International Group** key-word: aiming daily to foster Group longevity by constantly checking different parameters such as waste management, pollution and energy efficiency as well as human rights and responsibility toward the workforce.

Allied International Group operates on the African continent with a constant attention and care to local needs, increasing the number of indigenous firms participating in the industry's supply chain of the sector, improving employment opportunities for the local workforce and supporting the creation of local value to contribute to the local economic growth.



CASPIAN ALLIED INTERNATIONAL IN KAZAKHSTAN SERVING THE CENTRAL ASIAN REGION

Caspian Allied International is a trading company located in Aktau, Kazakhstan with the mission to support all oil&gas projects in the Caspian area and Central Asian region through stock and distribution.

The company which opened at the end of 2010, is established on an area of 43,000 sq m with 2,000 sq m of covered area and 400 sq m of offices.

Caspian Allied International serves the oil, gas and petro-chemical industries as well as the energy and nuclear markets, supporting with a prompt delivery service all the projects implemented in the region with all kinds of piping materials and equipment.

ALLIED INTERNATIONAL

DISTRIBUTION & STOCK

THE WAREHOUSE

Allied International, through its main warehouse, integrates the whole cycle of raw material procurement, manufacturing and stock management on one site. The warehouse is located in Castel San Giovanni, Piacenza, Italy, on an area of 100,000 sq m and is part of the plant which also includes, on a total area of 351,000 sq m the largest and technologically advanced factory of **Tectubi Raccordi**.

The warehouse handles the Group's stock and makes use of modern logistic technologies in the industrial sector.
This allows **Allied International** to offer the client an immediate view of the whole product range, thereby guaranteeing a prompt delivery stock service.

STOCK RANGE

The stock range of 24,000 tonnes of 50,000 available items can guarantee the prompt delivery of any order, from large quantities of products to single items, mainly of the following fittings.

CERTIFICATIONS

- CUSTOM UNION Certificate TRTS 32/2013
- ISO 9001:2015 by BV
- KITEMARK F7 and L2 License
- NATIONAL GRID T/SP/F/1 Certificate by BSI
- NATIONAL GRID T/SP/B/12 Certificate by BSI
- NORSOK M-650
- ISO 14001, ISO 9001, OHSAS

CARBON STEEL		
Material	**Diameter**	**Thickness**
WPB, WPC, WPL6 WPHY52, WPHY60, WPHY65, WPHY70	from 2” to 24” from 26” to 36” from 40” to 48” up to 72”	up to schedule 160/XXH up to 1.750” up to 1.250” schedules up to 0.725”

STAINLESS STEEL		
Material	**Diameter**	**Thickness**
WP 304/304L, 316/316L, 321	up to 24”	schedules 10/S, 40/S, 80S

ALLOY STEEL		
Material	**Diameter**	**Thickness**
WP5, WP9, WP11, WP22, WP91	from 2” to 12” from 14” to 24”	up to schedule 160/XXH up to schedule 80

In addition to these Certifications, issued by public entities and organizations, **Allied International** has Approvals issued by private and public companies, such as: **Advantica, Allia, Casale, Chevron, ENGTP, EIL** India, **ENI** Iraq, **ENI Turkmenistan, EPM, Exxon, Fertial, Gazprom-Vniigas, IGDAS** Turkey, **IMCC** Abu Dhabi, **Max Streicher, ONGC, Petrobras, Petronas** Malaysia, **Ponticelli, Saipem, Sellafield, Shell, Sonatrach, Sonatrach-ENI, Technip, Terega, Total** Africa,

TECTUBI RACCORDI

MANUFACTURING

TECTUBI RACCORDI

MANUFACTURING

COMPANY PROFILE

Founded in 1954 and incorporated into **Allied International Group** in 2003, **Tectubi Raccordi** was the first Italian world-leading manufacturer of steel buttwelding pipe fittings to be used in nuclear and thermal power plants, LNG plants, oil&gas and water pipelines, offshore & subsea and petrochemical plants. It is a top supplier of superpipes for the nuclear sector.

For over half a century the company has been collaborating with the most important EPC companies, offering its products at the highest quality and manufacturing standards.
Its workers' craftsmanship and experience and its technical service is key to meeting any client's request in terms of materials, design and international specifications.

During recent years, **Tectubi Raccordi** has developed three major facilities: in Castel San Giovanni, Piacenza, Italy; Carbonara Scrivia, Alessandria, Italy and Tianjin, China, so as to increase penetration in all target markets.

COMPANY DETAILS

Company Name
TECTUBI RACCORDI S.p.A.

Registered Office
Via Roma, 150
29027 Podenzano (Piacenza), Italy

Chamber of Commerce
REA/PC 157708

Paid Capital Euro 5,160,000.00

VAT No. IT 01230470997

Sales Office & Administration
Via Roma, 150
29027 Podenzano (Piacenza), Italy

Plants
Via Roma, 150
29027 Podenzano (Piacenza), Italy

Via Emilia Pavese, 34/A Località Campo d'Oro
29015 Castel San Giovanni (Piacenza), Italy

Via Ancona, 27
29010 Calendasco (Piacenza), Italy

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Fax: + 39 0523 559621

E-mail. info@tectubiraccordi.com

Website: www.tectubiraccordi.com

TECTUBI RACCORDI

MANUFACTURING

MORE THAN 50 YEARS OF EXPERIENCE IN THE NUCLEAR SECTOR

1970s: production of fittings for Italian NPPs in Caorso and Trino Vercellese in cooperation with Ansaldo Nucleare and General Electric and first relationships with Framatome and EDF for the construction of the first NPPs in France (Phoenix and Super- Phoenix).

1980s & 90s: production of fittings for the Italian NPP in Montalto di Castro and the first NPP in China in cooperation with Framatome (AREVA NP).

2000 - today: supplies of standard and special fittings for the new generation of NPP (EPR and AP1000) in France, China, South Korea and South Africa.

PRODUCTS & TARGET MARKETS

Tectubi Raccordi produces a wide range of fittings, such as elbows, tees, reducers, caps, bends and many others from 1/2" to 120" diameter in all material grades, according to international standards and clients' requirements.

The target markets of **Tectubi Raccordi** can be divided into up/mid/downstream, which include onshore and offshore/subsea plants, oil&gas pipelines, refineries, and

STANDARD FITTINGS

TYPE OF PRODUCT	DIMENSIONS	STEELS	EXECUTION
Elbows	Up to 120"	All grades	Seamless and welded (cold formed, hot formed and by mandrel)
Equal and reducing tees	Up to 120"	All grades	Seamless and welded (cold formed and hot formed)
Concentric and eccentric reducers	Up to 120"	All grades	Seamless and welded (cold formed and hot formed)
Caps	Up to 120"	All grades	Seamless (cold formed and hot formed)

SPECIAL FITTINGS

TYPE OF PRODUCT	DIMENSIONS	STEELS	EXECUTION
Reducing elbows	Up to 60"	All grades	Seamless and welded
Special radius bends (3D)	Up to 56"	All grades	Seamless and welded segmentable
Special radius bends (2,5D 3D 4D 5D 7D 10D 18D)	Up to 60"	All grades	Seamless and welded (hot induction and cold formed)
Barred tees	Up to 120"	All grades	Seamless and welded (cold formed and hot formed)
Special flow tees	Up to 120"	All grades	Seamless and welded
Equal and reducing crosses	Up to 120"	All grades	Seamless and welded
Equal and reducing laterals	Up to 120"	All grades	Seamless and welded

SPECIAL PRODUCTS

TYPE OF PRODUCT	DIMENSIONS	STEELS	EXECUTION
Headers and extruded manifolds	Up to 120"	All grades	Seamless and welded
Split tees	Up to 120”	All grades	Seamless and welded
"Y" pieces	Up to 120"	All grades	Seamless and welded

Special products as per customer’s drawing

TECTUBI RACCORDI

MANUFACTURING

TECTUBI RACCORDI NETWORK

Tectubi Raccordi has its headquarters and main plant in Podenzano (total area 59,000 sq m), a technologically advanced plant in Castel San Giovanni (total area 251,000 sq m) and a factory in Calendasco (total area 8,800 sq m), all in the province of Piacenza, Italy.

From December 2017, **OMP-Tectubi Raccordi S.R.L.** was merged by incorporation into **Tectubi Raccordi S.p.A.** This facility (total area 50,000 sq m) produces seamless and welded large-radius bends by hot induction and cold bending.

Other production units in Italy and a warehouse in China complete the complete and increase the product range:

Gieminox-Tectubi Raccordi Welded Pipes Division in Schio, Vicenza, Italy, which produces heavy wall welded pipes, longitudinally welded clad pipes, bi-metal lined pipes.

Tectubi Tianjin Fittings in Tianjin, China, logistic platform for the Chinese market.

Left: the cold forming machine in the Podenzano plant for the production of tees up to 16"

Below: the cold bending machine in the Calendasco plant for the production of elbows up to 16"

Photos above: some processing phases of large tee fittings

Photo below: hot elbows in the large cooling tank during the heat treatment process

TECTUBI RACCORDI

MANUFACTURING

THE TECTUBI RACCORDI FACTORY IN CASTEL SAN GIOVANNI

This plant, built in recent years, is situated in Castel San Giovanni, Piacenza, Italy, and occupies an area of 251,000 sq m It is dedicated to the production of seamless and welded mandrel elbows in carbon and alloy steel up to 56", reducing elbows up to 24" and all kinds of large size fittings up to 120" with a yearly capacity of 30,000 tonnes.

A mandrel machine, with a length of 66.5 m, width of 7 m and the max. working force of 1,800 tonnes, is aimed at increasing production capacity by 60%. Unique in Europe, and probably in the world, this machine is able to deform a tube of 13 meters and to produce elbows with a diameter up to 56" and a wall thickness of 2", with a heating capacity of 850° for 11.5 tonnes of material per hour.

The factory brings together aspects of industrial development, environmental protection and enhancement of the local community, accompanied by constant research and innovation.

The large-dimension induction mandrel and bending machine MTC 1800 installed in the factory of Castel San Giovanni capable of unequalled production and a wide range of performances.

