HEADQUARTER in O Porriño, Spain
CITIC Censa is a heavy steel-works company established in 1965 in the traditional industrial area of Vigo, Northwest of Spain.

EMPLOYEES: 230
EXPORTATION: almost 100 %
<table>
<thead>
<tr>
<th>Offshore Structures</th>
<th>Pressure Vessels</th>
</tr>
</thead>
<tbody>
<tr>
<td>DNV-OS-C401</td>
<td>ASME VIII Div.1</td>
</tr>
<tr>
<td></td>
<td>ASME VIII Div.2</td>
</tr>
<tr>
<td></td>
<td>ASME I</td>
</tr>
<tr>
<td>Steel Structures</td>
<td>EN-13445</td>
</tr>
<tr>
<td>EN-1090-2</td>
<td>AD-Merkblätt</td>
</tr>
<tr>
<td>AWS D1.1</td>
<td>BS-5500</td>
</tr>
<tr>
<td></td>
<td>CODAP</td>
</tr>
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<td>Stoomweze</td>
</tr>
</tbody>
</table>
ENGINEERING AND QUALITY DEPARTMENT

2 International Welding Engineers (IWE’S)

15 Engineers: Mechanical Engineers, Construction Engineers

55 Registered welders certified according to EN 287, ASME IX, AWS D1.1, DNV C401

NDT personnel certified (5 NDT Operators Level II) according to SNT-TC-1A and EN 473, EN-ISO

1 NDT technician Level III

FULLY QUALIFIED AND CERTIFIED INSPECTORS ON-SITE

--TRANSMISSION TO ANY OTHER THIRD PART BY ANY METHOD IS NOT ALLOWED WITHOUT WRITTEN AUTHORIZATION ISSUED BY CITIC-CENSA--
WELDING & NDT

Welding

- SAW, SAW-T, FCAW, SMAW, GTAW
- WPS / PQR according to EN-ISO 15614, ASME IX, AWS D1.1, DNV C401

Non Destructive Testing

- Ultrasonic Testing according to EN-ISO 17640, EN-ISO 11666, ASME V, AWS D1.1
- Magnetic Particles Testing according to EN -ISO 17638, EN-ISO 23278, ASTM E709, ASME V, AWS D1.1
- Penetrant Liquid Testing according to EN 571, EN 1289, ASME V, ASTM E165

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MATERIALS

- Carbon steel: P355NH, P265GH, S355J2+N, SA516 Gr.60, SA516 Gr.70
- Low Alloy Steel: SA387 Gr.11 Cl.1, SA387 Gr.11 Cl.2, SA387 Gr.22 Cl.2, 16Mo3
- Wear resistant steel: Hardox 450, Creusabro 4000
- HSLA steel: 80HLES
- Stainless Steel: SA240 316, SA240 316L, SA240 304
- Duplex: A240 S31803
- Nickel alloys: Inconel, Incoloy, Hastelloy, Monel
- Clad and/or Weld overlay: SA 516 Gr. 60+405, SA516 Gr. 60+410, SA 516 Gr. 70+316, SA516Gr.70+SB-168 Inconel, SA 516 Gr.70+316L, SA 516 Gr.70+304, SA 516 Gr.70+321, SA 516 Gr.70+347, SA516Gr.70+SB171-464
SHOP FLOOR AREA: **40.000 m²** (Total area **70.000 m²**)  

ASSEMBLY BAY DIMENSIONS  
L x W:  
**340 m x 33 m**  
**16 m** UNDER HOOK.  

LIFTING CAPACITY (one piece):  
**400 TONS**
OXICUTTING

CUTTING AND BEVELING

2 CNC OXYCUTTING MACHINES
350 MM-14” MAX. THICKNESS

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DRILLING AND BEVELING MACHINING

MAX. MACHINING DIMENSIONS:
30 m L x 4 m W
MAX. DRILLING THICKNESS:
250 mm
CNC MILLING AND DRILLING MACHINE.

