JANSA METAL

SPECIALISTS IN STEEL AND COMPOSITE STRUCTURES

CATALOG



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1.INTRODUCTION

JANSA METAL

Headquartered in La Roca del Vallès (Barcelona), JANSA was founded in 1986 by Josep Juanola Malirach, marking 35 years of history.

Our main facility is strategically located at the North Access entrance to "La Roca Village", covering a total area of 13,500 m², which includes offices, workshops, and a material storage yard.

Our core business revolves around the design, structural analysis, and BIM monitoring using Tekla, as well as the manufacturing of components that facilitate the rapid and efficient construction of buildings. We specialize in the fabrication of all types of metal structures, along with various metallic components for the industrial sector.



INDUSTRY DESCRIPTION

TECHNICAL SPECIFICATIONS AND MANUFACTURING CAPACITY

Our factory is designed for a production capacity of up to 900 tons per month, operating in three 8-hour shifts (3x8h). The current average production is 380 tons per month, operating in two 8-hour shifts (2x8h).

- Structural Analysis and 3D Calculation: Utilizing Diamonds and IDEA software.
- Manufacturing Project and Documentation Development: Managed through TEKLA software.
- Nesting, Organization, Input, Processing, and CAD-CAM Process Selection: Conducted using Lantek software.

PRODUCTION FACILITIES

- Covered production area: 6,000 m², with an additional 6,000 m² material storage yard capable of holding up to 1,000 tons.
- Material handling: Equipped with 8-ton overhead cranes.
- Weighing and load control: Truck weighing scales with printed weight tickets.



PRE-FABRICATION PROFILE TREATMENT

- Shot blasting and automatic shop primer application: Zinc silicate automatic in-line system (GIETART).
- Profile painting: Capable of applying up to 150 microns in a single coat on profiles up to 1.5 meters wide.

CUTTING AND DRILLING OPERATIONS

- Lincoln PythonX: Robotic CNC plasma cutting and drilling of structural steel.
- Laser M350 TLOADER: Automatic CNC laser cutting for tubes and secondary profiles.

SHEET METAL SUPPLY AND PROCESSING

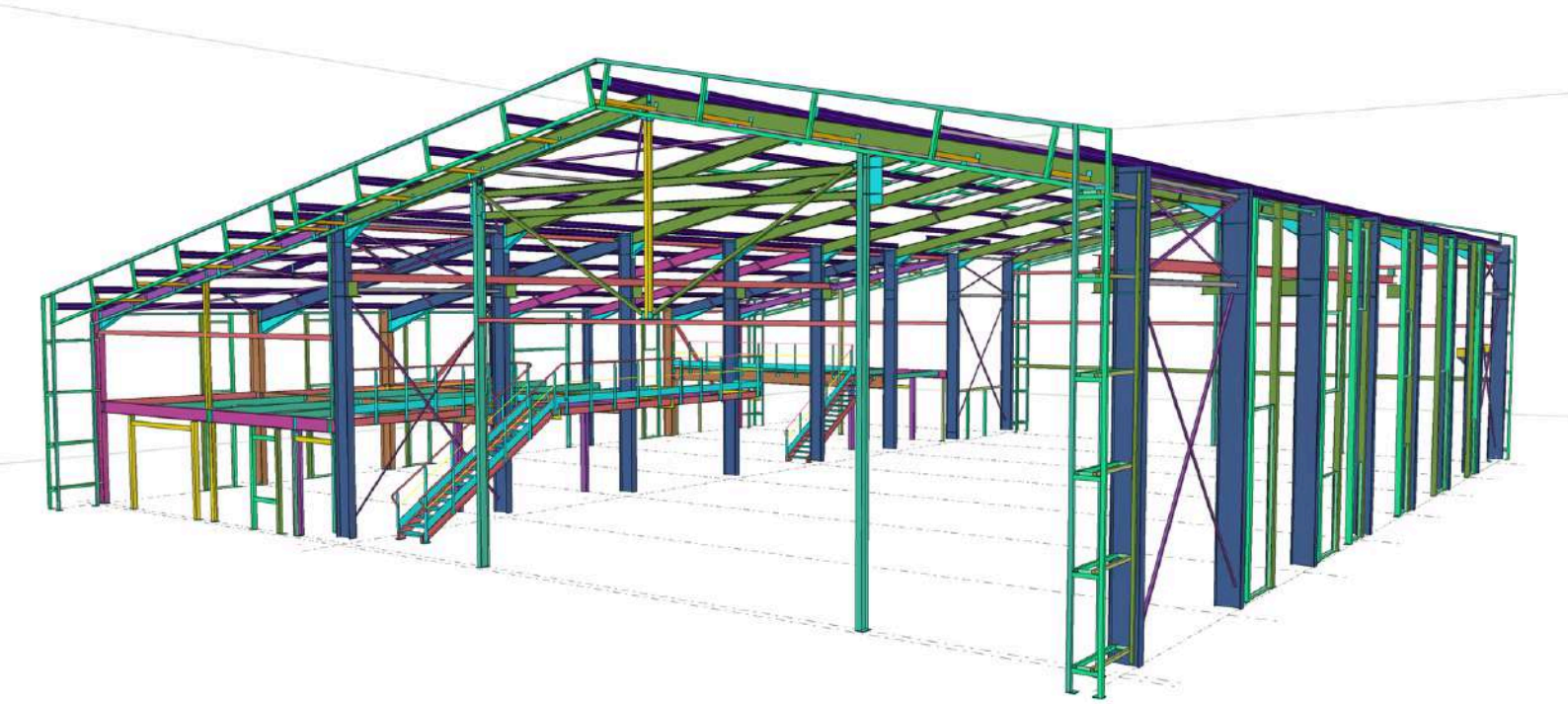
- Outsourced sheet metal supply: Just-in-time delivery system managed through 10 plasma and laser cutting suppliers.





