



**MARCEGAGLIA
CARBON STEEL
CASALMAGGIORE PLANT**

MARCEGAGLIA GROUP

OUR NUMBERS

MARCEGAGLIA IS A MAJOR PLAYER ON THE INTERNATIONAL STEEL SCENE THAT OFFERS CONSTANT GROWTH AND HIGH-QUALITY PRODUCTS AND PROCESSES, CONTRIBUTING SIGNIFICANT ADDED VALUE TO THE MARKET WHILE MAINTAINING A STRONG FOCUS ON SUSTAINABILITY.

1st ■ PLAYER IN STEEL PROCESSING SECTOR IN THE WORLD

■ PRODUCER OF STAINLESS STEEL WELDED TUBES IN THE WORLD

■ PRODUCER OF CARBON STEEL WELDED TUBES IN EUROPE

■ SERVICE CENTER IN ITALY

6.5

MILLION TONNES OF FINISHED PRODUCT

9.0

BILLION EUROS IN TURNOVER

7,500

EMPLOYEES

36

PLANTS ACROSS 4 CONTINENTS

15,000

CUSTOMERS



FLEXIBLE SOUL

INDEPENDENCE, DYNAMISM, AGILITY, RESPONSIVENESS, RESILIENCE AND SUSTAINABILITY ARE THE KEY ELEMENTS OF MARCEGAGLIA CORPORATE CULTURE:

FACTORS THAT HAVE HELPED MAKE THE COMPANY THE MAIN POINT OF REFERENCE FOR STEEL PROCESSING BOTH IN ITALY AND ABROAD.

MARCEGAGLIA IS ABLE TO SUCCESSFULLY OPERATE, EVEN GIVEN THE MOST DIFFICULT MARKETS AND GEOPOLITICAL CONDITIONS, THANKS TO INDUSTRIAL SYNERGIES, ECONOMIES OF SCALE AND THE DIVERSIFICATION OF PRODUCTION AND SUPPLY.

GROUP CULTURE FOCUSES ON THE ROLE OF PEOPLE AND ON SHARING SPECIFIC VALUES, WHICH HAVE BECOME THE CORNERSTONES OF ITS BUSINESS MODEL.

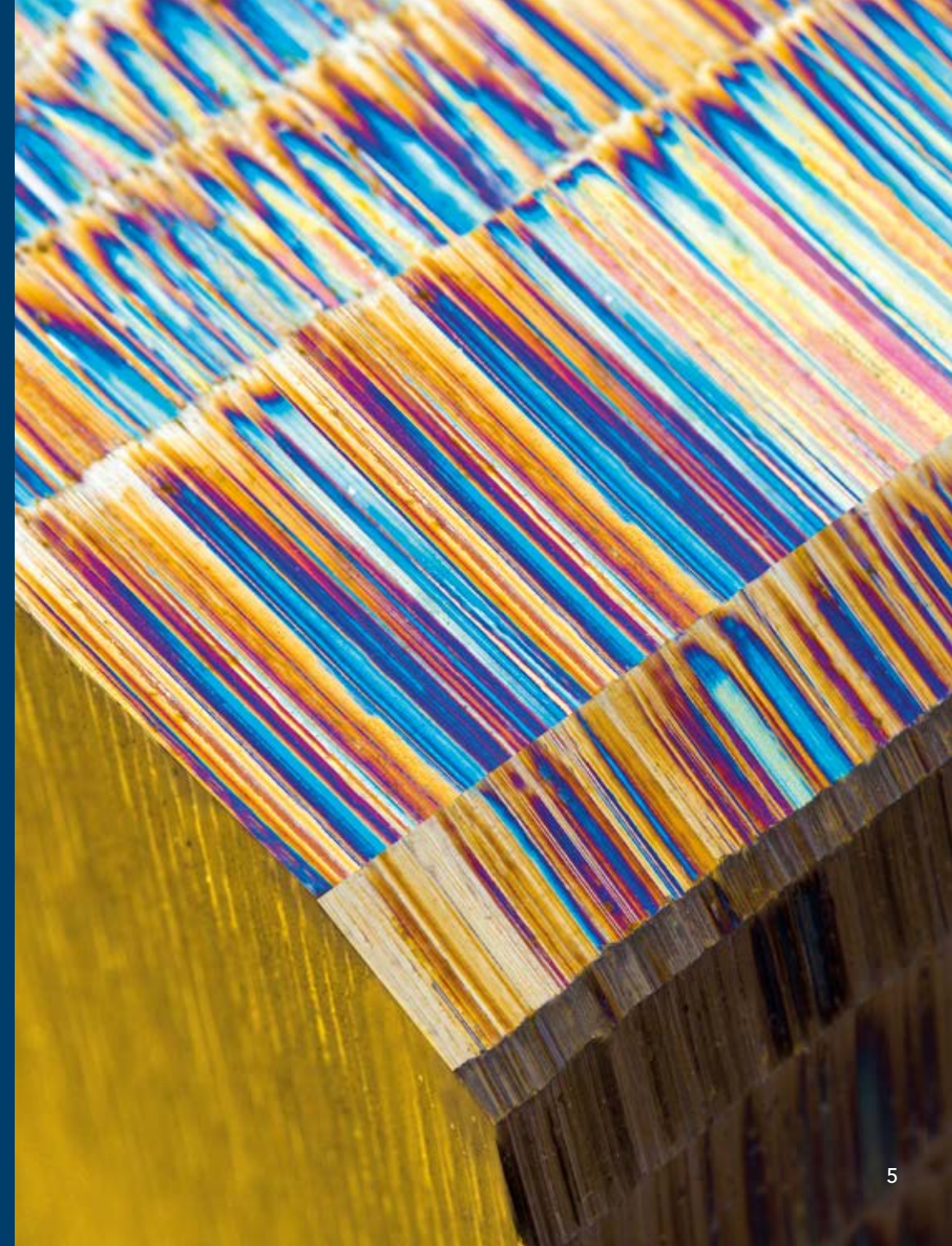


UNIQUE POSITIONING

MARCEGAGLIA IS PRESENT THROUGHOUT THE STEEL VALUE CHAIN, BOTH HORIZONTALLY AND VERTICALLY, THANKS TO ITS UNIQUE STRATEGIC POSITIONING.