Two large furnaces outside and inside the plant

Gas mandrel and bending machine MTC 450

CERTIFICATIONS (Bending Division included)

- ISO 9001: 2015 by Bureau Veritas
- ISO 14001: 2015 by QS International
- ISO 45001: 2018 Certification by QS International
- ISO 17025 by Bureau Veritas
- ISO 3834-2: 2006 Certification by TÜV SUD
- ABSA - Statutory Declaration
- AD 2000 MERKBLATT HP0 by TÜV NORD
- AD 2000 MERKBLATT W0 by TÜV NORD
- AD 2000 MERKBLATT W0 PED 2014/68/EU Certification by TÜV NORD
- ASME Quality System Certificate as a Material Organization ASME SECTION III NCA 3800 Certificate No. QSC - 603
- BV MARINE “Recognition for BV mode II scheme”
- NNSA - China nuclear Certification
- NORSOK M-650
- PED 4.3 2014/68/EU by Bureau Veritas
- RCC-M rules - France nuclear compliance

In addition to these Certifications, issued by public entities and organizations, **Tectubi Raccordi** has Approvals issued by private and public companies, such as: **ADNOC, BP, Chevron, EDF-UTO, EIL, ENI, Gaz de France, Gazprom, KNPC, KOC, National Grid, NCOC, NTPC, ONGC, Open Grid Europe, PDO, PG & E, Qatar Energy, Qatar Gas, Saudi Aramco, Shell, SNAM Rete Gas, Total, TransCanada.**

TECTUBI
RACCORDI

BENDING DIVISION

TECTUBI RACCORDI

BENDING DIVISION

HISTORY

Tectubi Raccordi formed a newco with **OMP Mongiardino** in November 2009, called **OMP Mongiardino-Tectubi Raccordi Bending Division**. Founded in 1968, **OMP Mongiardino** was the first Italian company to manufacture by hot induction and cold bending large-radius elbows for oil&gas pipelines and several types of industrial or civil plant.

It has created an industrial hub in Carbonara Scrivia, Alessandria, Italy, with a total area of 50,000 sq m, and has transferred there all the equipment from the former plant in Genoa.

In April 2016 **Tectubi Raccordi** completed its acquisition of **OMP Mongiardino** and the name of the company changed to **OMP-Tectubi Raccordi S.R.L.**; finally, from December 2017, **OMP-Tectubi Raccordi S.R.L.** was merged by incorporation into **Tectubi Raccordi S.p.A.**

The quality management system covers the full manufacturing process, from the arrival of the mother pipes to delivery of the finished bends, and allows constant updating and traceability.

PRODUCTS & TARGET MARKETS

Tectubi Raccordi Bending Division produces large-radius bends by hot and cold bending and clad bends. Both hot and cold bending processes are used for: carbon and alloy steel for moderate and elevated temperatures; high yield steel; carbon and alloy steel for low temperature service; stainless steel; austenitic/ferritic stainless steel; nickel alloy; titanium alloy and aluminum alloy.

The cold bending method, which originated from registered industrial patent used exclusively by the company, delivers an identical structure to that of the original tube, so the product does not need further heat treatment when the mechanical characteristics comply.

The bends are intended mostly for the oil&gas pipeline and power sectors, and can also be used for civil engineering works.

TECTUBI RACCORDI

BENDING DIVISION

COLD BENDING

The company's patented cold bending process enables the manufacture of a wide range of products such as bends with radius exceeding 4D and angles up to 180°, with a minimal thickness reduction.

The bends can be in carbon steel, alloy steel, stainless steel, duplex and titanium, welded (SAW or ERW) or seamless, with diameters ranging from 2" to 60".

HOT BENDING

The company has increased its capacity with the purchase of a new induction bending machine, Schäfer SRBMI 1400. This machine enables the production of bends of diameter from 2" to 60", bending radius from 250 mm to 10,000 mm and thickness from 7 mm to 100 mm.

The machines, electronically interfaced, are provided with a control system which enables them to adapt to variations in load, while keeping control over the temperature, reducing heat losses to a minimum. The material properties are retained accordingly, even after the bending and heat treatment process, in accordance with applicable specifications.

CHARACTERISTICS

MACHINE	COJAFEX PB 600	COJAFEX PB 1000	SCHÄFER SRBMI 1400
Bending radius	250 ÷ 3,050 mm	800 ÷ 5,100 mm	686 ÷ 10,000 mm
Diameter	2" ÷ 24"	8" ÷ 36"	8" ÷ 60"
Development	5,000 mm MAX	8,500 mm MAX	11,500 mm MAX
Pipe lenght	8,400 mm MAX	12,000 mm MAX	15,400 mm MAX
Wall thickness	7,100 mm	7,100 mm	7,100 mm

CLAD INDUCTION BENDS

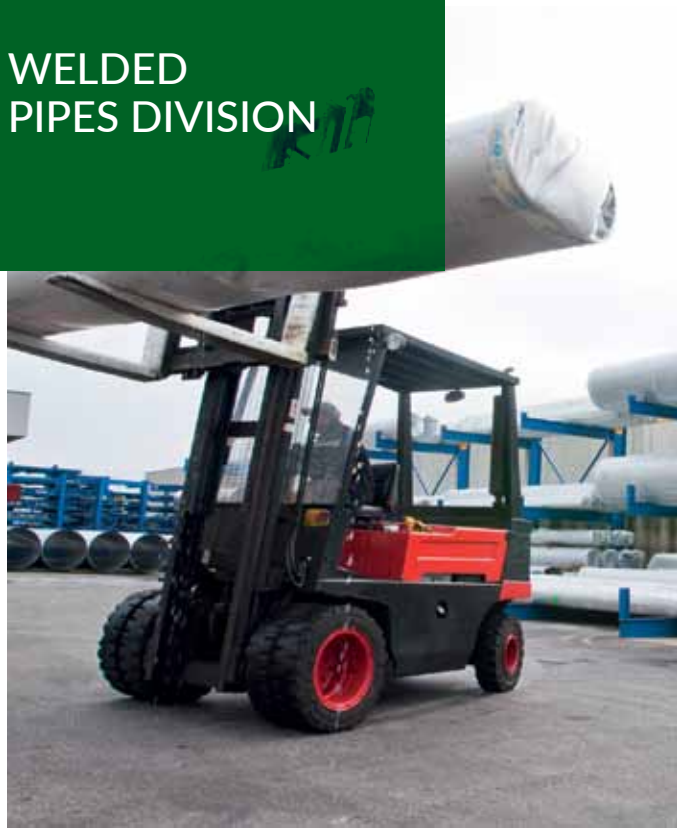
Tectubi Raccordi Bending Division manufactures a wide range of clad induction bends for applications under the most demanding conditions and services. All bends with R/D<4 are offered as hot induction bends, whereas for R/D≥4, **Tectubi Raccordi** offers cold formed bends as an alternative to hot ones.

CERTIFICATIONS

Bending Division certifications are included in those of **Tectubi Raccordi** (see p. 23).

GIEMINOX
TECTUBI
RACCORDI

WELDED
PIPES DIVISION



GIEMINOX TECTUBI RACCORDI

WELDED PIPES DIVISION

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

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Via Lago di Vico, 22
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Fax: + 39 0445 575305

E-mail. sales@gieminox.com

Website: www.gieminox.com

GIEMINOX TECTUBI RACCORDI

WELDED PIPES DIVISION

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 lenghts up to 12 meters. Shorter lenght supplied without a minimum quantity.

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.

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.

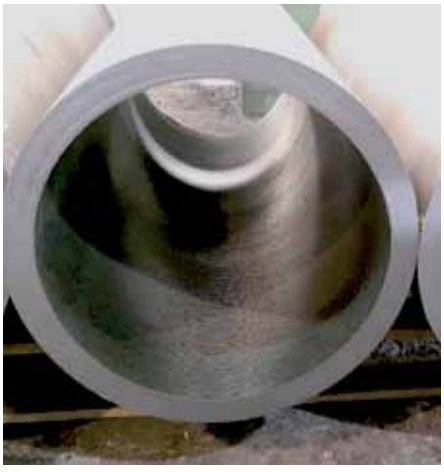
Pipes, bends and fittings made from metallurgically-bonded clad plates represent a good technical and economic solution to the problems arising from flowlines characterized by high pressures, extreme temperatures and high corrosive environments.

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

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 cladded pipes in various combinations of metals.

CERTIFICATIONS

- ISO 9001:2015 by BUREAU VERITAS
- ISO 3834-2:2021 by TÜV SUD
- API Monogram Certificate 5L/5LC/5LD
- ASME PRT Certification
- Marine and offshore Certificate by BUREAU VERITAS
- DNV Certificate
- NORSOK QTR – UNS S31254 S31803/ S32205/ S32750/ S32760 N08926
- PED 2014/68/EU by TÜV ITALIA

In addition to these Certifications, issued by public entities and organizations, **Gieminox Tectubi Raccordi** has Approvals issued by private and public companies such as **EIL India, Petronet LNG** and **Saipem**.

RACCORDI FORGIATI

MANUFACTURING

RACCORDI FORGIATI

MANUFACTURING

COMPANY PROFILE

Since its foundation in 1976, in Nibbiano, Piacenza, Italy, **Raccordi Forgiati** (total area 41,000 sq m) has been developing its position in the buttweld fittings market; in 2005, it was incorporated into **Allied International Group**. It is well-known as a manufacturer of a full range of elbows, tees, reducers and caps.

The company, with headquarters and plant in Nibbiano, Piacenza, Italy, has a yearly production capacity of 10,000 tonnes for a range of 20,000 items and is supported by a large stock of raw materials and finished products.

The main clients include global players in the oil, gas and petrochemical industrial sectors who demand different materials such as carbon steel grades featuring moderate and low temperature, high yield characteristics, alloy steel grades for elevated temperatures, austenitic and austenitic/ferritic stainless steels including duplex and superduplex, and nickel base non-ferrous alloys.

The new furnace, pressing and boring machines

COMPANY DETAILS

Company Name
RACCORDI FORGIATI S.R.L.

Registered Office
Località Vascellino di Nibbiano
29031 Alta Val Tidone
(Piacenza), Italy

Administration and Works
Località Casetta di Nibbiano
29031 Alta Val Tidone
(Piacenza), Italy

Sales Office
Località Vascellino di Nibbiano
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Website
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RACCORDI FORGIATI

MANUFACTURING

PRODUCTS & TARGET MARKETS

Raccordi Forgiati's production is mainly destined for oil&gas, offshore/subsea, petrochemical and thermal power sectors.

