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Cimolai is an industrial group specialized in the realization of large complex works and operates worldwide in the design, supply and erection of complex steel structures ranging from bridges and stadiums, to architecturally complex buildings and structures for the Off-shore and Oil & Gas sectors, these being either commodities (pipes, plate girders, etc.) or complete assemblies (modules, platforms, pressure vessels, etc.).

The Company specializes in the study of dedicated design solutions, Building Information Modeling management and interfaces, definition of design detailing, fatigue verification, development of shop fabrication drawings, analysis of special transportation (land and sea) systems, and definition of erection methods.

Our goal is to meet the needs of clients through the creation of distinctive and avant-garde works, able to combine functionality, beauty and respect for the environment and to compete on an equal footing with the major international players.
MAIN GROUP DATA

58 COUNTRIES

1,291,000 M² OF INDUSTRIAL AREAS

324,000 M² OF INDUSTRIAL COVERED AREAS

150,000 TONS STEEL STRUCTURES PROCESSED PER YEAR

ORDER BACKLOG TREND (mill euro)

700 650 800 750 800 680 836
2012 2013 2014 2015 2016 2017 2018

ITALY
196,000,000 €

ABROAD
306,000,000 €

TOTAL
502,000,000 €

PROVISIONAL TURNOVER 2018
OFFICES & FACILITIES

CIMOLAI SpA - Porcia - Italy
HEADQUARTER

CIMOLAI SpA - Roveredo in Piano - Italy
Total Area 140,000 m² - Plant Area 46,000 m²

CIMOLAI SpA - S. Giorgio di Nogaro - Italy
Total Area 146,000 m² - Plant Area 40,000 m²

CIMOLAI SpA - S. Giorgio di Nogaro 2 - Italy
Total Area 95,000 m² - Plant Area 12,000 m²

CIMOLAI SpA - Polcenario - Italy
Total Area 120,000 m² - Plant Area 37,000 m²

CIMOLAI SpA - Artugna - Italy
Total Area 85,000 m² - Plant Area 12,000 m²

CIMOLAI SpA - Monfalcone - Italy
Total Area 280,000 m² - Plant Area 60,000 m²

ZWAHLEN & MAYR SA - Aigle - Switzerland
Total Area 165,000 m² - Plant Area 31,000 m²
OFFICES & FACILITIES

CIMOLAI ASC Srl
Porcia - Italia

CIMOLAI TECHNOLOGY SpA - Carmignano - Italia
Total Area 53,000 m² - Plant Area 21,000 m²

CS FACADES Srl
Silea - Italy

CIMOLAI UK LTD
London - UK

CIMOLAI & RIMOND
MIDDLE EAST CONTRACTING LLC
Dubai - UAE

CIMOLAI USA LLC
New York - USA

LLC JVK CIMOLAI - Chelyabinsk - Russia
Total Area 60,000 m² - Plant Area 26,400 m²

ARMANDO CIMOLAI C.S. Srl - S. Quirino - Italia
Total Area 141,000 m² - Plant Area 45,000 m²

CIMOLAI RIMOND
MIDDLE EAST GENERAL CONTRACTING LLC
Abu Dhabi - UAE

CIMOLAI RIMOND UK LLP
London - UK
LARGE DIAMETER PIPES
MARKETS

OFFSHORE STRUCTURES
pipes, piles, cans and cones for offshore platforms jackets and topsides, foundation jackets for wind farms

ONSHORE PLANTS
process pipes for the petrochemical industry, Oil&Gas treatments plants, power plants and reactors, Oil&Gas refineries, LNG terminals

CIVIL CONSTRUCTIONS
structural pipes for stadiums, bridges and buildings

SPECIAL ITEMS
mother pipe for bends, pipes for slug catcher facilities (including HIC & SSC). Prefabricated tubular elements ready to be assembled at construction yard
Since 2003, Cimolai has been a major producer of LSAW steel pipes of large diameters and heavy wall thicknesses for Offshore structures and the Oil and Gas industry in general, as well as fabricating jacket structures for renewable energy.