THE GROUP IS THE WORLD'S LEADING INDEPENDENT STEEL PROCESSOR WITH A PRODUCT RANGE THAT COVERS EVERYTHING FROM CARBON TO STAINLESS STEEL, FROM LONG TO FLAT PRODUCTS, FROM COMMODITY TO SPECIALTY.

IN JANUARY 2023, THE COMPANY ACQUIRED AN ELECTRIC FURNACE FOR SPECIAL STEEL PRODUCTS IN SHEFFIELD, UK: THIS BEING THE FIRST PRIMARY PRODUCTION ASSET IN THE GROUP'S HISTORY. MARCEGAGLIA HAS INVESTED WITH A VIEW TO SHORTENING AND STABILISING SUPPLY CHAINS AND DEVELOPING AN OFFER OF INCREASINGLY SUSTAINABLE AND COMPETITIVE PRODUCTS.



STEEL, IN ALL SHAPES

CARBON STEEL



CARBON STEEL COILS
PICKLED, COLD ROLLED AND HOT DIP GALVANIZED



CARBON STEEL STRIPS
BLACK, PICKLED, COLD ROLLED AND HOT DIP GALVANIZED



CARBON STEEL SHEETS
BLACK, PICKLED, COLD ROLLED, HOT DIP GALVANIZED, DIAMOND AND TEARDROP PAT-TERNE



PRE-PAINTED COILS



PRE-PAINTED STRIPS AND SHEETS



CARBON STEEL WELDED TUBES



COLD-DRAWN WELDED TUBES



REFRIGERATION TUBES