The company produces a full range of top quality buttwelding elbows, equal and reducing tees, concentric and eccentric reducers and caps, in the size range from 1/2" NPS to 36" NPS.

Close co-operation with clients, as well as integration with Allied International Group's factories and operations, give Raccordi Forgiati the opportunity to keep product quality constantly in line with international standards.

STANDARD FITTINGS

TYPE OF PRODUCT	DIMENSIONS	STEELS	EXECUTION
Elbows	Up to 16"	All grades	Seamless and welded (hot formed)
Equal and reducing tees	Up to 30"	All grades	Seamless and welded (hot formed)
Concentric and eccentric reducers	Up to 36"	All grades	Seamless and welded (hot formed)
Caps	Up to 36"	All grades	Hot formed

SPECIAL FITTINGS

TYPE OF PRODUCT	DIMENSIONS	STEELS	EXECUTION
Barred tees	Up to 30"	All grades	Seamless and welded (hot formed)
Special flow tees	Up to 30"	All grades	Seamless and welded
Equal and reducing crosses	Up to 30"	All grades	Seamless and welded
Laterals "Y" pieces	Up to 36"	All grades	Welded

SPECIAL FITTINGS AS PER CUSTOMER'S DRAWING

CERTIFICATIONS

- AD 2000 MERKBLATT W0 by TÜV NORD
- CUSTOM UNION Certificates TRTS 32/2013
- ISO 9001: 2015 by Bureau Veritas
- PED 4.3: by Bureau Veritas
- NORSOK M-650

In addition to these Certifications, issued by public entities and organizations, **Raccordi Forgiati** has Approvals issued by private and public companies, such as: **Aramco, Gazprom-Vniigaz, Inspecta, ONGC, Repsol, Snam Rete Gas, Total**.

BASSI LUIGI & C.

MANUFACTURING

BASSI LUIGI & C.

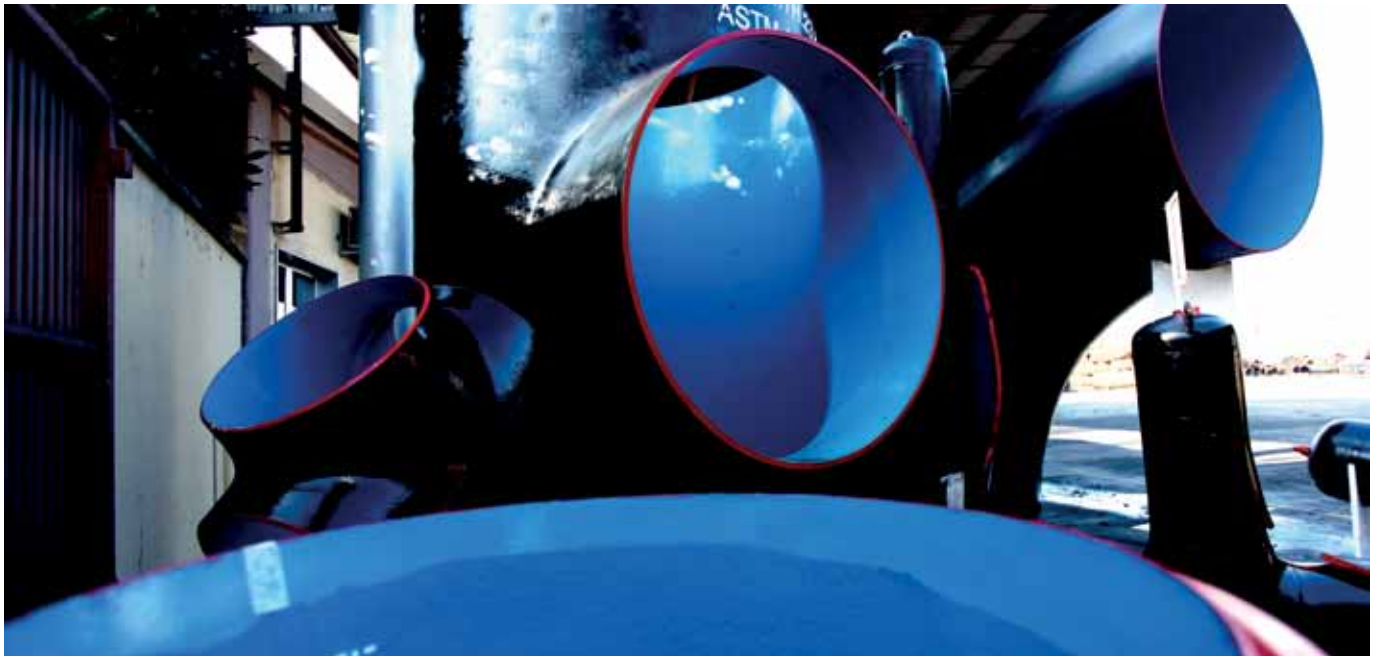
MANUFACTURING

COMPANY PROFILE

During 2018 **Allied International** had acquired **BASSI LUIGI & C. S.p.A.,** one of the top worldwide manufacturers of buttweld fittings with a very long and prestigious history.
It was after World War II that Mr. Luigi Bassi started producing the first fittings in Italy. He gained wide high experience and created many important connections in this industrial field. In 1962 he moved his activities to its current location and established his company.
The company has progressively extended its range of activity and has achieved a worldwide leading position and a high degree of specialization, which characterizes its overall production.

Part of an international group of companies, over the course of the years **Bassi Luigi & C.** has been granted the most important certifications to work in the power generation, oil&gas, offshore and nuclear plant industries.

Technological innovation at **Bassi Luigi & C.** matches its with long experience across production processes and people play a leading role in facing the most demanding challenges. This synergy is the company's strength and characterizes its whole production.



COMPANY DETAILS

Company name
BASSI LUIGI & C. S.p.A.

Registered Office
Via Luigi Bassi 8,
26865 San Rocco al Porto
(Lodi), Italy

Administration and Works
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BASSI LUIGI & C.

MANUFACTURING

PRODUCTS & TARGET MARKETS

Butt welding fittings: Bassi Luigi & C. S.p.A. is a world leader and one of the historical manufacturers of BW fittings. In recent years the company have invested in innovation and new technologies in order to ensure a wider range of products and services to customers.

For this reason, **Bassi Luigi** can supply fittings according to the most stringent norms /calculation codes and technical prescriptions.
Its experienced staff is nowadays fundamental for closer working and partnership with the world's most important EPC companies and end users

Prefabrication: besides the manufacturing of joints and loose components, the company has expanded its activities in assembling components in the factory.
These complex prefabricated products add a higher value to the range of production, increase the quality of construction and assure cost effective solutions.

This prefabricated process enables the realization of important projects.

Clad pipes and fittings: **Bassi Luigi** has been operating in the field of clad piping manufacturing for more than 20 years. Thanks to this experience we have developed and improved our manufacturing systems and experiences.
Application processes: the selection methods depend on the sizes, wall thicknesses and materials involved.

Titanium Application: the needs to build new plants in environments requiring more resistant and anticorrosion material led to the company developing the application of titanium.

Bassi Luigi production is mainly destined for the following sectors: power generation, off-shore, oil&gas, petrochemical.

FITTINGS

TYPE OF PRODUCT	DIMENSIONS	MATERIAL
Equal and reducing tees	Up to 120”	All grades
LR/ SR elbows	Up to 120”	All grades
Barred sphere tees	Up to 120”	All grades
Bull heads	Up to 120”	All grades
Concentric and eccentric reducers	Up to 120”	All grades
Caps and crosses	Up to 120”	All grades

PREFABRICATION

TYPE OF PRODUCT	DIMENSIONS	THICKNESS	WEIGHT
Slug catchers (Finger type)	Up to 120”	max 190 mm	approx. 6000 tonnes
Slug catchers (Vessel type)	Up to 195”	max 190 mm	max 190 tonnes
Headers and manifolds	Up to 120”	up to 180 mm	
Pipe spools	Up to 120”	up to 180 mm	
Scraper traps (launching & receiving)	From 150 to 2500 lbs and further with special pressure		

SPECIAL PRODUCTION

TYPE OF PRODUCT	CHARACTERISTICS
Titanium application	Excellent strength, corrosion resistance to seawater, ductile and malleable when heated
Norsok Certification	Fittings in Duplex, Super-duplex and 6Mo according to Norsok M-650 Edition 4 approval

APPLICATION PROCESSES

Clad pipes and fittings	Cladding of pipes and piping components through welding overlay process (Ni alloy, Austenitic steel, Stellite)	Cladded fittings starting from clad plate/ pipes process (Ni alloy, Austenitic steel, Stellite)

IVECO

BASSI LUIGI & C.

MANUFACTURING

ENGINEERING

Bassi Luigi has long experience in piping systems and slug catcher design, thanks to its dedicated engineering team.