The factory is equipped by its own quay for mooring sea vessels and barges, which is 200 m in length and has a 7 m water depth.

Components of virtually any size and weight can be handled by the various lifting equipment installed, such as a 350 t capacity mobile gantry crane, Self-Propelled Multi-Wheel Trailers (SPMT), telescopic and crawler cranes, strand jacks and lifting towers.
LSAW PIPES
20,000 m²

OWNED QUAY
length 200 m - draft 7 m

MARINE STRUCTURE AND MODULES
14,000 m²

PAINTING AREA
6,000 m²

total area 146,000 m²
plant area 40,000 m²
PRODUCTS

PRESS BENDING

• Production range structural pipes:
  Outside Diameter 457 mm - 2.032 mm (18” - 80”).
  Wall Thickness 9.53 mm - 101 mm (3/8” - 4”).
  Max Length 15,100 mm (49.54 ft).

• Production range process pipes:
  Outside Diameter 457 mm - 1,574 mm (18” - 62”).
  Wall Thickness 9.53 mm - 76.2 mm (3/8” - 3”).
  Min Length 6,096 mm (20 ft).
  Max Length 15,100 mm (49.54 ft).

ROLL BENDING

• Production range:
  Min Outside Diameter 914 mm (36”).
  Wall Thickness 9.53 mm - 127 mm (3/8” - 5”).
  Max Length 3,050 mm (10 ft).

Bending capacity 6,000 t
MATERIAL GRADES

Cimolai purchases the plate material for manufacturing pipes only from the main qualified plate mills. Several parameters are used for choosing the suppliers, such as applicable standard, the grade of the material and any additional requirement; width, thickness and weight of plates required and delivery time.

<table>
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<tr>
<th>Structural Pipes</th>
<th>Yield Strength: from 355 MPa up to 830 MPa</th>
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<tr>
<td>EN Standard</td>
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<td>Line pipe</td>
<td>PSL 2 Delivery Condition M Max Grade X120, Q Max Grade X100</td>
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<td>Sour Service (Annex H): Delivery Condition M and Q Max Grade X70</td>
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<td>A671: Steel Pipe for Atmospheric and Lower Temperature</td>
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<td>A672: Steel Pipe for High-Pressure Service at Moderate Temperatures</td>
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## PRODUCTION RANGE

### PRESS BENDING PRODUCTION RANGE

Material with Yield Strength 355 Mpa (API 5L X52/S355)

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- Maximum Length 49,54 ft - 15,1 m
- Maximum Length 40,00 ft - 12,7 m
- Maximum Length 40,00 ft - 10,5 m
- Maximum Length 20,00 ft - 6,0 m
- Maximum Length 14,80 ft - 4,5 m

Intermediate wall thicknesses and diameters available on request - API Monogram available up to outside diameter 62 inch

### ROLL BENDING PRODUCTION RANGE - ROLLING THICKNESS

Material with Yield Strength 355 Mpa (API 5L X52/S355)

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### PRODUCTION RANGE

**PRESS BENDING PRODUCTION RANGE**

Material with Yield Strength 460 Mpa (API 5L X65/S460)

<table>
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<th>Outside Diameter [inch - mm]</th>
<th>Single</th>
<th>Double</th>
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- **Maximum Length 49,54 ft - 15,1 m**
- **Maximum Length 40,00 ft - 12,2 m**
- **Maximum Length 40,00 ft - 10,5 m**
- **Maximum Length 20,00 ft - 6,0 m**
- **Maximum Length 14,80 ft - 4,5 m**

Intermediate wall thicknesses and diameters available on request - API Monogram available up to outside diameter 62 inch

### ROLL BENDING PRODUCTION RANGE - ROLLING THICKNESS

Material with Yield Strength 460 Mpa (API 5L X65/S460) - Max Bottom Rolls Centre Distance