BUILDING



INSULATED ROOFING AND WALL PANELS



INSULATED PANELS FOR SECTIONAL DOORS



SAFETY BARRIERS



SCAFFOLDING EQUIPMENT

SPECIALTY STEEL



STAINLESS STEEL COILS



STAINLESS STEEL STRIPS



STAINLESS STEEL SHEETS



STAINLESS STEEL WELDED TUBES



CARBON AND STAINLESS STEEL COLD-DRAWN BARS

STAINLESS STEEL FLAT BARS

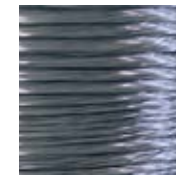
STAINLESS STEEL COLD FORMED SECTIONS



STAINLESS STEEL WIRE RODS

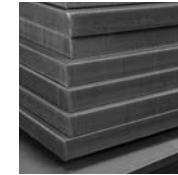


STAINLESS STEEL BARS



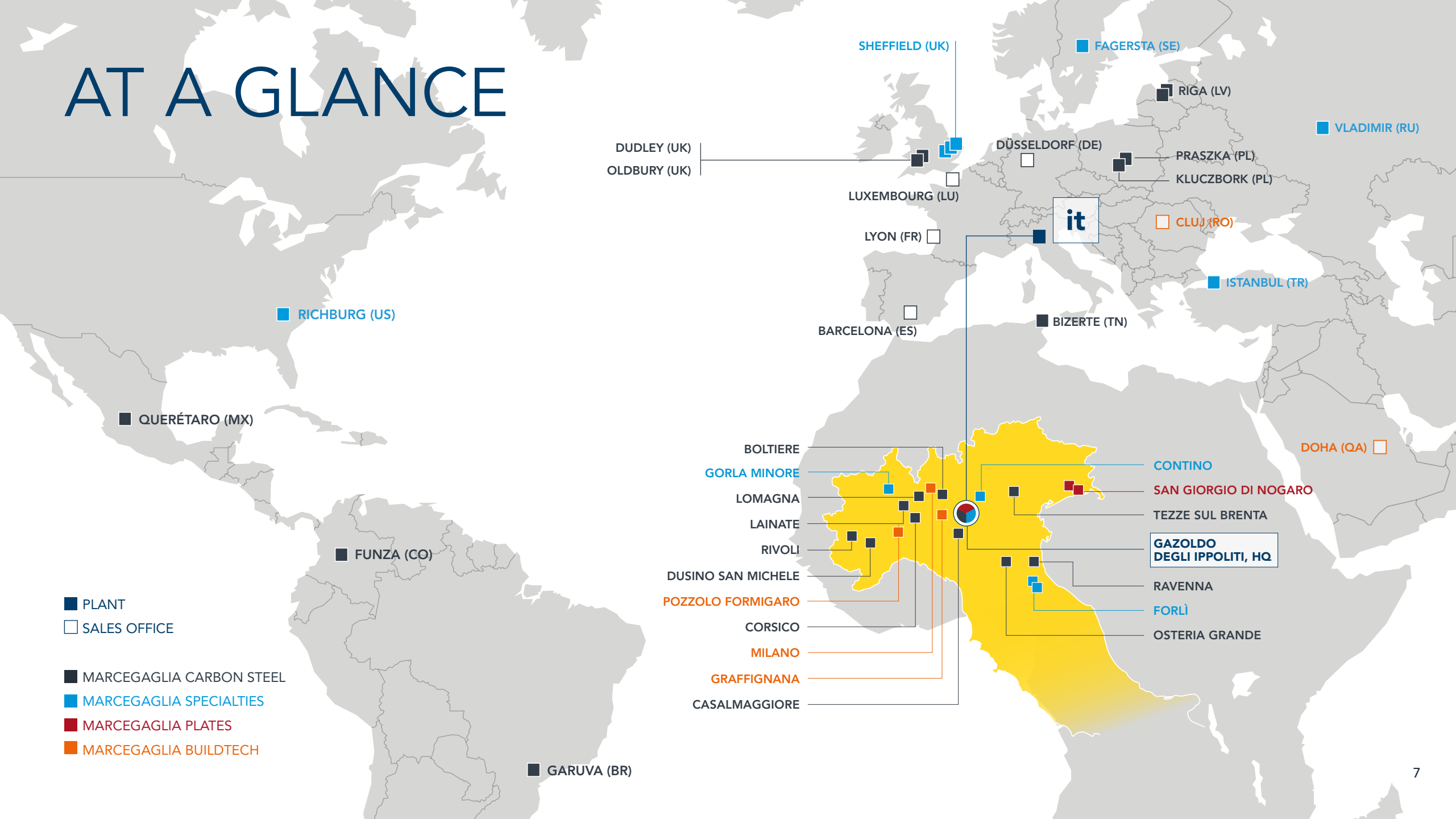
STAINLESS STEEL DRAWN WIRES

HEAVY PLATES

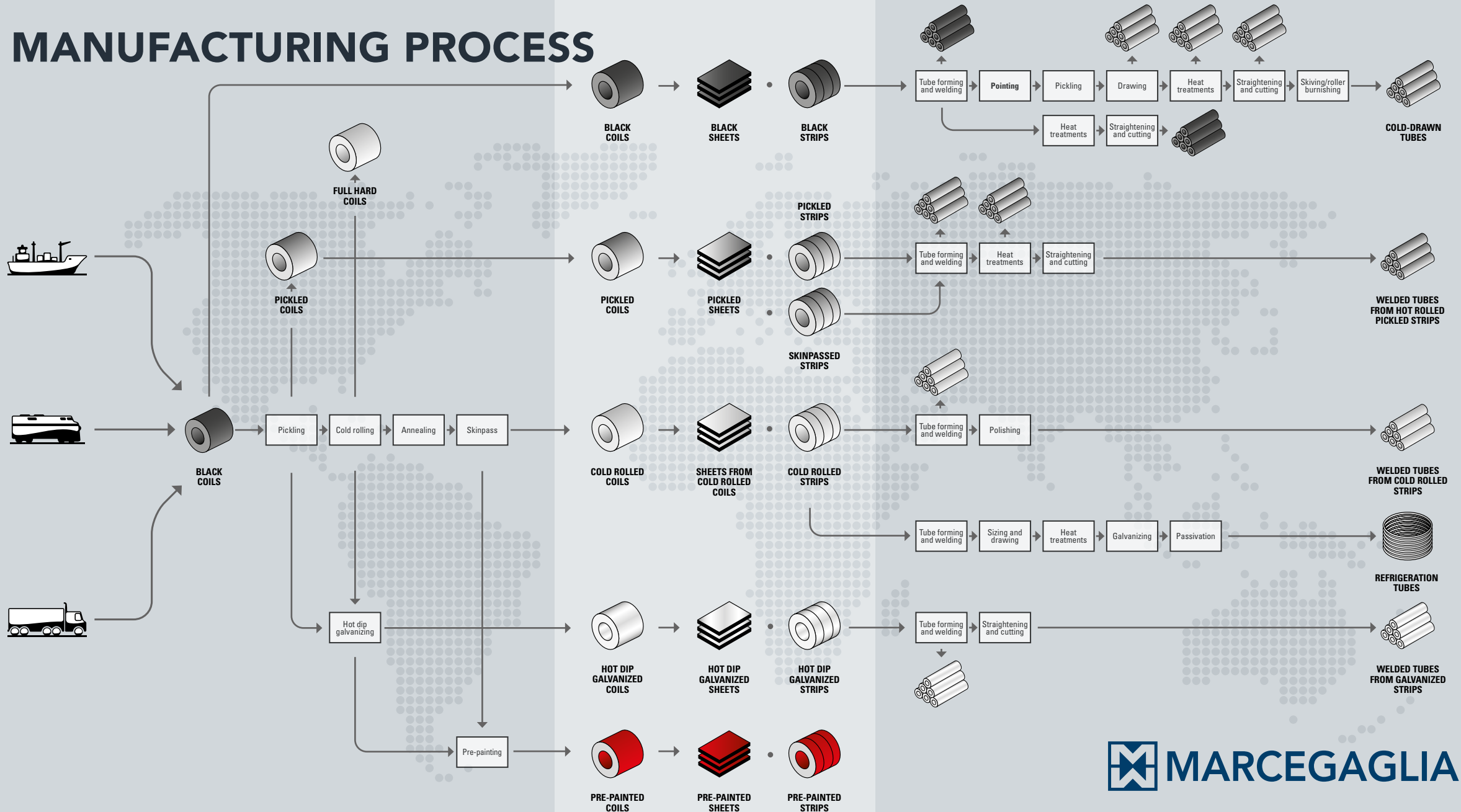


HEAVY PLATES

AT A GLANCE



MANUFACTURING PROCESS



MARCEGAGLIA CASALMAGGIORE

THE PLANT



The Marcegaglia Carbon Steel manufacturing unit of Casalmaggiore (Cremona, Italy) spreads over a total surface of **320,000 square meters**, of which 162,000 covered, currently employing **475 employees**.