AUTOMATED MANUFACTURING LINE

- LINCOLN JUWELD Automated Line for Welded Built-Up Profiles ("PRS")
  - Continuous TwinArc welding on both sides.
  - Production capacity: 350 linear meters per day.
  - Maximum profile length: 30 meters.
  - Maximum profile width: 1.5 meters.
- AUTOMATIC SUBMERGED ARCWELDING GANTRY 2Sides joint tracking heads – LINCOLN JUMO
  - Wire size: 3.2 mm on both sides.
  - Maximum width: 2.7 meters. Maximum height 1 m
  - Maximum length: 30 meters.
- MIG Welding Stations
  - 2 LINCOLN HYPERFILL TwinArc welding
  - 5 LINCOLN POWERTEC 420
  - 3 MIG MILLER 500
- Handling and Logistics
  - Loading and unloading capacity: 100 tons per hour.
- HORIZONTAL PRESS HYDROGARNE300 Conter-arrow, bending or straightening. 300tons up tu HEM700
  - Maximum length: 30 meters.
  - Maximum weight capacity: 20 tons.



INDUSTRIAL PRODUCTION CAPACITY

- Average production: 380 tons per month, operating in two shifts of 8 workers per shift.
- Maximum production capacity: 1,000 tons per month, operating in three shifts of 10 workers per shift.

ENGINEERING DEVELOPMENT

- Specialized in automated manufacturing of steel profiles for metal and composite buildings.

2.FACILITIES & EQUIPMENT



Building Structure

- Constructed using the latest variable-section technology, supported by a 17-meter deep articulated pile foundation.
- Reinforced 30 cm thick slab flooring, with a load capacity of 35 tons per square meter (35 Tm/m²).

Dimensions

- Maximum interior height: 11 meters.
- Minimum interior height: 9 meters.
- Total width: 56 meters.
- Lateral pavilions: 20.6 meters each.
- Central pavilion: 14.8 meters.

Industrial Installations

- Electrical system:
  - Installed power: 300 KVA.
  - Dedicated transformation center: 500 KVA.
- Gas and compressed air infrastructure:
  - Gas supply.
  - Oxygen and welding gas mixture distribution.
  - Compressed air system.

Logistics & Loading Infrastructure

- Covered loading dock with capacity for four loading platforms.



EQUIPMENT LIST

- Automated Shot Blasting and Painting Line – Gietart 1500x500
- Plasma Cutting and Drilling Robot Line – Pgyton X
- Cuts up to HEM 200 profiles
- Maximum length: 22 meters
- Laser Cutting and Drilling Line
- Maximum length: 12 meters
- Cuts profiles up to 350x350 mm
- Automated Assembly and Welding Line – JUWELD-Lincoln Twin Arc
- For beams up to 1500x1500 mm
- Maximum length: 20 meters
- Submerged Arc Welding Line – JUMO with 2 Lincoln DC1000
- For beams up to 2500x1000 mm
- Maximum length: 20 meters
- Horizontal Press – 300 tons
- Köko Connector Placement Machine – Nelson Stud Welding
- 10 MIG Welding Machines – Lincoln

