



[engineering the future together]

PELLANDA

PRECISION DRIVES EXCELLENCE
WHERE QUALITY MEETS INNOVATION
AND MECHANICS TRANSCEND BOUNDARIES
TO DELIVER UNMATCHED SOLUTIONS



The Pellanda Mechanical Division operates as a specialized subcontractor, offering high-quality welding, machining, and assembly services for medium to large-sized components, as well as complete machinery. Our work is carried out in **strict compliance** with customer-provided drawings and specifications, ensuring **precision** and **reliability** at every stage of production.

Since 1977, our core focus has been on serving the steel industry. Over the years, we have expanded our expertise to meet the growing demands of the energy, aerospace, railways, power transmission and automotive sectors, becoming a trusted partner for leading global players in these markets.

From individual parts to fully assembled machines, we support our customers with a **certified welding facility**, a technologically advanced machine park, and a fully equipped assembly area. This allows us to deliver **tailored solutions** that meet the highest industry standards, ensuring quality, efficiency, and innovation in every project.



Discover our World
by scanning the QR code

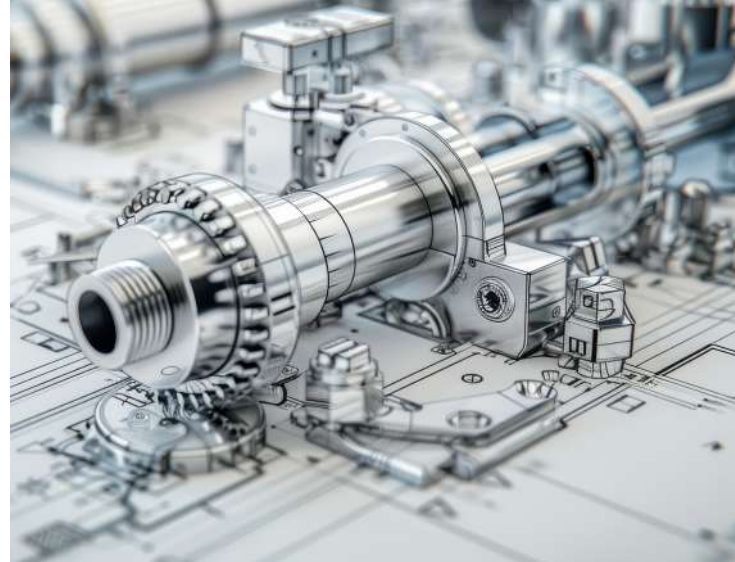


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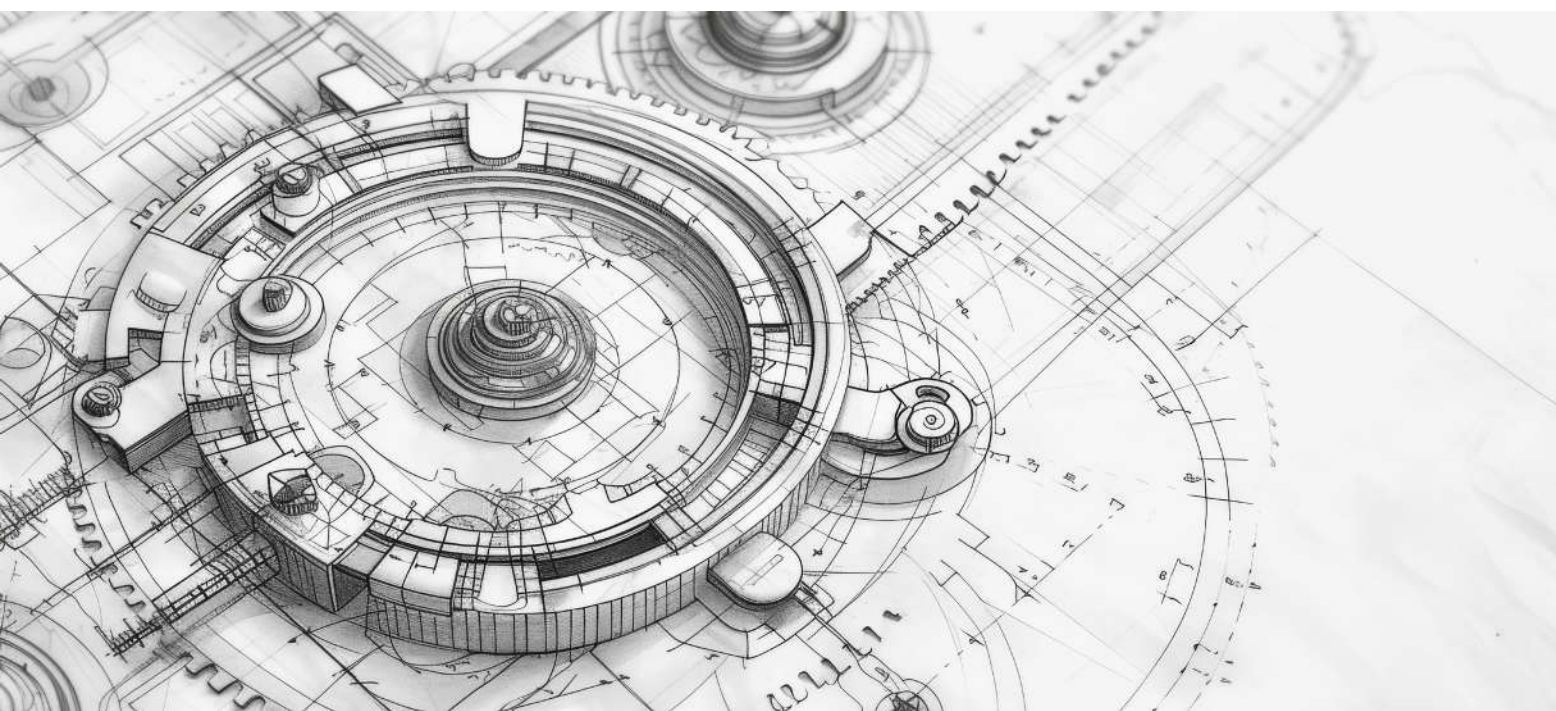
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DESIGN AND ENGINEERING