The plant is mainly dedicated to the processing of carbon steel hot rolled coils for the production of **welded tubes and hollow sections, round, square, rectangular** and of **special shapes**, with thickness ranging from 1.3 to 16 mm and diameters from 16.75 to 406.4 mm in accordance to current norm requirements as well as to custom specifications.

320,000 SQM
TOTAL SURFACE

162,000 SQM
COVERED SURFACE

475 EMPLOYEES

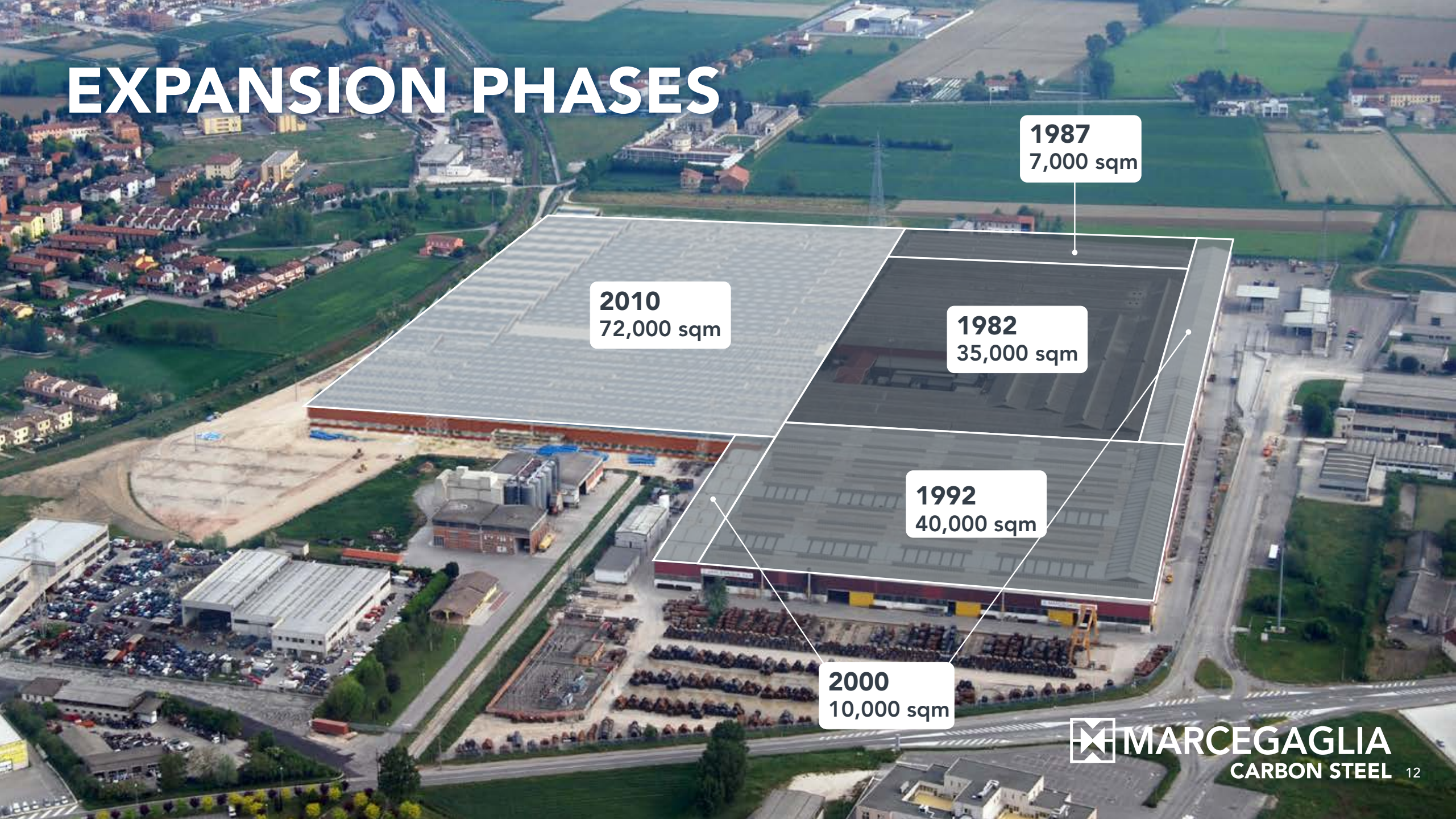
THE PLANT

The production surface and equipment additions were completed in 2011 and have allowed the plant to increase its manufacturing capacity up to over **700,000 tonnes/year**.

Plant equipment includes:

- **5 slitting lines** allowing to process up to **16 mm** thickness coils
- **11 tube mills** up to **406.4 mm** diameter
- **3 normalization furnaces**
- **4 straightening lines**
- **6 tube cutting** units
- new **automated warehouse** spreading over **14 hall aisles**