3. PRODUCTION







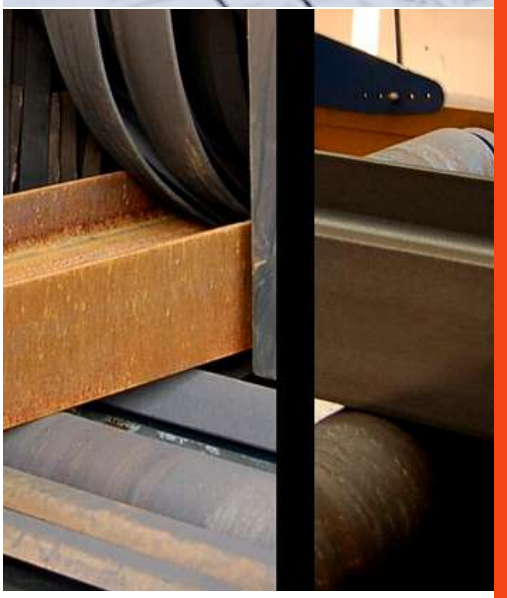




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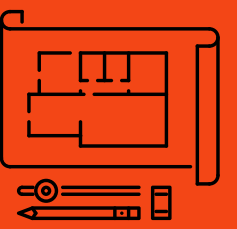






4. SERVICES

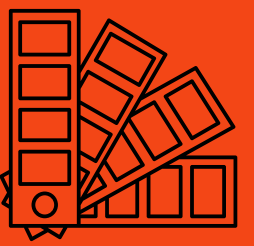
ENGINEERING



SHOT BLASTING



PAINTING



TECHNICAL OFFICE
Over 30 years of experience in all types of projects.

SHOT BLASTING
Essential for optimal paint system adhesion.

STATE-OF-THE-ART PAINTING SYSTEMS

- **JANSCOAT**: Surface shot blasting and immediate application of zinc silicate shop primer using the GIETART automatic painting line.
- **JANSLAC:** High-quality painting service designed to withstand extreme weather conditions.
- **JANSFIRE:** Intumescent coatings for fire protection.

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5. PRODUCTS



We offer a range of solutions to create **architecture tailored to your needs**. Our i**nnovative projects are unique**, designed by JANSA METAL to ensure that each project **meets all its objectives**.

JANSPAN



Designed for the **construction of warehouses and storage facilities with variable inertia**, the Janspan system offers the **key advantages of steel construction**, enabling the fast-track delivery of warehouses and buildings. It is the **ideal solution for steel structure construction.**

2020







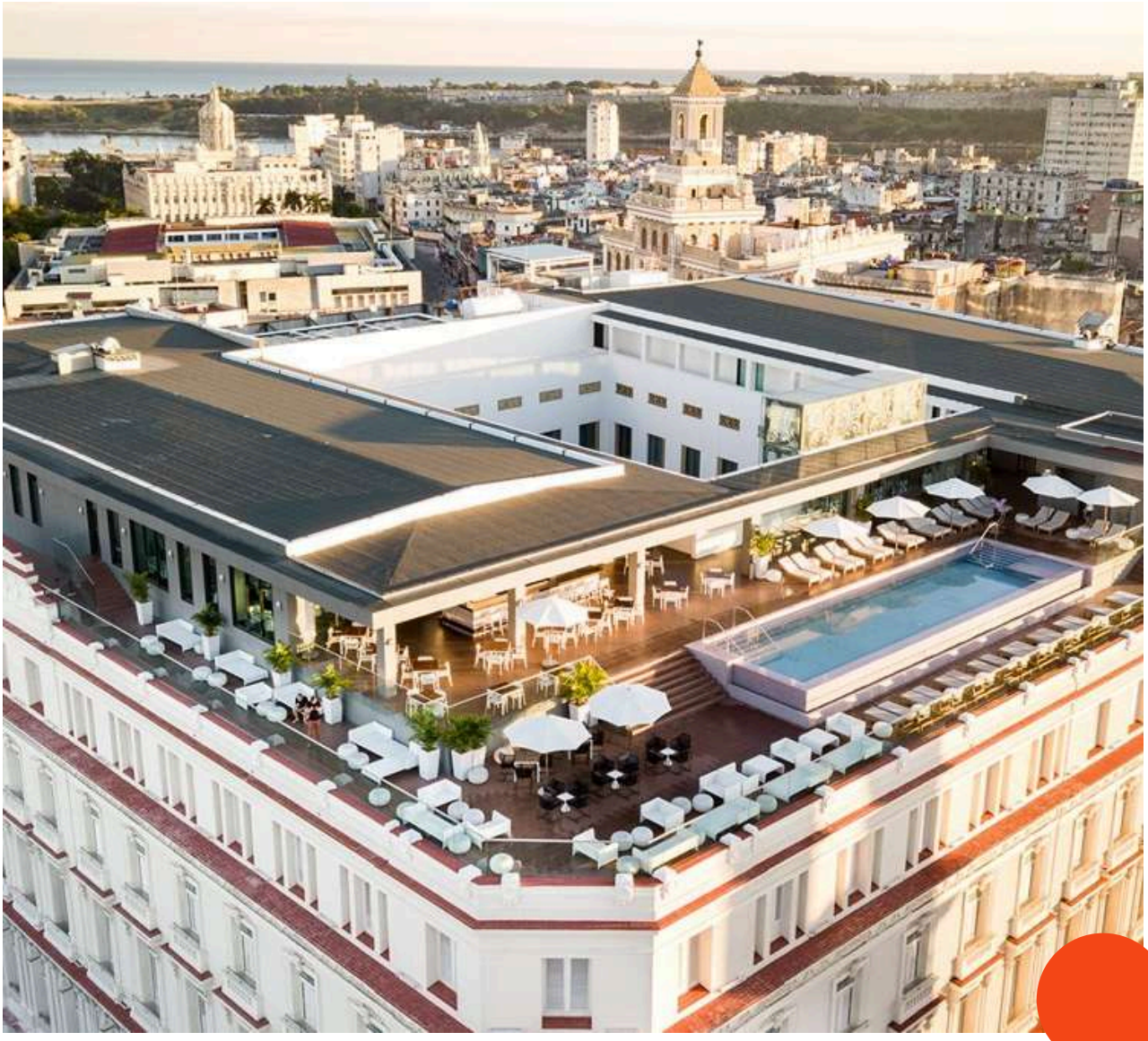
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JANSBUILD