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MANUFACTURING PROCESS

PLATE STORAGE

PLATE CONTROL, REGISTRATION INFO FOR TRACEABILITY & MARKING

SAND BLASTING

PIPE OV Aldy CALIBRATION

HEAT TREATMENTS

EXTERNAL WELDING

VISUAL INSPECTION

AUTOMATIC ULTRASONIC TESTING

PIPE ENDS CUTTING & FACING

MAGNETIC PARTICLE TESTING

X RAY TESTING

SAND BLASTING PAINTING COATING MARKING

STORING SHIPPING

SURFACE TREATMENTS QUALITY CONTROL
MANUFACTURING PROCESS

- **Plate Oxy-Cutting**
- **Longitudinal Edge Beveling**
- **Longitudinal Edge Pre-Bending**
- **Longitudinal External Milling**
- **Pipe Forming Press Bending**
- **Tack Welding**
- **Internal Welding**
- **Pipe Ends Beveling**
- **Mechanical Testing**
- **Hydrostatic Testing**
- **Quality Controls**
- **Secondary Steel**
- **Circumferential Welding**
- **Automatic Dimensional Inspection**
- **Pipe Marking**

**Quality Controls**

**Secondary Steel**

**Circumferential Welding**

**Automatic Dimensional Inspection**

**Pipe Marking**

**Hydrostatic Testing**

**Mechanical Testing**
CERTIFICATIONS - HSE

WE TAKE RESPONSIBILITY FOR THE QUALITY OF OUR PRODUCTS AND SERVICES, FOR OUR EMPLOYEES AND FOR THE IMPACTS OUR BUSINESS OPERATIONS HAVE ON SOCIETY AND ENVIRONMENT

1 MILLION MANHOURS WITHOUT LOST TIME INJURY

We trust, respect and support each other
We strive to earn the trust of our partners
Safety is made together!
CERTIFICATIONS - HSE

- ISO 9001:2015
- ISO 3834-2
- API 5L
- API 2B
- ASME U
- PED
- EN 10210-1 / EN 10219-1
- Achilles - JQS
- Achilles - FPAL

WELDING PROCEDURE QUALIFICATIONS
- We cover a full range of material grades and main recognized standards as NORSOK M-101, EEMUA 158 DNV-OS-C401, AWS and customer specifications.

HSE CERTIFICATIONS
- OHSAS 18001:2007

ENVIRONMENT MANAGEMENT
- ISO 14001:2015
SERVICES & BENEFITS

Processing inside the factory by CNC machines allow for the following consistent advantages:

- Engineering and welding expertise
- Certain production time
- QC in production line
- Reduction of waste and related costs
- Production not affected by weather
- Absolute precision in matching pieces
- Extremely easy assembly
- Reduction of costs for stock and handling of pipes at construction yard
- Increased reliability, reduced criticalities
- Overall reduction of manpower
- Reduction of Yard Transit Time

3D modelling
CNC processing

Handling
Logistic
Sand Blasting
Painting
SERVICES & BENEFITS

- Circumferential welding
- Prefabricated components
- Secondary steel
- Internal laboratory
- Controlled production conditions
- Repetitive procedures
- Highly skilled staff
STAINLESS STEEL TUBES
Cimolai with Zwahlen & Mayr manufacture two types of stainless steel tubes: standard welded and welded-redrawn for high precision applications. These tubes are used in a wide range of applications as heat exchangers, condensers, evaporators, super heaters, power plants and equipment in the food industry as well as in the pharmaceutical, pneumatic, automotive, instrumentation, oil & gas, valves and aerospace industries.

**STAINLESS STEEL GRADES**

- **Austenitic**
  304/304L/316/316L/316SL/316TI
  321/317L/317LN

- **Super Austenitic**
  904L/254SMO/N08926/N08800/AL6XN

- **Duplex**
  S32101/S32304/S32205/
  S31803/S32750/S32760

- **Inconel**
  600/601/625/602/825

- **Ferritic**
  S44100/S44400/S43035

- **Heat resisting steels**
  310S/321H/304H

- **Incoloy + Hastelloy**
  on request
PROCESS AND CHARACTERISTICS

Strips are first formed along the width and then TIG (tungsten inert gas) or laser welded at the edges along the length. Welding is carried out without any filling material.