EXPANSION PHASES



1987
7,000 sqm

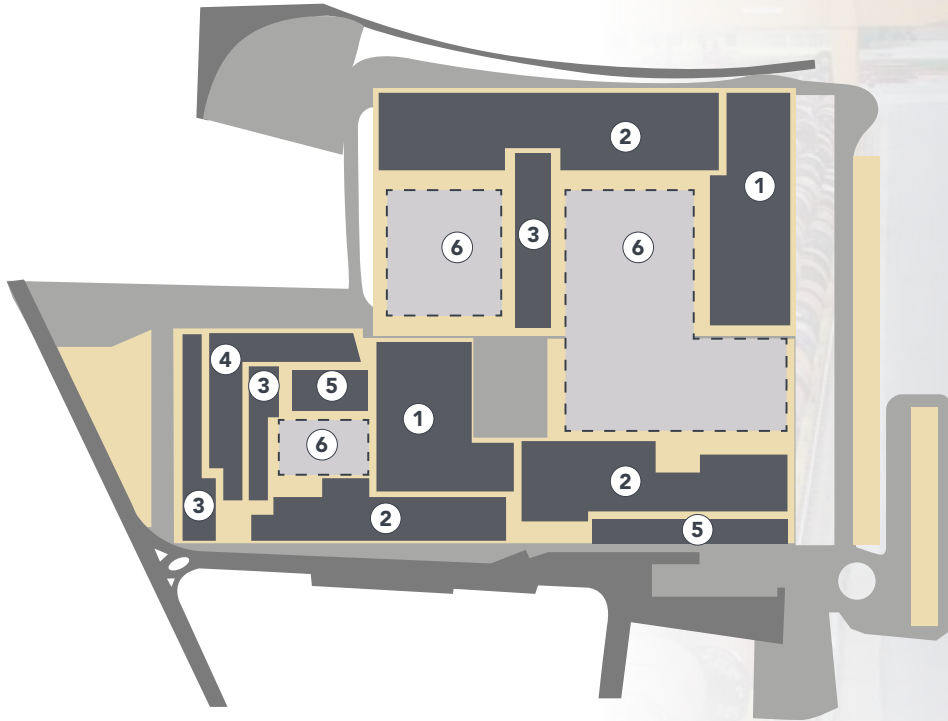
2010
72,000 sqm

1982
35,000 sqm

1992
40,000 sqm

2000
10,000 sqm

PRODUCTION AREAS



① Slitting

④ Straightening

② Tube mills

⑤ Tube cutting

③ Heat treatments

⑥ Warehouse



MARCEGAGLIA

CARBON STEEL 13

MAIN MANUFACTURING STANDARDS

EN 10305-3 Round and shaped precision tubes

EN 10305-5 Square and rectangular precision tubes

EN 10219-1 Cold formed welded structural tubes
(CE homologation)

EN 10210-1 Structural hollow sections,
hot finished or cold formed
and heat treated
(CE homologation)

EN 10217-1 Tubes for pressure purposes,
for use at room temperature

EN 10217-2 Tubes for pressure purposes,
for use at high temperatures

EN 10224 Tubes for the conveyance of
water and other aqueous liquids

EN 10255 Tubes suitable for welding
and threading

API 5CT Pipes for the oil industry
(casing and tubing)

API 5L Pipes for the oil industry
(line pipe)

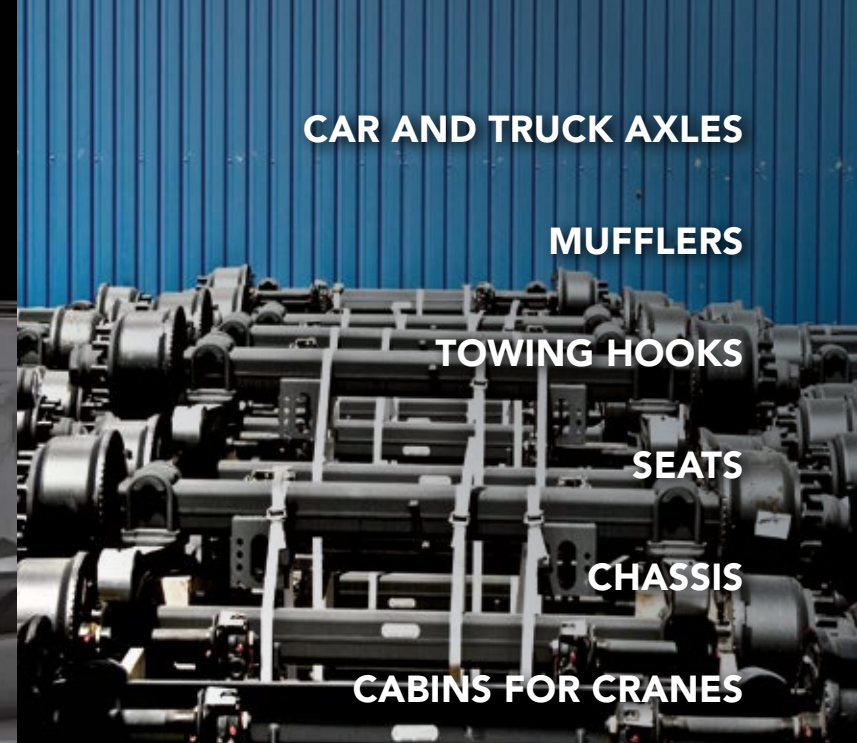
Upon request: supply of grades not included in the above mentioned standards



MARCEGAGLIA

CARBON STEEL 14

TYPICAL APPLICATIONS

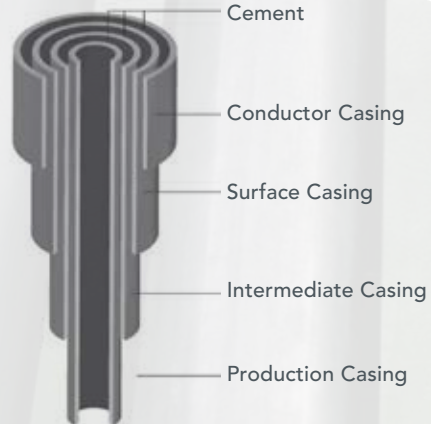


With a dedicated production for the **automotive sector**, Marcegaglia is the supplier of choice for carmakers and OEM - automotive (Original Equipment Manufacturer) of structural parts, components and interior details.