It allows the construction of **two floors or 600 m² per week**, delivering a building with quality, precision, and functional and aesthetic solutions.

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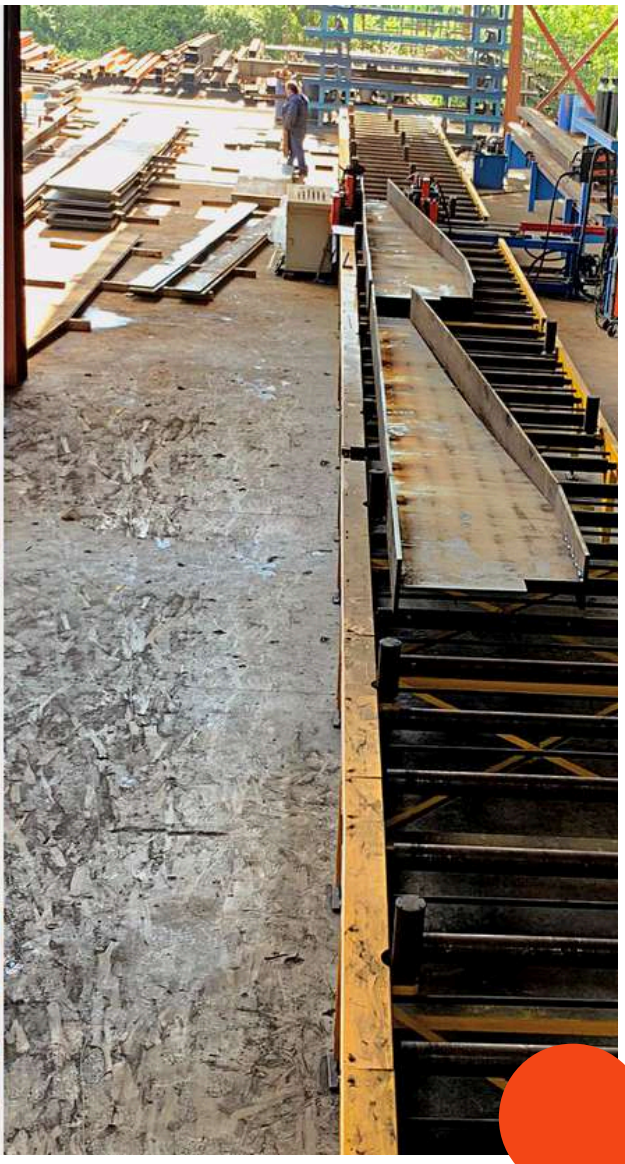


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JANSBEAM PRS







It offers a **full range of custom profiles**, which are lighter than traditional ones.

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CUSTOMIZED BEAMS

Freedom in Size and Shape

Jansbeam provides custom-made beams with welded plates using the automatic SawTwinArc welding process. We manufacture beams of any section and shape, with a maximum depth of 3 meters and a single-piece length of up to 30 meters.

Key Advantages

- Longer spans and higher load capacity with fewer columns.
- Weight savings in structures.
- Fast delivery times.
- Precision-machined beams for direct assembly.
- Bolted beam connections.
- Total freedom in size and shape for construction flexibility.



JANSTIL



It can be used to **shape any unconventional project,** creating open buildings with unobstructed floor spaces.