MECHANICAL DESIGN

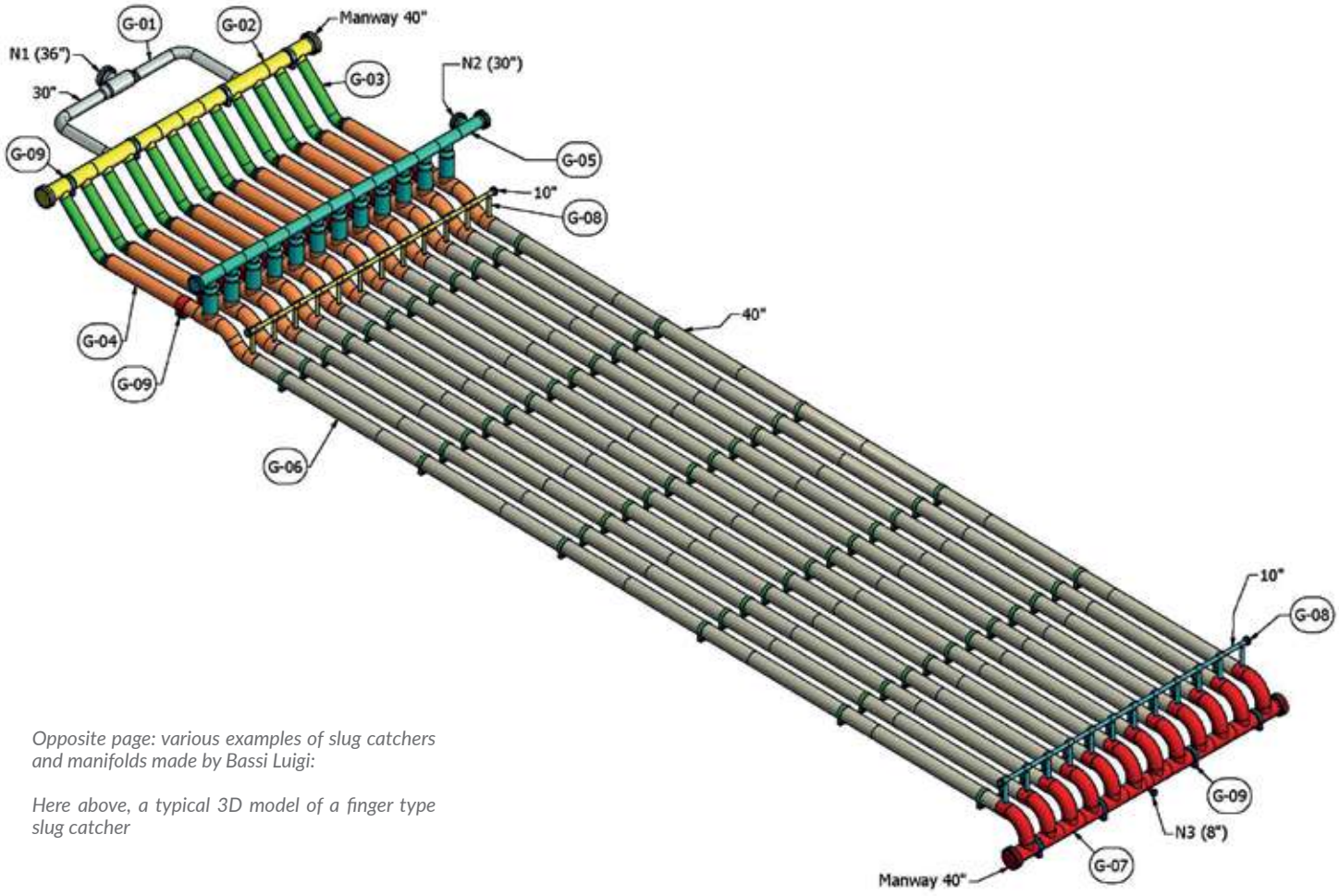
- Wall thickness calculation as per international codes or client special requests
- Stress Analysis and Finite Element Analysis
- Interaction with other suppliers of the same project using PDMS or similar software.

WELDING ENGINEERING

- Review of welding requirements
- Planning and managing of welding qualification & welding book
- Research & Development in new welding processes and new welding consumable materials

PROCESS DESIGN

- Preliminary calculation of the dimensions of the section and length of the pipes, first using chemical analysis and the physical parameters of the "wet gas".
- Measurement of the level of corrosion by the fluid in order to optimise the pipe wall thickness or to propose the type of internal cladding.
- Use of Computational Fluid Dynamics (CFD) to obtain a functional forecast of fluid flows through the inside of the pipes, using mathematical



Opposite page: various examples of slug catchers and manifolds made by Bassi Luigi:

Here above, a typical 3D model of a finger type slug catcher

CERTIFICATIONS

- ISO 14001:2015 by TNV
- ISO/TS 29001:2010 by French Cert
- ISO 9001:2015 by TNV
- ISO 45001:2018 by TNV
- UNI EN ISO 3834-2 by Bureau Veritas
- PED EN 764-5: 2014 by Bureau Veritas

In addition to these Certifications, issued by public entities and organizations, **Bassi Luigi** has Approvals issued by private and public companies, such as: **ADNOC, Aramco, BP, ENI, Equinor, Exxon, GE, Italgas, KNPC, KOC, Kvaerner, Mc Dermott, National Grid, NCOC, Qatar Gas, Saipem, Snam Rete Gas, Technip Energies, Total, TransCanada.**

SIMAS

MANUFACTURING

SIMAS

MANUFACTURING

COMPANY PROFILE

The acquisition of **Bassi Luigi & C.** by the **Allied Group** during 2018 naturally involved also **SIMAS**, an experienced manufacturer founded in 1963, located in Prezzate di Mapello (Bergamo, Italy) which in 1994 entered the **Bassi Group** following the complete acquisition of the former **B.G. Metallurgica Bergamasca**.

SIMAS is specialized in the production of a wide range of large-radius bends cladding, pressure vessels, heat exchangers, and in prefabrication. In particular many ranges of special pieces are destined for oil&gas such as prefabricated pipes in all types of material grades, large-radius bends in all sizes up to 60" diameter (produced from bended pipe by electrical induction - 3D, 5D, 7D, 10D), receiving and launching traps with patented quick closures, extrusions on manifolds.

Cladding services for pipes and bends are fully in line with requests from clients to upgrade the product performances in several applications.

Last but not least, the company produces pressure reactors for desulphurisation plants, tubular reactors for polypropylene and polyethylene plants, jacketed reactors/semipipe heating, high pressure separators, shell and tubes heat exchangers, pressure vessels, distillation and fractionation columns for the petrochemical sector, while the thermotechnical sector is served with low and medium pressure water pre-heaters, superheaters and tubular refrigerants.

SIMAS occupies an area of 45,000 sq m (15,000 sq m covered), employs 60 people and has a yearly capacity of 10,000 tonnes of finished products.

COMPANY DETAILS

Company name
SIMAS S.R.L.

Registered Office and Administration
Via Luigi Bassi 8
26865 San Rocco al Porto
(Lodi), Italy

Works
Via Dante Alighieri 16,
24030 Prezzate di Mapello
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SIMAS

MANUFACTURING

PRODUCTS & TARGET MARKETS

Bends: SIMAS' aim is to provide high quality bending solutions for oil&gas pipelines, either onshore or offshore. The manufacturing and testing procedures exceed all quality standards required by the oil&gas industry through the use of state-of-the-art technology that enables full control of the bending process, as well as total monitoring of bending parameters.

Prefabrication: thanks to more than 50 years' experience, **SIMAS** is one of the main players in the design, fabrication and inspection of pressure vessels and heat exchangers for oil&gas, refinery and petrochemical plants. **SIMAS** is an authorized holder of PP, S, U and U2 stamps for manufacturing pressure vessels and it is also certified by TÜV NORD for the manufacturing of such products according to standard DIN EN ISO 3834-2 and AD-2000 Merkblatt HP0. **SIMAS** policy is to focus on the most demanding jobs, working on heavy wall products and special materials.

Cladding of pipes and straight pipes: SIMAS has been operating in the field of clad piping manufacturing and fabrication for more than 20 years. Thanks to this experience, we have developed and improved our manufacturing systems and experiences. Our different experience has enabled us to support clients' requests and their even more challenging needs.

All **SIMAS** products and services are destined for the oil&gas, petrochemical, power generation and offshore sectors.

BENDING CAPABILITIES

PIPE DIMENSION	
Max. dia. IA.	60"
Min. dia.	2"
W.t.	From 6 mm to 150 mm
Max. length	14900 mm
BENDING RADIUS	
Min.	100 mm
Max.	10500 mm
BENDING ANGLE	
Max.	182°

BENDS

TYPE OF PRODUCT	DIAMETER	THICKNESS	MATERIALS
Induction bends	From 2” up to 60”	From 6 mm to 150 mm	Carbon steel, Micro Alloyed steel, High strength steel, Stainless steel, Low & High Alloy steel, Duplex and Superduplex, Titanium, Inconel, Hastelloy, Incoloy.

PIPING PREFABRICATION

TYPE OF PRODUCT	DIAMETER	THICKNESS	MATERIALS
Spools for thermal, and nuclear power stations, offshore platforms etc.	From 2” up to 60”	From 6 mm to 150 mm	Carbon steel, Micro Alloyed steel, High strength steel, Stainless steel, Low & High Alloy steel, Duplex and Superduplex, Titanium, Inconel, Hastelloy, Incoloy, Clad.

CLADDING SERVICE

TYPE OF PRODUCT	DIAMETER	BASE MATERIAL	CLADDING MATERIAL
Cladding by hot wire TIG	Min. ID 115 mm Max OD 914,4 mm	Carbon steel , Low temperature Carbon steel , High yield strength (up to X-70); Alloy steels (P11, P22);	Inconel 625; Incoloy 825; AISI: 316L, 317L, 321 & 347; Hastelloy C276 & C2000; Stellite 6

HEAT EXCHANGERS/ PRESSURE VESSELS

TYPE OF PRODUCT	DIAMETER	THICKNESS	WEIGHT
Pressure vessels	Up to 195”	Max 180 mm	Max 190 tons
Heat exchangers	Up to 195”	Max 180 mm	Max 150 tons

SCRAPER TRAPS

TYPE OF PRODUCT	DIAMETER	QUALITY MATERIALS	CERTIFICATIONS
Pig launcher and receivers	from150 lbs to1500 lbs	From API 5L X42 to API 5L X70	ASME stamps

TITANIUM

TYPE OF PRODUCT	DESCRIPTION
Induction bends, spool, prefabrication	In order to develop the application of titanium with characteristics of anti-corrosion and high resistance, we dedicated a special area “the cleanroom” in our workshop for this specific working process

SIMAS

MANUFACTURING

CLADDING

Cladding is a fundamental process in the manufacturing industry and it is applied across the whole spectrum of applications, from the oil&gas industries to petrochemical, nuclear and steelmaking.

Cladding is required to provide corrosion resistance against highly severe corrosive service fluid.

To this end and to serve increasing demand for clad products, **SIMAS** is now specialized in weld overlay using GTAW hot wire automatic process and our manufacturing program covers sizes over 115 mm (inside diameter) and length up to 12 m.

SIMAS is also able to offer a complete product to its clients including the induction bending service for clad pipe, heat treatment in our API 6A certified furnace and spool fabrication including hydro-testing and packing into crates or containers for easy transport worldwide.

Finally, **SIMAS** has the right to use the API 5LD monogram and works in accordance with API Q1.