Officine Meccaniche Pellanda relies on Fusion 360 by Autodesk for the design and production of mechanical components and complex structures. This cutting-edge tool enables the development of **highly detailed and precise projects**, optimizing every stage of the process, from 3D modeling to performance simulation during the manufacturing phase. The integration of design, simulation, and manufacturing within a single platform allows for a streamlined workflow, reducing the need for data conversion between different software solutions and minimizing the risk of errors or information loss. Fusion 360 seamlessly integrates mechanical design with production engineering, offering a **fully digital workflow** that supports collaboration and data traceability across all phases of development. The ability to simulate the characteristics and behavior of materials, analyzing stresses and deformations in detail, helps anticipate potential issues related to mechanical processing, such as assembly difficulties or premature component wear. This simulation capability allows for virtual testing under real-world conditions, making it possible



to refine geometries and manufacturing strategies before physical production begins. Thanks to this technology, **Officine Meccaniche Pellanda can deliver customized and optimized solutions**, improving production efficiency and reducing lead times. The precise control of projects and continuous verification throughout the design process ensure that the final products meet the **highest standards of quality and precision**, addressing client needs in terms of functionality and performance. Every phase, from initial concept to final output, benefits from a structured approach where design choices are consistently validated, guaranteeing reliable results that align closely with technical specifications and operational requirements.



MACHINERY

Officine Meccaniche Pellanda owns a cutting-edge machine park, thoughtfully designed and continuously upgraded to meet the most advanced needs in precision mechanical processing. The technological infrastructure reflects a **strategic vision oriented toward flexibility, reliability, and high performance**.

Our fleet of CNC machines consists of state of the art devices capable of providing highly precise and customizable solutions for the production of complex components. Each piece of equipment is selected not only for its individual performance but also for its ability to integrate seamlessly into our production workflows, **ensuring optimal results and efficient management of work cycles**. The synergy between advanced machinery and operational expertise allows us to handle a wide range of machining requirements with consistency and accuracy. Every stage of production benefits from the precision and repeatability offered by our automated systems, reducing variability and **enhancing quality control**. Our machinery, supported by an integrated information system, is capable of managing programming, planning, and production monitoring in a precise, timely, and highly automated manner. This digital ecosystem enables real-time coordination between design, machining, and quality assurance, ensuring maximum quality and minimizing production times. Through continuous investment in technology and process optimization, **we maintain a production environment where complexity is managed efficiently**, and client specifications are translated into reliable, high-precision results.



No. 1 CNC milling machine O.M.V. PARPAS 6-axis, dimensions 8000x3125x1400 mm, rotary table 2500x2000 mm with translation axis 1.500 mm and head 0.001°;

No. 1 CNC milling machine O.M.V. PARPAS 6-axis, dimensions 8000x3125x1400 mm, rotary table 2000x2000 mm with translation axis 1.500 mm and head 0.001°

No. 1 CNC milling machine MAZAK VTC 800/30 SR, dimensions 3000x800x720 mm, rotary table 500x500 mm and head 0.001°