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UNIQUE ARCHITECTURE

A new era of steel architecture for buildings and facades with a strong aesthetic appeal, utilizing both constant and variable section profiles, fully adaptable to the most complex architectural projects.

Key Advantages

- 3D structural solutions for unique and innovative architecture.
- Unlimited range of custom profiles, leveraging the most advanced technologies.
- Simple and ultra-fast construction, with structures that accommodate even the most complex designs.
- Creation of spectacular, column-free spaces, ensuring maximum comfort and extraordinary natural light entry.



JANSHOUSE



Custom Homes – Freedom of design, fast and **cost-effective structures.**

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CUSTOM-BUILT HOMES

An Efficient, Innovative, and Cost-Effective Structure

As one of the most advanced companies in industrial building construction, prefabricated buildings, and component supply, Jansa Metal offers the possibility of manufacturing custom homes with total design freedom, bringing innovation to the construction sector.

We build tailor-made homes, fully adapting to the project and client needs, completing them in less than half the usual time while achieving up to 10% cost savings on the total value.





PARKING SOLUTIONS

Prefabricated canopies for vehicle parking and outdoor storage.

SOLAR PARKING

Prefabricated **parking canopies** designed to support **photovoltaic solar panels**, enabling efficient energy generation while providing vehicle protection.



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MOBILE RAMPS

A New Development with CE Certification

- Mobile ramp designed for loading and unloading trucks and containers.
- Adjustable height to match the platform level.
- Double-reinforced structure for extended durability.
- Safety side protections, anchoring points, and anti-slip galvanized grating surface.
- Can be fixed to the ground or fully mobile, allowing relocation to any required loading point.

Would you like to request a quote for purchasing a mobile ramp?