Strong corrosion resistance, precise forming, excellent roughness of surface even along the welding area are the keys to success that make ZM tubes a world-class supplier for heat exchangers, evaporators, condensers and feed water heaters.

We deliver both straight and U-bent tubes with a length of up to 30 meters.

PRODUCTION RANGE

- Longitudinally welded stainless steel tubes:
  Diameters 12 - 114.3 mm (0.472” - 4.50”)
  Thickness 0.50 - 4.00 mm (0.02” - 0.157”)
  Length up to 30 m (up to 100 ft)
  U-bent tube and machining
WELDED REDRAWN TUBES

PROCESS AND CHARACTERISTICS

Our stainless steel welded tubes are fully manufactured “in house” - from mother coil slitting up to standard welded tubes - which guarantees constant mechanical parameters, specific surface roughness and tight dimensional tolerances. These tubes then go through a specialized redrawing process in order to achieve extreme precise characteristics as: narrow dimensional tolerances, ultra smooth surface with specific roughness outside and inside, specific mechanical values, very short tubes (min. 4 mm - 0.157 inch).

Outside surface tubes are supplied with different finish such as BA - bright annealed or polished.

PRODUCTION RANGE

- Re-drawn stainless steel tubes:
  - Diameters 5.00 - 105.00 mm (0.196” - 4.13”)
  - Thickness 0.30 - 3.00 mm (0.01” - 0.118”)
  - Length from 4 mm (from 0.157”)
**MAIN PROJECTS - OFFSHORE**

**SHAH DENIZ 2**

Client: BP  
Material: S355 G7 + M (EN 10225)  
Weight: 2,500 t  
Year: 2014  
Project location: Azerbaijan

**ELDFISK II, 2/7S PLATFORM**

Client: Conoco Phillips  
Material: EN 10225 S420 G2 + M, DNV 450 SDU  
Weight: 1,000 t  
Year: 2012  
Project location: Norway

**DOLWIN ALPHA PLATFORM**

Client: ABB  
Material: EN 10225 S355 G10 + M  
S 460 G1 + M  
Weight: 1,000 t  
Year: 2011  
Project location: Germany

**DRAGON OIL PROJECT**

Client: Madison Capital Corporation (NCG)  
Material: EN 10225 S355 G10 + M  
Weight: 1,100 t  
Year: 2010 - 2011  
Project location: Turkmenistan
MAIN PROJECTS - OFFSHORE

TURKMENISTAN BLOCK 1 GAS DEVELOPMENT PROJECT

Client: PETRONAS CARIGALI
Material: EN 10225 S460 G7 + M, S355G10 + M
Weight: 1,400 t
Year: 2006 - 2007
Project location: Turkmenistan

KATARINA - IRINA - VESNA - ANA PLATFORMS

Client: ENI
Material: EN 10025 S355K2G3
Weight: 3,200 t
Year: 2005 - 2008
Project location: Croatia

LNG ADRIATIC TERMINAL

Client: ExxonMobil and Qatar Petroleum
Material: EN 10225 S355 G10 + M
Weight: 2,100 t
Year: 2006
Project location: Italy

PEARL GTL PLANT

Client: Shell
Material: EN 10225 S335G7 + N
Weight: 2,800 t
Year: 2005
Project location: Qatar
MAIN PROJECTS - ONSHORE

ZOHR DEVELOPMENT PROJECT
TWO SLUG CATCHER FACILITIES

Client: Petrobel
Material: ASTM A671, Gr. CC70 cl.22, Sour Service
Weight: 3,000 t
Year: 2016
Project location: Egypt

ORPIC LIWA PLASTICS PROJECT

Client: Netherland Operation Company B.V.
Material: SA 302 Gr. B
Weight: 520 t
Year: 2016
Project location: The Netherlands

PIG LAUNCHERS & RECEIVERS

Client: TANAP
Material: API 5L X70 Q PSL2
Weight: 400 t
Year: 2016
Project location: Turkey