1 CNC DRILLING MACHINE
MAX. DRILLING DIMENSIONS:
13 m L x 3 m W
MAX. DRILLING THICKNESS:
150 mm

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ROLLING CAPACITY

Vertical Rolling Machine

POWER: 2.000 Tons
MATERIAL ASTM: SA36
MATERIAL EN: S275

<table>
<thead>
<tr>
<th>THICKNESS</th>
<th>WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>180 mm</td>
<td>1.000 mm</td>
</tr>
<tr>
<td>120 mm</td>
<td>3.000 mm</td>
</tr>
</tbody>
</table>

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ROLLING CAPACITY

Horizontal Rolling Machine

POWER: 1,000 Tons
MATERIAL ASTM: SA36
MATERIAL EN: S275

<table>
<thead>
<tr>
<th>THICKNESS / WIDTH</th>
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<th>WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>180 mm</td>
<td>1,000 mm</td>
</tr>
<tr>
<td></td>
<td>80 mm</td>
<td>3,200 mm</td>
</tr>
</tbody>
</table>

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BENDING CAPACITY

1300 Tons BENDING FORCE

SECTION BENDING CAPACITY:

440 X 370 mm

CAPACITY TO BEND HEB 1000 IN THE MAXIMUM INERTIA SECTION

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ASSEMBLY AND WELDING CAPACITY

WELDING DIAMETER
16m

8 WELDING COLUMNS (TANDEM WELDING):
DIMENSIONS 7 m x 5 m

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MACHINING: VBM (Vertical Lathes)

MAX. MACHINING DIAMETER: **20 m**
MAX. MACHINING HEIGHT: **8,6 m**
ROTARY TABLE MAX. LOAD: **400 Tons**

MAX. MACHINING DIAMETER: **13 m**
MAX. MACHINING HEIGHT: **7 m**
ROTARY TABLE MAX. LOAD: **300 Tons**
MACHINING: HBM (Boring Machines)

MACHINING DIMENSIONS 21 m X 7 m
WITH A ROTARY TABLE 100 TONS

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MACHINING: Horizontal Lathe

MAX. MACHINING DIMENSIONS

Ø7,9 m x 18 m length
Ø8,6 m x 5,2 m length
MAX. LOAD: 150 Tons

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SHOTBLASTING AND PAINTING BAY

DIMENSIONS:

22 m X 12 m X 12 m

CONTROLLED HEATING TEMPERATURE
HEAT TREATMENT OVEN (GAS)

DIMENSIONS: 22 m X 12 m X 12 m

MAX. WEIGHT CAPACITY: 250 Tons
OFFSHORE PRODUCTS: PILE SLEEVES

PILE SLEEVE 102”

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OFFSHORE PRODUCTS: PILE SLEEVES

PILE SLEEVE 6.5 M

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OFFSHORE PRODUCTS: HAMMER HOUSING

HAMMER HOUSING

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OFFSHORE PRODUCTS: SUCTION PILES

SUCTION PILES Ø 9m X 9m height

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MINING PRODUCTS

SM Ø40’x 25’ (6x120°) 326 Tons

BM Ø26’x42’ (3x360°) 276 Tons

TYRE SECTION Ø6,8m x 3 m (1x360°) 74 Tons

MS Ø5,5mx 12,6 m (1x360°) 122Tons

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MINING PRODUCTS

SM Ø40’x 25’ (6x120º) 326 Tons

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MINING PRODUCTS

BM Ø26’x 42’ (3x360°) 122 Tons
BALL MILL MANUFACTURING CAPABILITY: 22 – 24 cans/year

SAG MILL MANUFACTURING CAPABILITY: 12 -14 cans/year

OVERALL LABOR HOURS CAPABILITY: 350,000 h/year
TUNNEL BORING MACHINES

FRONTAL SHIELD

--TRANSMISSION TO ANY OTHER THIRD PARTY BY ANY METHOD IS NOT ALLOWED WITHOUT WRITTEN AUTHORIZATION ISSUED BY CITIC-CENSA--
CEMENT PRODUCTS

MS Ø4.600 x 17.110 mm (1x360°) 136 Tons

UM Ø3,2m x 10,2m (1x360°) 70 Tons + TRUNNION

MS Ø4,6mx 16 m (1x360°) 112 Tons

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CEMENT PRODUCTS

UMS Ø4.200 x 19.300 mm (1x360º) 154 Tons

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PETROCHEMICAL AND OIL & GAS PRODUCTS: SPHERES, TANKS...

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OTHER PRODUCTS: PULP & PAPER
OTHER PRODUCTS: NUCLEAR

BORING OF NUCLEAR VESSELS (TOLERANCES +/- 0,5 MM)
OTHER PRODUCTS: STEEL CONVERTERS

VESSEL AND TRUNNION RING

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OTHER PRODUCTS: SPECIAL FLANGES

MACHINED FLANGES

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OTHER PRODUCTS: NAVAL AND DEFENCE SECTORS

BOOM CRANE

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OTHER PRODUCTS: NAVAL AND DEFENCE SECTORS

TUNNEL THRUSTER

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THANK YOU FOR YOUR ATTENTION

www.citic-censa.com
Please, send us your questions to proposal@citic-censa.com