MARCEGAGLIA
CARBON STEEL

TYPICAL APPLICATIONS



Marcegaglia Carbon Steel has developed a unique expertise in the production of carbon steel welded tubes for **drawing, pipelines, pressure vessels** and **mechanical industry**.

- OIL INDUSTRY
- DISTRICT HEATING
- HEAT EXCHANGERS
- BOILERS
- COILS
- PIPELINES
- GENERAL PRESSURE APPLICATIONS
- STRUCTURAL SECTOR
- PILING
- DRAWING TUBES
- GREENHOUSES
- FITNESS
- FIRE-FIGHTING SYSTEMS
- LIFTS
- ROLLER CONVEYORS
- CONCRETE PUMPS
- BENDS AND SLEEVES



MARCEGAGLIA
CARBON STEEL

SLITTING LINES

5 LINES

700,000 manufacturing capacity (t/y)

Product range	mm	inch
Min. coils thickness	1.3	0.051
Max. coils thickness	16	0.629
<hr/>		
Max. coil width	2,000	78.740

TUBE MILLS

11 LINES

700,000 manufacturing capacity (t/y)

Product range	mm	inch
Min. diameter	16.75	0.659
Max. diameter	406.4	16
Min. thickness	1.3	0.051
Max. thickness	16	0.629
Min. length	5,000	16.404
Max. length	16,000	52.493

**ROUND, SQUARE,
RECTANGULAR,
SPECIAL SHAPED TUBES**



MARCEGAGLIA

CARBON STEEL 18

HEAT TREATMENTS

3 FURNACES

Heat treatments:

- normalization
- annealing
- stress relieving

Product range	mm	inch
Min. diameter	16	0.629
Max. diameter	355	13.976
Min. thickness	0.9	0.035
Max. thickness	16	0.629

STRAIGHTENING

4 LINES

80,000 manufacturing capacity (t/y)

Product range	mm	inch
Min. diameter	13	0.511
Max. diameter	219	8.622
Min. thickness	0.9	0.035
Max. thickness	14	0.551

TUBE CUTTING

6 LINES

50,000 manufacturing capacity (t/y)

Product range	mm	inch
Min. diameter	21.25	0.836
Max. diameter	406.4	16
Min. thickness	0.9	0.035
Max. thickness	16	0.629
Min. length	100	0.328
Max. length	12.000	39.370



MARCEGAGLIA
CARBON STEEL

AUTOMATED WAREHOUSE

The image shows a large industrial warehouse with a high ceiling and a complex steel structure. In the foreground, there are several large, dark-colored steel pipes stacked horizontally. In the background, there are several yellow automated cranes (SGM) positioned on a raised platform. One crane has a label that reads "PESO 7,6 t" and "PORTATA MAX 6 t". The cranes are designed for automated storage and retrieval of materials. The overall scene is a modern, automated industrial storage facility.

It allows the automated storage and preparation of bundles to ship, avoiding the operator's access to the loading bays.

The storage area spreads over **14 hall aisles**.

OPTIONAL PROCESSING

Full body normalization
or weld zone normalization
Additional heat treatments
Weld seam removing
Special end finishing
Cut to length
Customer defined marking
Restricted tolerances
Welding position
Specific corrosion protection
Specific packaging method
Suitability for hot dip galvanizing

MAIN TESTING ON THE PRODUCT

PLANT TESTS

Flattening test

Drift expanding test

Eddy current test

Flux leakage test

Ultrasonic test

Visual test

Dimensional test

Plug-in test

Breakage test



MARCEGAGLIA

CARBON STEEL 24

MAIN TESTING ON THE PRODUCT

LABORATORY TESTS

Chemical composition

Tensile test

Impact test

Hardness test

Micrographic analysis

Roughness test



MARCEGAGLIA
CARBON STEEL

CERTIFICATIONS

RINA - ISO 9001:2015

"Quality management systems"

RINA - IATF 16949:2016

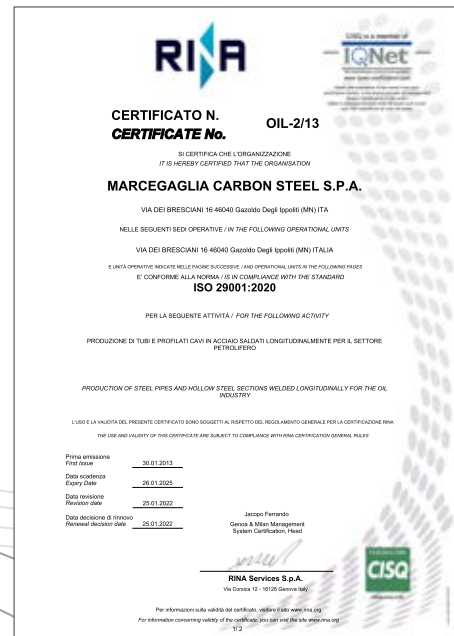
"Quality management systems for automotive"



CERTIFICATIONS

RINA - ISO 29001:2020

“Petroleum, petrochemical and natural gas industries. Sector-specific quality management systems. Requirements for product and service supply organizations”



API - 5CT

PIPES FOR THE OIL INDUSTRY
Quality: **H40/PSL1** and **J55/PSL1**
Specification for “Casing and Tubing”



API - 5L

PIPES FOR THE OIL INDUSTRY
Quality: **X52 - PSL1 - N**
Specification for “Line Pipe”



CERTIFICATIONS

RINA - CE EN 10219-1

Standard grades certified with CE marking:
S235JRH, S275J0H, S275J2H, S355J0H, S355J2H
 Micro-alloyed grades certified with CE marking:
S355MH, S420MH, S460MH