SIMAS has gained a good reputation with national and foreign customers all over the world, and many of its bends have been used successfully in their projects

Opposite page: a pair of large dimensions bends and an extruded branch manifold

On this page: different types of bends

CERTIFICATIONS

- ASME Stamp authorizations U, U2, S, PP
- ISO 9001: 2015 by Bureau Veritas
- ISO 14001: 2015 by TNV
- ISO 45001: 2018 by Unicert
- API 5LD & Q1

In addition to these Certifications, issued by public entities and organizations, **SIMAS** has Approvals issued by private and public companies, such as: **Aramco, BP, Chevron, Exxon, Fluxys, KNPC, Kvaerner, NCOC, Saipem, Shell, Snam Rete Gas, Statoil, Technip, Technip Energies, TechnipFMC, Total, TransCanada.**

INTERFIT

MANUFACTURING

INTERFIT

MANUFACTURING

COMPANY PROFILE

Interfit S.A.S., which has been part of **Allied International Group** since 2018, is located in Maubeuge, France, at the heart of the historical steel & tube industrial area, close to Paris and to the international port of Antwerp.

Interfit has been manufacturing and selling seamless buttweld elbows on carbon steel for over 60 years.

Thanks to its automated production line, a new furnace and an advanced in-house laboratory, **Interfit** can supply top quality products to meet any specifications, in full compliance with safety and environmental standards.

Its Quality Manual sets out the full control system of the plant along with related procedures and instructions, in accordance with the requirements of ISO 9002, API Spec Q1 and other international standards. Every enquiry and order is managed in accordance with the Quality Manual.

Production, inspection and tests (both destructive and non-destructive) are defined and run by a controlled sequence of operations and information, with constant feedback to the data base for process control.

COMPANY DETAILS

Company name
INTERFIT SAS

Head Office and Factory
Avenue Joseph Cugnot
Z.I. de Grévaux-les-Guides BP 132
59602 Maubeuge Cedex, France

Chamber of Commerce
RCS Valenciennes 331 408 591

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Website
https://www.interfit.fr

INTERFIT

MANUFACTURING

PRODUCTS & TARGET MARKETS

Seamless elbows up to 30" OD are designed and manufactured to meet the requirements of three major challenging sectors: oil&gas (mid/downstream, such as refineries, petrochemical plants, processing units, FPSO), power generation (boilers, steam piping) and Industry.

The Interfit butt-weld elbows are used in many varied applications

- Oil&Gas transportation
- Refining & Distribution
- Terminal construction
- Offshore exploration
- Platform production
- Cold & Hot Water
- Steam generation
- Industrial gases
- Furnace building
- Ship building
- Food industry
- Chemical & Petrochemical

PREMIUM RAW MATERIAL

Seamless elbows are manufactured exclusively from premium pipe sourced in western Europe. Pipes are stored in segregated lots to ensure optimum traceability conditions during the manufacturing process.

Interfit provides full traceability of the product, right from the pipe sourcing to the full set of certificates, through each step of the manufacturing and testing process, in line with its company policy and warranty and benefiting each customer to the full.

GUARANTEED TRACEABILITY

Traceability of the product is guaranteed by die stamping with identification and other information including the manufacturing trade mark as required by the standard. Careful packaging in cartons or on pallets and an advanced system of production control permitting a fast rotation of all the products of the complete range, ensure the best service to **Interfit**'s customers.

A FULLY INTEGRATED PRODUCTION PROCESS

Tubes *(European/ Premium)*

Cutting

Forging

Heat treatment

Beveling

Quality control

Varnishing

Packaging and shipping

PRODUCT RANGE

Outside diameter: from 21.3 mm (1/2") to 762 mm (30")

Wall thickness: up to sch. XXS/160

Materials: Standards EN 10253-2 S235 - P235GH - P265GH - P265NL and ASTM A234, WPB, WPC/ A420 WPL6, WPL3/ A860 WPHY52/ ASTM A234 WP11, WP22, WP5, WP9 - 16Mo3

Shape: 45°, 90° and 180°. Short radius, long radius and/ or 5D

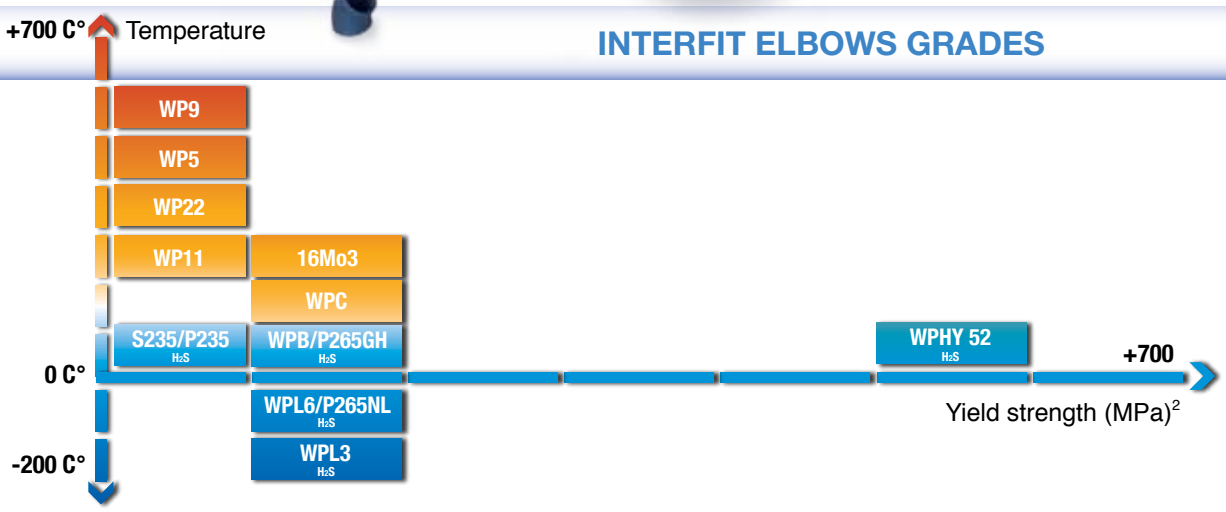
Other dimensions available upon request.

CERTIFICATIONS

- ISO 9001:2015 by Afnor
- ISO 14001:2015 by Afnor
- ISO 45001:2018 by Afnor
- QM System EN 764-5 and AD 2000 Merkblatt W0 by TÜV Rheinland
- OHSAS 18001:2007 by Afnor

In addition to these Certifications, issued by public entities and organizations, **Interfit** has Approvals issued by private and public companies, such as: **ADNOC, ARAMCO, Chevron, CRN, Exxon Mobil, KNPC, OXY, PDO, Repsol, Total.**

INTERFIT ELBOWS GRADES



PHOCÉENNE

COMMERCIAL

PHOCÉENNE

COMMERCIAL

COMPANY PROFILE

Phocéenne SAS, part of **Allied International Group** since 2019, is a high-class player located in Vitrolles near Marseille Airport (France), specialized in International EPC Project management of full piping packages and operating all over Europe, North Africa, Latin America and the Middle East since the 1980s.

Phocéenne SAS offers a full range of flanges, fittings, pipes, valves and engineered products for oil & gas, power generation and other industrial sectors. All products are available in all grades of material and in the most complex alloys (carbon steel, stainless steel, duplex, superduplex, nickel alloys...).

Phocéenne SAS is acting as a packager fully committed to customers' needs, providing optimal, effective and innovative solutions such as:

- sourcing & procurement for international projects;
- global supply chain, through complete product range & packages dedicated to piping equipment;
- logistic consolidation & field expediting;
- "project-dedicated" stocks;
- certification & quality management, with approved suppliers and in-house inspection.

COMPANY DETAILS

Company Name
PHOCÉENNE SAS

Registered Office,
Sales Office and Administration
10 Boulevard de Pythagore,
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PRODUCTS & TARGET MARKETS

Complete product range & packages dedicated to piping equipment:

- pipes, fittings, flanges
- valves and engineered products, strainers
- quick opening closure, repair clamp, traps / vessels

All our products are available in all grades of material in all international standards: carbon steel, stainless steel, duplex, superduplex, nickel alloys, grade 8 / ASME - ASTM - EN - GOST- JIS

Main target markets: oil & gas, power, chemical industries, fertilizers, mining, water, desalination, sugar plant.

FOCUS ON ADDED VALUES

- Stock management, isometrics & consumption
- Expeditor team based in customer's office
- Status report
- Inspection task force
- Database integration with customer I.T. system & codification
- Lead time optimization
- Transport & logistic solutions
- Dedicated project monitoring

QUALITY MANAGEMENT SUPPLIERS APPROVED BY OUR QUALITY DEPARTMENT

Product quality is guaranteed by pre-qualification and by constant monitoring of the suppliers.
Our suppliers/manufacturers are duly selected, approved and certified under ISO 9001 by the Quality Assurance system of **Phocéenne SAS**.

IN-HOUSE INSPECTION

Documentation
Phocéenne SAS offers:

- In-house inspection service with qualified inspectors
- In-house procedures, material, data sheet

CERTIFICATIONS

- ISO 9001:2015 by LRQA
- ISO 14001:2015 by LRQA
- ASME U & U2

In addition to these Certifications, issued by public entities and organizations, **Phocéenne SAS** has Approvals issued by private and public companies, such as:
Technip Energies, Chiyoda, Wood, Repsol, Tecnimont, Petrojet, ADF, Solvay, TDE, Sonatrach

PIPING TECHNOLOGIES

MANUFACTURING

PIPING TECHNOLOGIES

MANUFACTURING

COMPANY PROFILE

Piping Technologies is a division of **Phocéenne SAS**, part of **Allied International Group** since 2019, and is a designer and manufacturer of piping pressure equipments and other specific products for the Oil & Gas market.

For more than 50 years, **Piping Technologies** products have been listed by more than 150 major end-users in the oil, gas and petrochemical industry.

Today, the company includes all products previously branded as **Piping Technologies**, **Lallstorm** and **Sertere.** The company's quality assurance, through ISO 9001:2015, ISO 14001:2015, API, ASME U and U2 certifications, allows it to provide solutions for all needs.

Piping Technologies' overall offer is based on a fully controlled design and production line. A skilled and experienced team of engineers and technicians manage the design, engineering, manufacturing and overall project management activities.

COMPANY DETAILS

Company Name
PIPING TECHNOLOGIES
Phocéenne SAS Division

Registered Office, Administration and Work
10 Boulevard de Pythagore,
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VAT No.
FR 63877951673

Telephone
+33 442 794 000

E-mail
sales@pipingtechnologies.com

Website
www.pipingtechnologies.com

PRODUCTS & TARGET MARKETS

Piping Technologies provides the following engineered solutions for oil, gas and water applications:

- **Pigging solutions:** pig traps (launchers/receivers), quick opening closures, pig signallers
- **Repairing solutions:** standard and bespoke repair solutions
- **Metering solutions:** single-chamber orifice, double-chamber orifice
- **Connecting solutions:** bespoke flanges and forged fittings solutions

All of our products and services are based on industrial know-how, worldwide sourcing, experience & reliability, innovative and advanced technological competence.