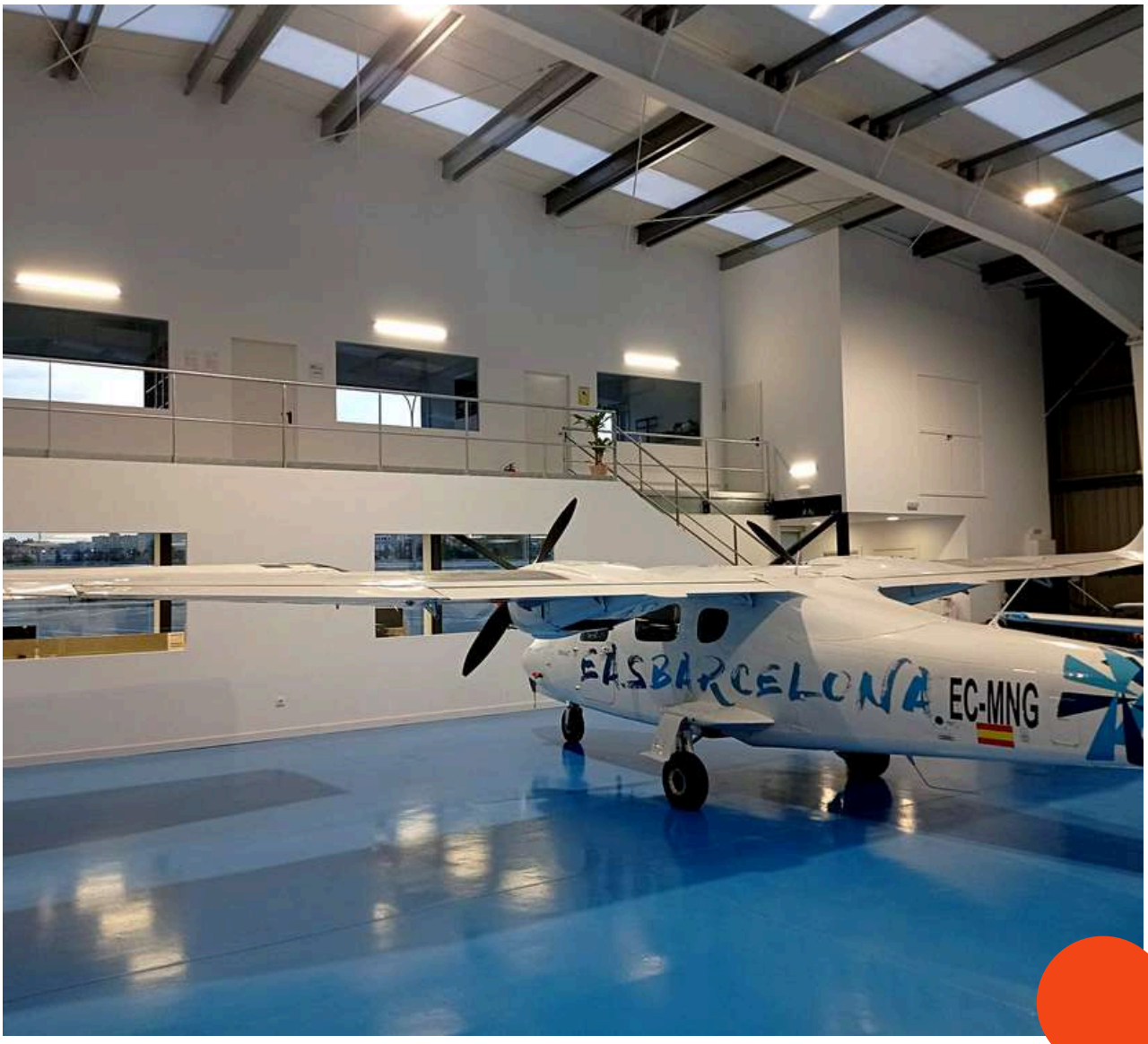






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MEZZANINE PLATFORMS



Custom-designed mezzanine platforms to optimize **space utilization,** creating additional **usable areas** for storage, offices, or production zones within existing structures.

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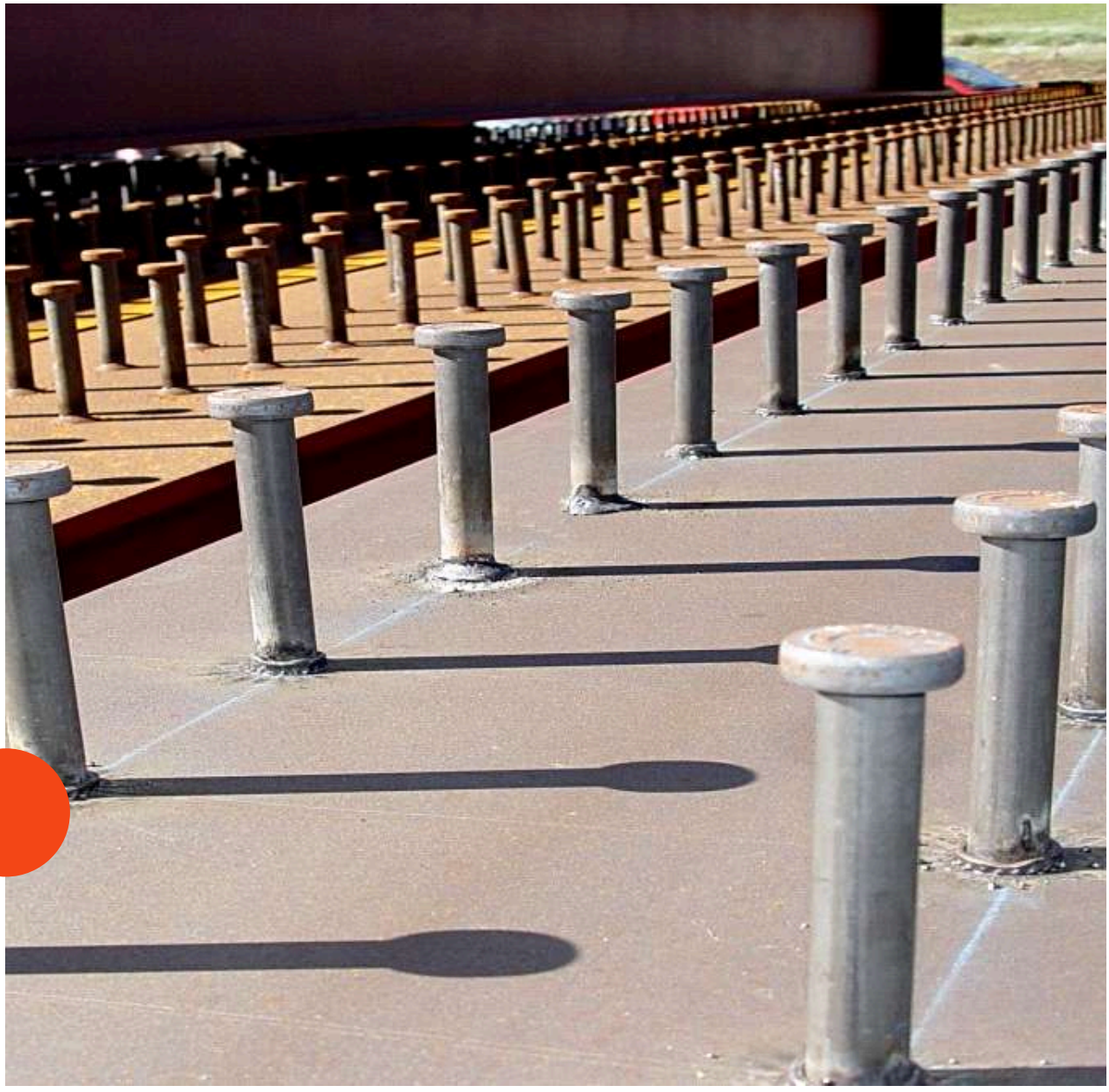
Building mezzanines is the easiest and most cost-effective way to gain additional space.