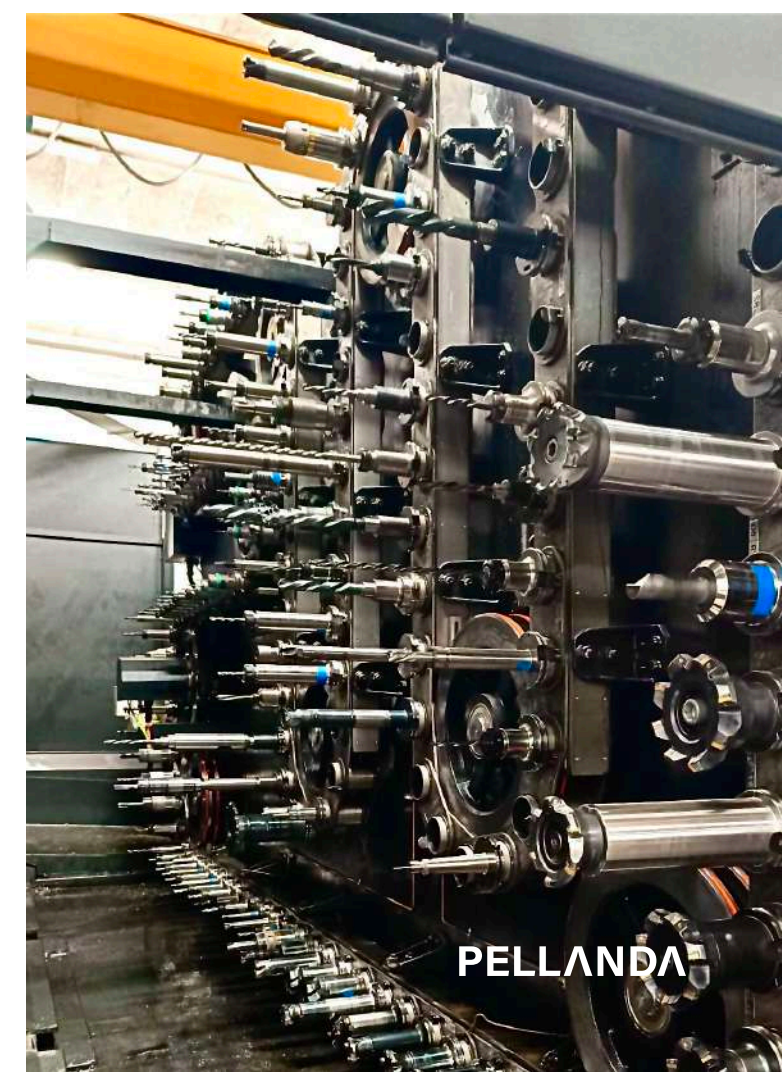
No. 1 CNC horizontal milling machine MAZAK HCN-8800 ISO 50 with Pallettech-Mazak System and additional 12 pallet changer: Stroke X 1.400mm, Y 1.200mm, Z 1.325mm, Pallet size 1000 x 1000 mm, Max. workpiece diameter Ø 1.450 mm, Speed rpm and max torque 1218 Nm.

No. 1 CNC milling machine FPT 5-axis, dimensions 3800x1100x1700 mm.