Organismo Notificatore/Notified body N./No. 0474
 RINA Services S.p.A.
 Via Corsica, 12 - 10128 Genova (GE)
 Italy

**CERTIFICATO DI CONFORMITÀ DEL CONTROLLO DELLA PRODUZIONE IN FABBRICA /
 CERTIFICATE OF CONFORMITY OF THE FACTORY PRODUCTION CONTROL**
 N./No. 0474-CPR-0093

In conformità al Regolamento (UE) N. 305/2011 del Parlamento Europeo e del Consiglio del 9 marzo 2011 (Regolamento
 Prodotto da Costruzione o CPR), questo certificato si applica al prodotto da costruzione /
 In compliance with Regulation (EU) No. 305/2011 of the European Parliament and of the Council of 9 March 2011 (the
 Construction Products Regulation or CPR), this certificate applies to the construction product

**Profili a cavità formata a freddo di acciai non legati e a grano fine
 per strutture saldate /
 Cold formed structural hollow sections of non-alloy and fine grain steels**
 come descritto nell'allegato al presente certificato / as described in the annex to this certificate
 immesso sul mercato con il nome o con il marchio di / placed on the market under the name or trade mark of

MARCEGAGLIA CARBON STEEL S.P.A.
Via dei Bresciani, 16 - 46040 Gazoldo degli Ippoliti (MN)
 e fabbricato nello stabilimento di produzione / and produced in the manufacturing plant
S.S. 420 Sabbioneta - Via Vanoni, 25 - 26041 Casalmaggiore (CR)

Il presente certificato attesta che tutte le disposizioni riguardanti la valutazione e la verifica della costanza della prestazione
 descritte nell'Allegato ZA della norma /
 This certificate attests that all provisions concerning the assessment and verification of constancy of performance
 described in Annex ZA of the standard

EN 10219-1:2006
 nell'ambito del sistema 2+ sono applicate e che i under system 2+ are applied and that

**Il controllo della produzione in fabbrica è valutato conforme ai requisiti applicabili /
 the factory production control is assessed to be in conformity
 with the applicable requirements**

Il presente certificato è stato emesso la prima volta il 12/10/2007 (vigente la Direttiva 89/106/CEE) ed ha validità sino a che
 la norma armonizzata, il prodotto da costruzione, i metodi AVCP né le condizioni di produzione nell'impianto sono
 significativamente modificati, a meno che non sia sospeso o ritirato dall'organismo notificatore di certificazione del controllo
 della produzione in fabbrica /
 This certificate was first issued on 12/10/2007 (in accordance with the applicable Directive 89/106/EEC) and will remain
 valid as long as neither the harmonized standard, the construction product, the AVCP methods nor the manufacturing
 conditions in the plant are modified significantly, unless suspended or withdrawn by the notified factory production control
 certification body

Genova, 07/02/2018
 RINA Services S.p.A.
 Il Direttore Tecnico / Technical Manager
 (Ing. Paolo SALZA)

Revisione n. / Revision no.: 7

RINA Services S.p.A.
 C.F.P. Via S. Rocco, 10 - 10128 Genova
 Tel. +39 010 5051111 - Fax +39 010 5051000
 Via Corsica, 12 - 10128 Genova
 Cap. Soc. € 30.000.000,00
 www.rina.org - info@rina.org

RINA - CE EN 10210-1

Standard grades certified with CE marking:
**S235JRH, S275J0H, S275J2H,
 S355J0H, S355J2H**

Organismo Notificatore/Notified body N./No. 0474
 RINA Services S.p.A.
 Via Corsica, 12 - 10128 Genova (GE)
 Italy

**CERTIFICATO DI CONFORMITÀ DEL CONTROLLO DELLA PRODUZIONE IN FABBRICA /
 CERTIFICATE OF CONFORMITY OF THE FACTORY PRODUCTION CONTROL**
 N./No. 0474-CPR-0094

In conformità al Regolamento (UE) N. 305/2011 del Parlamento Europeo e del Consiglio del 9 marzo 2011 (Regolamento
 Prodotto da Costruzione o CPR), questo certificato si applica al prodotto da costruzione /
 In compliance with Regulation (EU) No. 305/2011 of the European Parliament and of the Council of 9 March 2011 (the
 Construction Products Regulation or CPR), this certificate applies to the construction product

**Profili a cavità finiti a caldo di acciai non legati a grano fine per impieghi strutturali /
 Hot finished structural hollow sections of non-alloy and fine grain steels**
 come descritto nell'allegato al presente certificato / as described in the annex to this certificate
 immesso sul mercato con il nome o con il marchio di / placed on the market under the name or trade mark of

MARCEGAGLIA CARBON STEEL S.P.A.
Via dei Bresciani, 16 - 46040 Gazoldo degli Ippoliti (MN)
 e fabbricato nello stabilimento di produzione / and produced in the manufacturing plant
S.S. 420 Sabbioneta - Via Vanoni, 25 - 26041 Casalmaggiore (CR)

Il presente certificato attesta che tutte le disposizioni riguardanti la valutazione e la verifica della costanza della prestazione
 descritte nell'Allegato ZA della norma /
 This certificate attests that all provisions concerning the assessment and verification of constancy of performance
 described in Annex ZA of the standard

EN 10210-1:2006
 nell'ambito del sistema 2+ sono applicate e che i under system 2+ are applied and that

**Il controllo della produzione in fabbrica è valutato conforme ai requisiti applicabili /
 the factory production control is assessed to be in conformity
 with the applicable requirements**