Make the most of the volume of your workshop, warehouse, business, or home by adding an extra section, allowing you to meet new space requirements within existing buildings.

We handle the entire structure, including access stairs and railings, ensuring a complete, safe, and functional solution.



NELSON CONNECTORS



Steel-Concrete Composite Connection
A fast and cost-effective solution for enhancing structural performance through composite steel-concrete connections.

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6. CERTIFICATIONS

EN1090 EXECUTION CLASS 3 CERTIFICATION

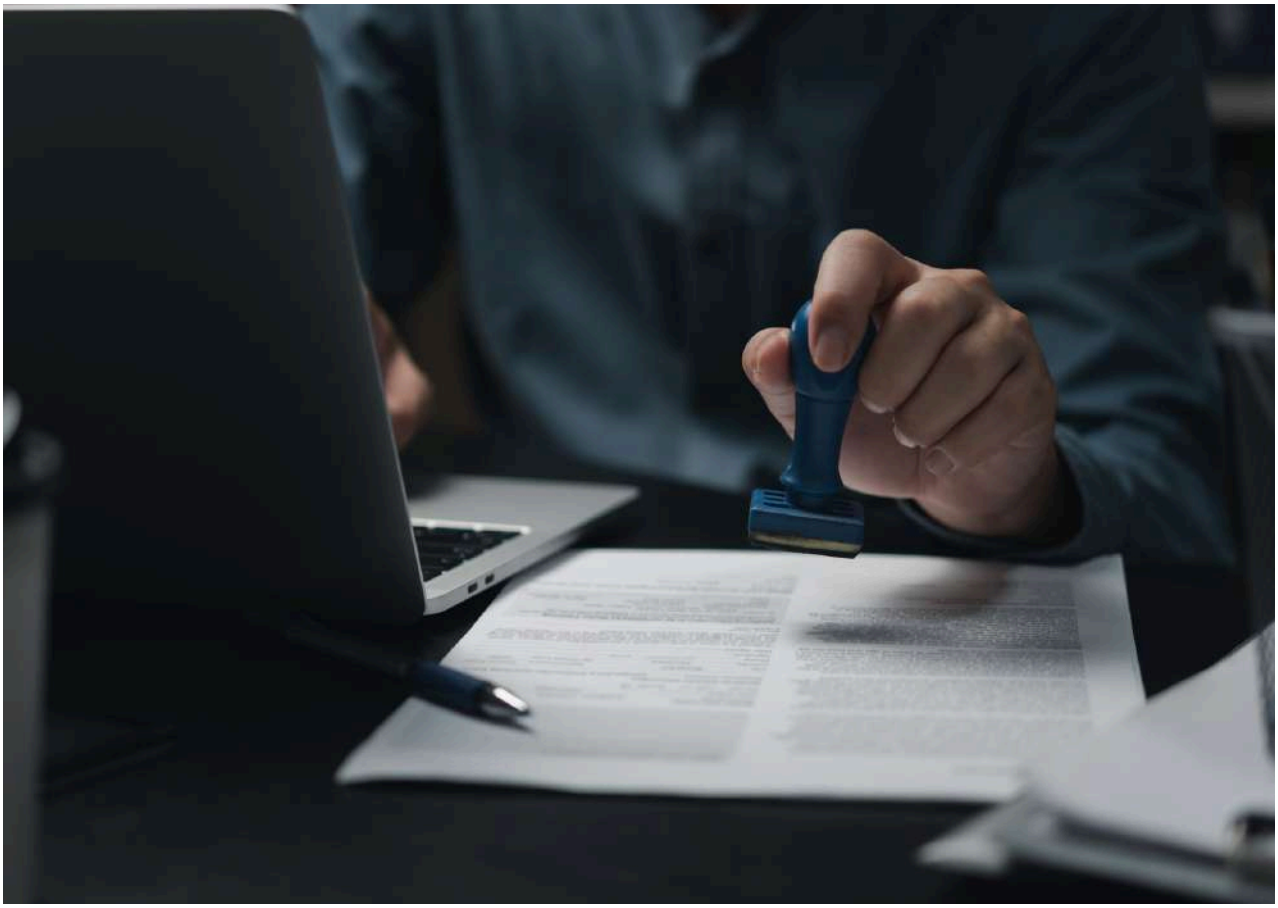
We are highly qualified professionals, committed to delivering the most suitable solutions for every type of construction. Our work is certified under EN1090 Execution Class 3, ensuring compliance with CE marking standards.