COMMITMENT TO CLIENT'S NEEDS

- Commercial and technical proposals tailored to the client's needs
- Technical assistance for commissioning, product training
- Quality of the products and deadline compliance
- Continuous improvement (R&D)
- After-sales services and spare parts supply

PIPE REPAIR SOLUTIONS

- repair clamps
- repair flanges
- repair elbows
- repair tees
- ASME VIII Div 1 - API 6H
- from 2" to 48"
- 600# and higher
- bespoke solutions upon request

Closure A694 F60/65/70 & (S)A350 LF2 / SS / SDX
From 8" to 80" and above upon request

QUICK OPENING CLOSURE

- Quick opening closure Clamp type - C-Lock
- Segment type - Seg-Loc

ASME VIII Div 1 UG35 & Div. 2
ASME B31.3/4/8 - DESP 2014/68/UE (DESP 97/23/CE)
API 5L X 60/65/70

TRAPS & PRESSURE VESSELS

- pig traps, regular or skid-mounted
- self-reinforced nozzles
- jib crane and handling frame skid assembly
- pig signallers
- trolleys

ASME VIII Div 1 & Div 2
ASME B31. 3/4/8 - DESP 2014/68/UE (DESP 97/23/CE)
API 5L X 60/65/70 Closure A694 F60/65/70
& (S)A350 LF2
8" to 80" and above upon request
Class 150# to 2500# and specific pressure upon request

PIG SIGNALLERS

Function: detects the passing of the pig thru the pipeline.
Intrusive pig signallers (CLST model) are welded onto the pipe and trap. The pig detector is mechanically activated by the passing of the pig.

Materials: carbon, stainless, duplex steels - Rating: 150# to 2500#

- **Type BC2:** suitable for pipeline application (dismountable while the line is under pressure)
- **Type BC1:** not dismountable when the line is under pressure (suitable for trap application)

Signal type:

- **Visual type** (M Head)
- **Electromechanical type** (EM head)

Non-intrusive pig signallers are externally fitted to the pipeline/trap (no weld). The pig detector is activated ultrasonically or magnetically.

SUBSEA: PIPE CONNECTION & RISER COMPONENTS

- Swivel flanges
- Anchor flanges
- Forged items
- Bespoke pieces

ASME VIII Div 1 & Div 2 - B16.5
B16.47 - API 6A - API 17D
A694 F60/65/70 & SS/DX/SDX
Inconel 600/625/825
HIC and SSCC test
Cladding

CERTIFICATIONS

- ISO 9001:2015 by LRQA
- ISO 14001:2015 by LRQA
- ASME U & U2

In addition to these Certifications, issued by public entities and organizations, **Piping Technologies** has Approvals issued by **more than 150 major end-users** in the oil & gas and petrochemical industries

BSL Pipes & Fittings

MANUFACTURING

BSL Pipes & Fittings

MANUFACTURING

COMPANY PROFILE

The history of **BSL** goes back to 1946 with the production of vessels in stainless steel and later in 1961 the first manufacturing of pipes and elbows in stainless steel.

Currently, **BSL** is a widely-approved supplier to the oil & gas, nuclear, desalination, petrochemical and other industries with specific requirements concerning corrosion and heat resistance as well as highest expectations with regards to quality and safety.

BSL is an approved supplier to almost all end-users such as Saudi Aramco, Qatargas, BP, Shell, PDO, Total and Petrobras among others.

The factory is located in Billy-sur-Aisne, Soissons (France), 80 km from Charles De Gaulle International Airport
and occupies a 130,000 sqm overall space divided into 22,300 sqm roofed production area, 12,000 sqm storage, and 1,050 sqm office building.

The core competence of the company is the manufacture of longitudinally welded pipes as well as seamless and welded fittings in stainless steel, duplex grades, high nickel and special alloys such as copper nickel. Our processes and Quality-Assurance system ensures operational excellence and traceability at all times.

Since May 2022 **BSL Pipes & Fittings** has been a part of the **Allied International Group**. This acquisition, in accordance with both the Group's growth plans and market trends towards a concentration at all levels of the supply chain, has further increased the synergy between the **Allied International Group** companies in terms of branding, product ranges, capacity, operations and stock management.

COMPANY DETAILS

Company Name
BSL PIPES & FITTINGS SAS

Registered Office,
Head Office and Work
108, route de Reims
02200 Billy-sur-Aisne, Soisson, France

Chamber of Commerce
RCS Soisson 899261895

Paid Capital
Euro 50,000

VAT No.
FR 66899261895

Telephone
+33 (0) 323 755 900

E-mail
bsl@bsl-pf.com

Website
www.bsl-pf.com

PRODUCTS & TARGET MARKETS

BSL manufactures welded CRA pipes in single & double random lengths starting with (NPS Ø) 3" to 48" and wall thickness from 2 mm up to 50 mm from plates. It also produces pipes from coils ranging from 3" to 20" and wall thickness from 2 mm to 13 mm in desired lengths.

All other dimensions can be manufactured in accordance to our customer's specific requirements. We manufacture our pipes in all stainless grades, duplex, high nickel and special alloys.

BSL manufactures also welded and seamless CRA fittings such as elbows, tees, caps and reducers in dimensions from 1" to 60" and wall thickness up to 2".

Special dimensions can be produced in accordance with customer specifications.

BSL fittings are in all stainless grades, duplex, high nickel and special alloys.

The main target markets are: oil & gas (offshore, onshore, LNG terminals, LNG carriers), petrochemical, desalination, aerospace and Defense.

Pipes from Plate (Press Brake)

PRODUCT PORTFOLIO*	OD (NPS)	THICKNESS (mm)
Welded Pipes (from Plates)	3" - 48"	2 - 50
Welded Pipes (from Coils)	3" - 20"	2 - 13
Fittings (Seamless & Welded) *Elbows, Tees, Caps, and Reducers*	1" - 60"	up to 2"

***Other size on request**

Pipes from Coil (continuous process)

MANUFACTURING PROCESSES

WELDED PIPES

- Pipes from plate (press brake)
- Pipes from plate (roller)
- Pipes from coil (continuous process)
- 3 coil lines – OD 3“ to 20“ – WT 2 to 13mm

FITTINGS FROM PIPE

- Cold forming from pipe, X-ray, heat treatment, pickling/ passivation, marking and packing
- Large hydroforming-press

FITTINGS FROM PLATE

- Plasma cutting, formed and pressed, welding machines, X-rays, heat treatment, pickling/ passivation, marking and packing

TESTING

- In-house laboratory: bending and tensile test; impact tests at low/ room temperatures; corrosion test; hardness tests; micro and macro examinations; ferrite content measurement; PMI; among others...
- Non-Destructive Testing: dye penetrant test; eddy current test; radiographic examination (undertaken with film recording media or a digital image acquisition system; NDT personnel are level II qualified according to ISO 9712 or EN10256 and work on the supervision of a level III ISO 9712 ASNT SNT TC1A), hydrostatic test; ultrasonic examination

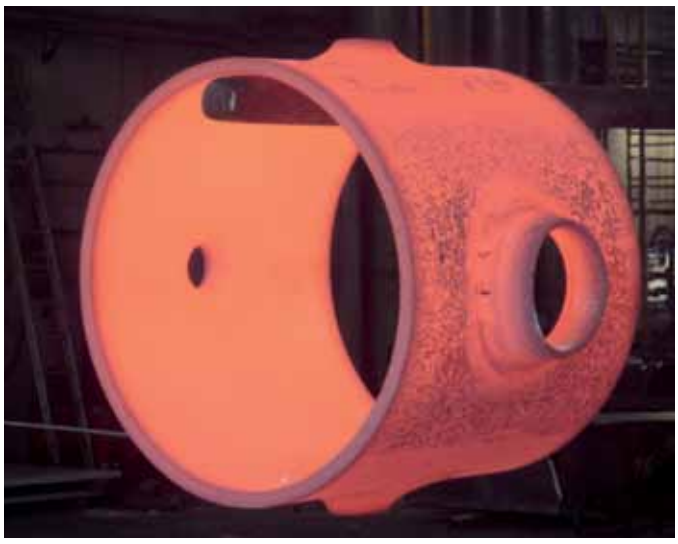
CERTIFICATIONS

- ISO 9001:2015 by Lloyd’s Registers
- ISO 14001:2015 by Lloyd’s Registers
- AD-Merkblatt W0/ TRD 100 by TÜV
- American Petroleum Institute
- Det Norske Veritas
- Stoomwezen
- PED 2014/68/EU
- NORSOK
- RINA

In addition to these Certifications, issued by public entities and organisations, **BSL Pipes and Fittings** has Approvals issued by private and public companies, such as: **Saudi Aramco, Qatargas, Shell, Exxon Mobil, Total, BR Petrobras, KOC** (Kuwait Oil Company), **PDO** (Petroleum Development Oman), **Petronas, ADMA** (Abu Dhabi Marine Operating Company)**.**

PETROL RACCORD

MANUFACTURING



PETROL RACCORD

MANUFACTURING

COMPANY PROFILE

In May 2023, **Allied International Group**, completed the acquisition of **Petrol Raccord**, manufacturer of buttweld fittings for the oil & gas, power-generation and petrochemical industries, in a deal intended to expand the **Allied Group** production range.

Established in 1969, **Petrol Raccord** manufactures buttweld fittings from 1/2" up to 56", almost without wall thickness limitations, and holds an impressive number of end-user approvals.

Using the hot forming method, **Petrol Raccord** has the capability to provide elbows, tees, reducers and caps in accordance with the most stringent market requirements.

In addition, thanks to the experience and expertise which have made **Petrol Raccord** internationally acclaimed in its field, an increasing part of production is dedicated to special/customised fittings such as flow or barred tees, Y shaped pieces, laterals, manifolds and headers.

The integration of **Petrol Raccord** within **Allied Group** will enable it to expand further its manufacturing range. With focus on stainless steel and special materials such as duplex, superduplex, 6-Moly and nickel alloys, **Petrol Raccord** will create additional value, increasing Group efficiency in the provision of complete project packages.