Il presente certificato è stato emesso la prima volta il 29/04/2013 (vigente la Direttiva 89/106/CEE) ed ha validità sino a che
 la norma armonizzata, il prodotto da costruzione, i metodi AVCP né le condizioni di produzione nell'impianto sono
 significativamente modificati, a meno che non sia sospeso o ritirato dall'organismo notificatore di certificazione del controllo
 della produzione in fabbrica /
 This certificate was first issued on 29/04/2013 (in accordance with the applicable Directive 89/106/EEC) and will remain
 valid as long as neither the harmonized standard, the construction product, the AVCP methods nor the manufacturing
 conditions in the plant are modified significantly, unless suspended or withdrawn by the notified factory production control
 certification body

Genova, 07/02/2018
 RINA Services S.p.A.
 Il Direttore Tecnico / Technical Manager
 (Ing. Paolo SALZA)

Revisione n. / Revision no.: 4

RINA Services S.p.A.
 C.F.P. Via S. Rocco, 10 - 10128 Genova
 Tel. +39 010 5051111 - Fax +39 010 5051000
 Via Corsica, 12 - 10128 Genova
 Cap. Soc. € 30.000.000,00
 www.rina.org - info@rina.org

RINA RULES

for the naval sector according to
 RINA Rules – **EN 10219** and **EN 10210**
 for RINA grades **360HA – RINA 540HB**
 – **RINA 450 HD**

RINA CERTIFICATE OF APPROVAL OF MANUFACTURERS OF
 MATERIALS
 No. FAB/2008/0090

This is to certify that the manufacturer of the product identified below is in compliance with the
 applicable requirements of the RINA Rules for the Approval of Manufacturers of Materials.

Description: Welded steel pipes to C - C
 Type: dia from 12.8 to 406.4 mm; thickness from 1.8 to 37 mm
 Manufacturer: MARCEGAGLIA S.P.A. - Via dei Bresciani, 16 - 46040 Gazoldo degli Ippoliti (MN)
 Place of manufacture: 26041 Casalmaggiore (CR)
 Address standard: RINA Rules for the approval of manufacturers of materials

Issued in: Genova on March 19, 2008. This Certificate is valid until: March 19, 2018

Il Direttore Tecnico / Technical Manager
 (Ing. Paolo SALZA)

RINA Services S.p.A.
 C.F.P. Via S. Rocco, 10 - 10128 Genova
 Tel. +39 010 5051111 - Fax +39 010 5051000
 Via Corsica, 12 - 10128 Genova
 Cap. Soc. € 30.000.000,00
 www.rina.org - info@rina.org

CERTIFICATIONS

TÜV - PED - AD 2000 - Merkblatt W0
(2014/68/EU directive) with TÜV Rheinland

Currently the qualification concerns
EN 10217-1/2 standards for P235TR1,
P235TR2, P235GH, P265TR1,
P265TR2 and P265GH grades

This qualification allows Marcegaglia
to supply certificates compliant
with W4 and the PED directive



Annex to Certificate No.: 01 202 170-09 1071

Scope according to EN 10217-1	EN 10217-1	EN 10217-2	EN 10217-1	EN 10217-2	EN 10217-1	EN 10217-2			
1	P235TR1 (S235)	EN 10217-1	-	Water line	1.25	14.5	11	12	EN 10217-1 EN 10217-1
1	P235TR2 (S235)	EN 10217-2	-	Water line	1.25	14.5	11	12	EN 10217-2 EN 10217-2
1	P265TR1 (S265)	EN 10217-1	-	Water line	2.25	16.5	12	14	EN 10217-1 EN 10217-1
1	P265TR2 (S265)	EN 10217-2	-	Water line	2.25	16.5	12	14	EN 10217-2 EN 10217-2

1 Materials according to harmonized European standards (HEN) and European Approval for Materials (EAM) acc. Directive 2014/68/EU

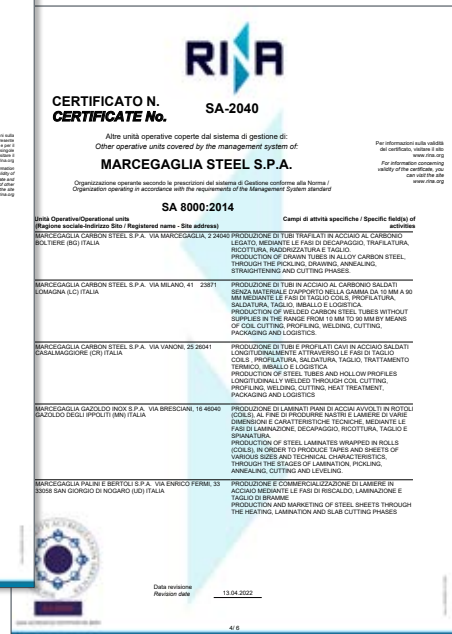
The use of this report according to Annex I (1) (b) of the European Directive 2014/68/EU is limited to the specific conditions stated in the certificate. The manufacturer hereby certifies that the manufacturing process complies with the requirements of the standards listed in the certificate. The manufacturer hereby certifies that the manufacturing process complies with the requirements of the standards listed in the certificate. The manufacturer hereby certifies that the manufacturing process complies with the requirements of the standards listed in the certificate.

Legend:
- (*) = optional
- (*) = optional and approved
- (*) = optional and approved
- (*) = optional and approved
- (*) = optional and approved

CERTIFICATIONS

RINA - SA8000:2014

“Social accountability”



OUR STEEL BRINGS YOUR WORLD TO LIFE

MARCEGAGLIA CASALMAGGIORE

S.S. Sabbionetana, 420 • 26041 Casalmaggiore (Cremona - Italy)

tel. +39 . 0375 282 1 • casalmaggiore@marcegaglia.com

www.marcegaglia.com

 **MARCEGAGLIA**
CARBON STEEL