ANGOLA LNG PROJECT

Client: BECHTEL
Material: ASTM A516 Gr. 60
Weight: 320 t
Year: 2014
Project location: Angola
MAIN PROJECTS - ONSHORE

GAS TREATMENT PLANT

Client: Gazprom
Material: ASTM A671, Gr.CC70 cl.22
       API 5L X 70 M PSL 2
Weight: 1,100 t
Year: 2013
Project location: Russia

SLUG CATCHER FACILITIES

Client: Fluor
Material: SA 537 Cl.1
Weight: 500 t
Year: 2012
Project location: The Netherlands

KG/D6 ONSHORE TERMINAL PROJECT
SLUG CATCHER

Client: Reliance Industries Limited
Material: API 5L gr. X65 PSL 2 + Sour Service
Weight: 1,600 t
Year: 2007
Project location: India

KASHAGAN FIELD DEVELOPMENT

Client: AGIP KCO
Material: ASTM A671 CC 60 cl.22
Weight: 1,300 t
Year: 2005
Project location: Kazakhstan
MAIN PROJECTS - SPECIAL ITEMS

LEGS FOR JACK UP PLATFORM

Client: Fugro Geoservices
Material: S400 NL
Weight: 300 t
Year: 2016
Project location: UK

MOORING PILES FOR DUNKERQUE LNG TERMINAL

Client: EDF
Material: S550 M
Weight: 300 t
Year: 2015
Project location: France

FOUNDATION PILES FOR FILANOVSKY LQP - 2

Client: LUKOIL
Material: S355 G8 + M
Weight: 2,500 t
Year: 2014
Project location: Russia

LEGS FOR JACK UP BARGE

Client: Fugro Seacore Ltd
Material: S460 NL
Weight: 300 t
Year: 2013
Project location: UK
MAIN PROJECTS - CIVIL CONSTRUCTION

COVERAGE OF THE ILVA MINERAL AND FOSSIL PARK
Client: Arcelor Mittal Italia
Weight: 60,000 t
Year: under construction
Project location: Italy

AL BAYT AL KHOR
Client: GSIC JV
Weight: 15,500 t
Year: under construction
Project location: Qatar

PUSKÁS ARÉNA BUDAPEST
Client: KÉSZ Ipari Gyártó Kft.
Weight: 1,870 t
Year: 2018
Project location: Hungary

NEW SAFE CONFINEMENT CHERNOBYL
Client: Novarka (JV Bouygues-Vinci)
Weight: 9,000 t + 1,750 t (piles)
Year: 2015
Project location: Ukraine
MAIN PROJECTS - CIVIL CONSTRUCTION

NATIONAL STADIUM BRASILIA
Client: Entap Engenharia e Construções Ltda
Weight: 2,000 t
Year: 2013
Project location: Brazil

NATIONAL STADIUM WARSAW
Client: Alpine - Hydrobudowa JV
Weight: 9,000 t
Year: 2011
Project location: Poland

ESTELA DE LUZ MEXICO CITY
Client: Euroguarco
Material: Duplex stainless steel S32101
Weight: 1,600 t
Year: 2011
Project location: Mexico

OSTIENSE BRIDGE
Client: Municipality of Rome
Weight: 1,750 t
Year: 2011
Project location: Italy
MAIN PROJECTS - CIVIL CONSTRUCTION

AVIVA STADIUM DUBLIN
Client: Lansdowne Road Development Company
Weight: 3,000 t
Year: 2010
Project location: Ireland

CELTIC GATEWAY BRIDGE
Client: Laing O’Rourke
Material: Duplex stainless steel K2 degree
Weight: 350 t
Year: 2006
Project location: UK

ADNOC NEW CORPORATE HEADQUARTERS
Client: Abu Dhabi National Oil Company
Weight: 2,500 t
Year: 2010
Project location: UAE

OLYMPIC STADIUM ATHENS
Client: JV Aktor/Athena/Themeliodomi
Weight: 10,000 t
Year: 2004
Project location: Greece