COMPANY DETAILS

Company Name
PETROL RACCORD S.R.L.

Registered Office,
Head Office and Plant
Zona Industriale Ponte Trebbia
Via Trebbia, 29
29010 Calendasco, Piacenza, Italy

Chamber of Commerce
REA/PC65074

Paid Capital
€ 62,500.00

VAT No.
IT00256800335

Telephone + 39 0523 761811
Fax + 39 0523 761888

E-mail
petrolraccord@petrolraccord.com

Website
www.petrolraccord.com

PRODUCTS & TARGET MARKETS

Fittings can be produced either in seamless or welded execution, with one- or two-weld seam.

Engineering according to standard ASME B16.9 or any other international standard for fittings (ISO 15590, EN 10253).

Special products according to customer drawing and requirement are available:
- Elbows and Bends of special radius
- Fabricated pieces
- Lateral Tees
- Special Flow Tees and Barred Tees
- "Y" pieces
- Manifolds either extruded or pre-fabricated, according to customer drawing.

Main target markets: shipyards, oil&gas, fertilizers, desalination, power and nuclear.

FITTING TYPE	OD (RANGE)	WALL THICKNESS	STEEL GRADE
Elbows	1" to 56"	Unlimited	Any kind of grade: carbon steel, alloy steel, duplex grades, non-ferrous alloys, titanium
Tee & Cross Tee	1" to 56"	Unlimited	
Reduced	1" to 56"	Unlimited	
Cap	2" to 56"	Unlimited	

On this page and opposite: examples of manifolds, headers, thick elbows, bends and tees.

CERTIFICATIONS

- ISO 9001:2015
- ISO 45001:2018
- ISO 14001:2015
- Ad 2000 Merkblatt W0
- PED 2014/68/UE
- ISO 3834
- NORSOK M-650 Ed. 4

In addition to these Certifications, issued by public entities and organizations, **Petrol Raccord** has Approvals issued by private and public companies, such as: **Saudi Aramco, GE, Mitsubishi, BP, Shell, Equinor.**

QUALITY CONTROL

Testing carried out in-house at the internal laboratory or outsourced to ISO 17025 qualified laboratories.

Destructive testing

- Bend test
- Flattening test
- Macro/micro-graphic examination
- Hardness test
- Impact test
- Product Analysis
- Tension test

Non-Destructive testing

- Radiographic examination
- Ultrasonic examination
- Dye penetrant test
- Magnetic particle inspection
- Ferrite check
- Hydrostatic test
- Hardness test
- PMI (XRF-OES)
- Visual & dimensional inspection

AASIA STEEL
ALLIED GROUP
Joint Venture

MANUFACTURING

AASIA STEEL ALLIED GROUP Joint Venture

MANUFACTURING

ALLIED GROUP PROJECT IN THE KINGDOM OF SAUDI ARABIA (KSA)

Saudi Aramco (Saudi Arabian Oil Company) is the state-owned petroleum and natural gas company of the Kingdom of Saudi Arabia. It is the largest and most profitable company in the world. In 2017 Saudi Aramco had launched the IKTVA (In-Kingdom Total Value Added) program, aiming at developing a structure of local labour and sub-suppliers through 420 billion USD total investments in 5 years.

In this context, buttweld fittings and clad pipes/fittings manufacturing are under consideration by **Saudi Aramco** for a localization within KSA, therefore this represents for **Allied Group** met attractive opportunity for establishing multiple facilities locally. During 2017 **Allied Group** met **Rafid Group**, one of the leading private multinational conglomerates in the Kingdom of Saudi Arabia (KSA) made up of more than 20 companies and affiliated businesses, providing products and services in the energy, utilities and infrastructure sectors.

Aasia Steel Co. Ltd. is part of **Rafid Group**, providing specialized services and products to local and international clients involved in the construction of the oil & gas, petrochemical, fertilizer, power, desalination and infrastructure sectors.

Allied Group and **Aasia Steel** finally decided to form a new venture aimed at manufacturing locally some of the commodities most requested by the oil & gas industry in the KSA, in particular **Saudi Aramco**, such as buttweld fittings and clad fittings, hot induction large radius bends, welded pipes & clad pipes.

FOUR JOINT VENTURES IN JUBAIL

The newcos are located in the Industrial City of Jubail (KSA) in a common area of 240,000 sqm but internally separated and managed jointly. The core competences of the parties are as follows:

- **Aasia Steel**: single source in **Saudi Aramco**, penetration in the local market, construction and start-up of facilities in KSA (buildings, offices, utilities).
- **Allied Group**: branding, technology (production of fittings, bends, welded/clad pipes), design of the layouts of the factories, equipment (technical specifics for all machineries), quality system management.

AASIA TECTUBI FACTORY INDUSTRY CO. LTD

Manufacture of seamless fittings up to 36" (including metallurgically bonded clad fittings) and welded fittings up to 48" (including metallurgically bonded clad fittings) in all material grades.

AASIA GEMINIX FACTORY INDUSTRY CO. LTD

Manufacture of metallurgically bonded clad pipes in all material grades and welded pipes in all material grades up to 48".

AASIA SIMAS FACTORY INDUSTRY CO. LTD

Manufacture of hot induction bends up to 48" in all material grades including metallurgically bonded and weld overlay bends.

AASIA BASSI LUIGI & C. COMPANY LTD

Manufacture of prefabricated products.

COMPANY DETAILS

Company Name
Aasia Steel and Allied Group Joint Venture

Head Office and Plants
Aasia Allied Industrial Complex
Support Industrial – 3
Jubail Industrial City
Kingdom of Saudi Arabia

Telephone +39 0523 991211

E-mail
alliedfittings@alliedfittings.com

Websites
www.allied-group.com
www.aasiasteel.com

MATERIALS USED AND RELATED INTERNATIONAL STANDARDS

CARBON AND ALLOY STEEL FOR ROOM, MODERATE AND ELEVATED TEMPERATURES

ASTM / ASME A/SA 106
API 5L: Gr.B - Gr.C
ASTM / ASME A/SA 335: Gr.1 - Gr.11 Gr.12 - Gr.5 - Gr.22 - Gr.9 - Gr.91 - Gr.92
CLAD: CS+INCONEL - CS+INOX CS+HASTELLOY
ASTM / ASME A234: WPB - WPC - WP1 WP11 - WP12 - WP5 - WP22 - WP9 WP91 - WP92
EN 10216-2: P195GH P235GH - P265GH 20MnNb6 - 16Mo3 - 8MoB5-4 -14MoV63 10CrMo5-5 - 13CrMo4-5 - 10CrMo9-10 15NiCuMoNb5-6-4 - X11CrMo5 X11CrMo9-1- X10CrMoVNb9-1 X10CrWMoVNb9-2- X20CrMoV11-1 (former AFNOR-DIN-BS equivalent grades)
EN 10253-1 EN 10253-2 RCC-M: CL2 CL3 - NC grades P265GH - P280GH P295GH - P355NH - TU42C - AE250B1 (other grades can be supplied upon request).

CARBON AND ALLOY STEEL FOR LOW TEMPERATURE SERVICE

ASTM / ASME A/SA 420: WPL6 - WPL3
ASTM / ASME A/SA 333: Gr. 6 - Gr. 3 Gr. 8 and equivalent grades
ASTM /A 671/ A672 /A691

STAINLESS STEEL

ASTM / ASME A/SA 312: TP304 -TP304L TP304H - TP304LN - TP304N - TP316 TP316L - TP316H - TP316LN - TP316N TP317 - TP317L - TP321H - TP347 TP347H - S31254 and equivalent grades 304/L - 304/H - 316/L- 317/L - 321/H 347/H - 309/S - 310/S - 410/S - 904L 254SMO - 6Mo - 253Ma UREA grades
RCC-M: CL1 - CL2 - CL3 Z2CND17.12 - Z2CN18.10 Z2CND18.12N (other grades can be supplied upon request)
ASTM A774: TP304L - TP316L - TP317L TP321 - TP347
Equivalent grades of **EN 10253-3 EN 10253-4** (former AFNOR-DIN-BS equivalent grades).
ASTM / ASME A/SA 403: WP304 WP304L - WP304H - WP304LN WP304N - WP316 - WP316L - WP316H WP316LN - WP316N - WP317 WP317L - WP321 - WP321H - WP347 WP347H - WPS31254

AUSTENITIC/FERRITIC STAINLESS STEEL

ASTM / ASME A/SA 790: UNS 31803 (duplex) - UNS 32750 (superduplex) UNS 32760 (superduplex) UNS 32550 (superduplex) and equivalent grades

ASTM / ASME A/SA 815:
UNS 31803 (duplex) - UNS 32750 (superduplex) - UNS 32760 (superduplex) UNS 32550 (superduplex) and equivalent grades UNS S32205 (duplex)
UNS S32101 - UNS 531254 (6Mo)

HIGH YIELD STEEL FOR PIPELINE AND OFFSHORE

API 5L: Gr. X42 - X46 - X52 - X60 - X65 X70 - X80
EN 10208-2: L245NB - L290NB - L360NB L415NB - L360QB - L415QB - L450QB L485QB - L555QB - L360MB - L415MB L450MB - L485MB and equivalent grades
ASTM A860/MSS-SP75: WPHY 42 WPHY 46 - WPHY 52 - WPHY 60 WPHY 65 - WPHY 70 grades - WPHY 80 only as per MSS-SP75

NICKEL AND NICKEL ALLOYS

ASTM / ASME B/SB 366:
UNS N04400 - 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 - UNS N10276
and equivalent grades

COPPER ALLOY

Copper-nickel ASTM / ASME B/SB 466:
UNS C70600 (CuNi 90/10)
UNS C71500 (CuNi 70/30)
and equivalent grades.