ISO 9001 QUALITY CERTIFICATION

We obtained ISO 9001 certification in 1985, marking 38 years of providing the highest level of quality assurance to our clients.

EEspecially necessary for metal constructions used in public spaces, applicable to all types of buildings and infrastructures in Spain, Europe, and South America.

Outside our area, we carry out the entire process from the beginning and supply custom-made "ready-to-assemble" steel structures for workshops and construction companies, as well as for engineering firms, architectural studios, and even private clients.



Lloyd's Register

CERTIFICAT DE CONFORMITE DE CONTROLE DE LA PRODUCTION EN USINE

Ce certificat est émis à :

Fabricant : **JANSA METAL, S.A.**
Pol. Ind. Can Massagué, parcelas 8 a, b, c
08430 La Roca del Vallés, Barcelona

En conformité avec le Règlement 305/2011/UE du parlement et du conseil Européen du 9 Mars 2011(Reglement Produit de Construction ou RPC), ce certificat s'applique au produit de construction suivant :

Conception et Construction Composantes de charpente métallique

Ce certificat atteste que toutes les dispositions concernant l'évaluation et la vérification de la constance des performances, ainsi que les performances décrites dans l'annexe ZA du(des) standard(s)

EN 1090-1:2009 + A1:2011 Construction de structures en acier et de structures en aluminium – Partie 1: Exigences pour l'évalı structurels

Sous le système 2+ sont appliquées, et que le prc ci-dessus.
L'annexe jointe, à la même date, décrit le(s) lieu(x) ainsi que les paramètres du produit, et fait partie ir
Ce certificat reste valide, aussi longtemps que l contrôle de production en usine inclues dans la r performance des caractéristiques déclarées, ne ch conditions de fabrication en usine ne sont pas moc

Certificat No:	0038/CPR/MAD
Approbation Initiale:	20 Janvier 2016
Certificat en Cours:	20 Janvier 2019
Date d'Expiration:	19 Janvier 2022

Numéro d'Organisme Notifié LRV 0038

Teresa Souto Responsab

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Lloyd's Register

CERTIFICAT DE CONFORMITE DE CONTROLE DE LA PRODUCTION EN USINE No : 0038/CPR/MAD/20150116 ANNEXE

Fabricant : **JANSA METAL, S.A.**
Pol. Ind. Can Massagué, parcelas 8 a, b, c
08430 La Roca del Vallés, Barcelona

Scope
Conception et fabrication de structures métalliques par soudage et fixation mécanique

Standard
EN 1090-1:2009+A1:2011
EN 1090-2:2008+A1:2011

EXC3

Groupe parent de matériaux (ISO/TR 15608)
Groupes: 1
Matériaux: Acier au carbone
Epaisseur: 3 – 60 mm

Procédés de soudage et alliages (ISO 4063)
135 et 121

Responsable coordinateur soudage
Oscar Ruiz

Qualification
Niveau C « Comprehensive »
Qualifié par entretien et basé sur l'expérience

Méthode de marquage CE : 3a, 2, 3b

Révision de l'annexe : 02

Date d'émission de l'annexe: 20 Janvier 2019

Numéro d'Organisme Notifié 0038

Lloyd's Register Verification Limited

Teresa Souto Responsable technique LRE pour Lloyd's Register Verification

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Certificado de Aprobación

Concedido a

JANSA METAL, S.A.

BARCELONA

ESPAÑA

Bureau Veritas Quality International certifica que el Sistema de Gestión de la Calidad de dicho suministrador ha sido auditado y encontrado conforme con las exigencias de las normas:

ISO 9001:1994

EL SISTEMA DE GESTIÓN DE LA CALIDAD S

DISEÑO, FABRICACION Y MONTAJE DE EDIFI

Fecha de Certificación Inicial **13 DE AGOST**

Siempre que se mantengan las condiciones de aplicación del Sist
este certificado tiene un período de validez de tres

13 DE AGOSTO DE 1998

Fecha: **10 DE SEPTIEMBRE DE 1998**

Por Burea

Certificado Nº: **50337**

Premis
Qualitat Social
1999

Premis de la Generalitat de Catalunya a la Qualitat Social

En la categoria d'empreses de menys de 100 treballadors

A l'empresa

JANSA METAL, S. A.

Per la promoció de la igualtat d'oportunitats en l'accés al món del treball del col.lectiu de treballadors amb especials dificultats d'inserció.

Hble. Sr. **Ignasi Farreres i Bochaca**
Conseller de Treball

Barcelona, 21 de setembre de 1999

Generalitat de Catalunya
Departament de Treball

2023

JANSA METAL

CONTACT US

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