TITANIUM ALLOY

ASTM / ASME B/SB363:
WPT2 - WPT12
and equivalent grades
ASTM / ASME B/SB862:
and equivalent grades
ASTM / ASME B/SB861:
Gr. 1 - Gr. 2 - Gr. 12

ALUMINUM ALLOY

ASTM B361: 3003 and 6061 grades

INVAR ALLOY

FeNi 36

DESIGN CODES

2014/68/EU
API 5L/5LC/5LD - DNV OS-F101

ASME sect. III
ASME sect. VIII div.1-2
ASME B31.1 - ASME B31.3
ASME B31.4 - ASME B31.8

EN 13445 - 13480 - 12952
(former BS PD 5500
Swedish ordinance AFS 1994:39)

DIN 2413 - TRD301

AD 2000 Merkblatt B2-B3-B9 - W0

STOOMWEZEN rules for pressure vessels

MSS - SP-75

MANUFACTURING STANDARDS

ASME B16.9 - ASME B16.28
ASME B16.25 - ASME B16.49
MSS-SP75 - MSS-SP43

DIN 2605 - 2606 - 2615
2616 - 2617 - BS 1640

GOST 17374 - 17375 - 17376 - 17377
17378 - 17379 - 17380

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 - EN 10217-7 - EN 10296-2
EN 10253-2 - EN 10253-4

ISO 15590-1 - ISO 15590-2

EN 14870

NORSOK M630

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

MANDELLI

MANUFACTURING

MANDELLI

MANUFACTURING

COMPANY PROFILE

Allied International Group, as part of its growth and diversification strategy, in June 2021 acquired the Piacenza-based company **Mandelli**, one of the most famous brands in the Italian Machine Tools sector.

Founded in 1932 by Renato Mandelli, over the years it developed the first horizontal machining centers, which distinguished themselves right from the start in terms of power, precision and reliability over time. Features to which are added today maximum rigidity, vibration damping, zero-backlash, high accuracy and repeatability.

Mandelli today designs and produces high-end horizontal machining centers; the **SPARK** HMC line, with numerous customizations that make this model a point of reference in the HMC world.
The **HS** HMC (High Speed) model, the latest from Mandelli's designers, the small multitasking machine conceived for great performances.
The **RUMBLE** HMC line, designed as a profiling machine for the aerospace sector, gives satisfactory results in many other sectors, for example in general mechanics.
Indeed, **Mandelli'**s lines are used not only in aerospace, but also in oil & gas, power generation, mobility and in the above-mentioned general mechanics.
Mandelli, with its headquarters in Piacenza, is present on the international stage with its North European branch in Brussels and with the North America branch in Los Angeles, to which are added the Allied Group's numerous warehouses.

COMPANY DETAILS

Company Name
MANDELLI S.R.L.

Registered office and Head Office and Work
Via Caorsana, 35
29122 Piacenza, Italy

Chamber of Commerce
REA: PC-194271

Paid Capital
Euro 10,000

VAT No.
IT 01729010338

Telephone
+39 0523 548 548

E-mail
mandelli@mandelli.com

Website
www.mandelli.com

PRODUCTS & TARGET MARKETS

Mandelli S.R.L. produces horizontal and multitasking machining centers which bring together top-level performances such as accuracy, power and speed to guarantee excellent dynamic and static performances as well as reliability over time.

Initially conceived and designed mainly for the aerospace and energy markets, the **SPARK** line is now widely used also by customers from the precision and mobility industries. Mounting large-size facing heads when necessary, **SPARK** machines allow for the production of a wide range of products, from aircraft structural parts to engine shafts, moving through turbine blades, valve bodies, flanges and axles with optimal results in the machining of any type of material, from HRSA to superalloys.

Combining both the features of a milling machine and a lathe in a single machining center, most models of the **SPARK** line are the right choice for the customers who need perfect finishing results on a single machining center.

SPARK LINE
where accuracy, power and speed come together

Designed according to the Finite Element Method to combine the high rigidity required by roughing operations and the flexibility expected in finishing, the **SPARK** line guarantees excellent static and dynamic performances under the most demanding working conditions.

A wide range of heads to meet the most diverse needs, without compromise: made of electro-welded steel or spheroidal cast iron, both thermally stabilized, the spindles equipping the **SPARK** line heads provide maximum radial/axial rigidity in any working condition thanks to a pneumatic system which varies the preload according to the rotation speed and a zero backlash kinematics combined with ultra

precise dynamically-balanced ceramic bearings.

The **SPARK** line can be equipped with any pallet automation system: the twin automatic pallet changer that optimises floor space, the trans-pallet system housing up to a maximum of 8 buffer stations for any pallet size, to the single- or double-level expandable shuttles and integrations with complex multilevel systems.

RUMBLE
a blend of top class technology

The first 5-axis horizontal profiler designed to machine hard materials, larger workpiece dimensions and complex profiles.

Designed according to the Finite Element Method and originally conceived for the aerospace industry to meet the needs of one of the two major manufacturers of aircraft in the world, today **RUMBLE** is being developed for other sectors that require significant machine structures and characteristics.

HS 50 5AXIS
The small multitasking machine, conceived for great performances

Compact and small for easy placement

High speed for high production

Modular, for greater cost effectiveness and reduced environmental impact

Versatile and suitable for all production

CUSTOMIZED MACHINING CENTERS

Special solutions for unique systems. **Mandelli** works in partnership with its customers to find THE solution that will bring to life systems that can be considered unique.

SERVICE AND RETROFITTING

Mandelli Service is an integrated structure interconnected in real time with all the company functions, both on site and online. With more than 10,000 original spare parts in stock, technical assistance intervention within 48 hours anywhere in the world and onsite technicians dedicated to the helpline support, **Mandelli Service** can provide nonstop assistance to reduce downtimes to a minimum.

Not only structural interventions to restore initial operating conditions, but also the application o f the technological innovations installed on the most recent products, modifications of the machine functions to meet new production needs, integration of retrofitted machines into new FMS lines and safety upgrades to bring the machine in line with the latest safety rules and regulations.

THE ALLIED GROUP IN DETAIL

ALLIED INTERNATIONAL GROUP

COMMERCIAL DIVISION

Allied International S.R.L.
- Head Office in Nibbiano, Alta Val Tidone, Piacenza, Italy
- Warehouse in Castel San Giovanni, Piacenza, Italy*

Allied International France S.a.r.l.
- Head Office in Marseille, France
- Commercial office in Algiers, Algeria

Allied The Netherlands BV
- Commercial Office in Dordrecht, The Netherlands

Caspian Allied International Too
- Office and Warehouse in Aktau, Kazakhstan*

Allied Fittings Asia Pacific Pte. Ltd.
- Commercial Office in Singapore

Allied Pipes and Fittings Southern Africa Ltd.
- Commercial office in Johannesburg, South Africa
- Representative office in Libreville, Gabon - Luanda, Angola Accra, Ghana

Allied South Africa Ltd.
- Head Office in Johannesburg, South Africa

Allied Pipes & Fittings Nigeria Ltd.
- Commercial Office in Lagos, Nigeria

Allied Internacional Lda
- Commercial Office in Maputo, Mozambique

Phocéenne S.A.S.
- Head Office in Vitrolles, France

Tectubi Tianjin Fittings Co. Ltd.
- Commercial Office and Warehouse in Tianjin, China*
- Commercial Office in Beijing, China

MANUFACTURING DIVISION

Tectubi Raccordi S.p.A.
- Head Office, Plant and Warehouse in Podenzano, Piacenza, Italy*
- Office and plant in Castel San Giovanni, Piacenza, Italy*
- Plant in Calendasco, Piacenza, Italy
- Office, Plant and Warehouse in Carbonara Scrivia, Alessandria, Italy*

Raccordi Forgiati S.R.L.
- Office and Plant in Nibbiano, Alta Val Tidone, Piacenza, Italy

Gieminox Tectubi Raccordi S.R.L.
Tectubi Raccordi Welded Pipes Division
- Head Office, Plant and Warehouse in Schio, Vicenza, Italy *

Allied International UK Ltd.
- Office, Plant and Warehouse in Grangemouth, Falkirk, Scotland*
- Office and Warehouse in Aberdeen, Scotland*
- Office and Warehouse in Teesside, England*

Bassi Luigi & C. S.p.A.
- Head office, Plant and Warehouse in San Rocco al Porto, Lodi, Italy*

SIMAS S.p.A.
- Head office, Plant and Warehouse in Prezzate Mapello, Bergamo, Italy*
- Elkrom Division *Railway automation systems Office* in Genova, Italy

Interfit S.A.S.
- Head office, Plant and Warehouse in Maubeuge Cedex, France*

Piping Technologies
Phocéenne S.A.S. Division
- Head office, Plant and Warehouse in Vitrolles, France*

BSL Pipes and Fittings
- Head office, Plant and Warehouse in Billy sur Aisne, Soisson, France*

SAIC S.A.S.
- Office, Plant and Warehouse in Beuvrages, France*

Petrol Raccord S.R.L.
- Head Office, Plant and Warehouse in Calendasco, Piacenza, Italy*

Mandelli S.R.L.
Machining Centers
- Headquarters and Plant in Piacenza, Italy*
- North Europe Branch in Brussels, Belgium
- North America Branch in Los Angeles, USA

ALLIED GROUP NORTH AMERICA

(Allied Fitting, Allied Stainless, Warren Valve, Trilad, Ezeflow, Flowline, Allied Pipe, DL Flange)

U.S.A
- North American Headquarters and Warehouse in Houston, Texas*
- Offices and Warehouses in
  Atlanta, Georgia*
  Charlotte, North Carolina*
  Dayton, New Jersey*
  Denver, Colorado*
  Fairfield, Ohio*
  Fort Mill, South Carolina*
  Mira Loma, California*
  Missouri City, Texas*
  Ridgefield, Washington*
  South Holland, Illinois*
  St, Louis, Missouri*

CANADA
- Offices and Warehouses in
  Sherwood Park, Alberta*
  Lachine, Quebec*
  Cambridge, Ontario*

JOINT VENTURE AASIA STEEL - ALLIED GROUP

Aasia Tectubi Company Ltd.
Aasia Gieminox Company Ltd.
Aasia Simas Company Ltd.
Aasia Bassi Company Ltd.
- Head quarter, Plant and Warehouse in Jubail Industrial City, Saudi Arabia*

* Facilities with Warehouse

ALLIED IN THE WORLD

ALLIED GROUP COMPANIES

AI	ALLIED INTERNATIONAL
AN	ALLIED NORTH AMERICA
TR	TECTUBI RACCORDI
GX	GIEMINOX TECTUBI RACCORDI
RF	RACCORDI FORGIATI
BA	BASSI
SI	SIMAS - ELKROM
IF	INTERFIT
PH	PHOCÉENNE
PT	PIPING TECHNOLOGIES
SA	SAIC
BSL	BSL PIPES & FITTINGS
PR	PETROL RACCORD
MA	MANDELLI

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