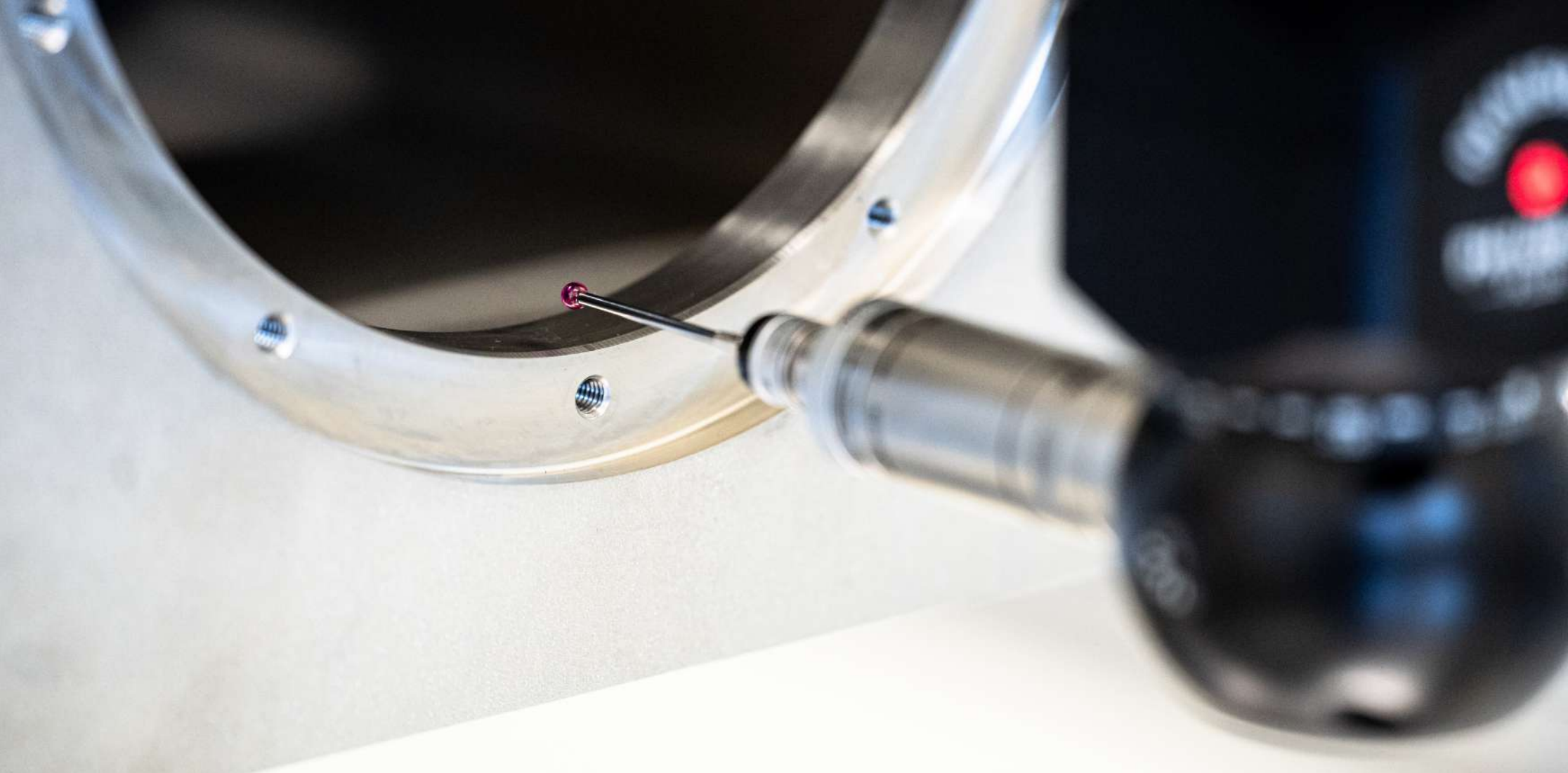
NEW WITHIN 2026

NEW! No. 1 CNC horizontal milling machine MAZAK HCN-8800 ISO 50 with Pallettech-Mazak System: Stroke X 1.400mm, Y 1.200mm, Z 1.325mm, Pallet size 1000 x 1000 mm, Max. workpiece diameter Ø 1.450 mm, Speed rpm and max torque 1218 Nm.

NEW! No. No. 1 MAZAK FH-12800 ISO BT50, 5-axis: Stroke X: 2,100 mm, Y: 1,560 mm, Z: 1,580 mm No. 2 pallets, size 1,250 x 1,250 mm



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CONTROL SYSTEM

The production process is constantly monitored through a series of advanced control systems that ensure quality and efficiency at every stage of production. These systems include monitoring of processing methods, analysis of production phases, control of delivery times and deadlines, and testing activities.

01. Production Analysis | The machine park is fully integrated into the company's information system, ensuring a smooth and error-free flow of information between: technical, development, and production departments. This integration enables optimal operational efficiency and seamless project management. Integrated supervision and monitoring of the production flow provide constant updates on the status of orders, ensuring that deadlines agreed with customers are always met.

02. Quality Control | Meccaniche Pellanda boasts a modern and well-equipped testing department, featuring portable coordinate measuring machines (CMM), such as the CAM2 Arm and the CAM2 Vantage Laser Tracker FARO. These devices allow for 3D inspections, comparisons with CAD, dimensional analysis, and reverse engineering, ensuring product quality. Our CAM2 Edge and CAM2 Vantage Laser Tracker devices are among the most advanced measurement tools currently available. Our commitment to quality also extends to the creation of a temperature-controlled testing room, equipped with a CMM Global Advantage measuring machine (X 1.200 x Y 3.000 x Z 1.000 mm) featuring Renishaw instrumentation and PC-DMIS CAD++ software.

Traceability and Advanced Control | In addition, the company uses a barcode printer that allows for quick identification of each item in the warehouse and tracks its journey throughout the entire production process, ensuring maximum precision and efficiency in pm.



SERVICES

MECHANICAL WORKING

Mechanical processing is at the heart of our operations at Meccaniche Pellanda. We specialize in precision machining, offering a wide range of services that include milling, grinding, and other advanced manufacturing processes. Our team of highly skilled technicians uses state-of-the-art equipment and innovative technologies to deliver products with the highest levels of precision and quality. At Meccaniche Pellanda, we focus on providing tailored solutions to meet the needs of our clients. Whether it's producing complex mechanical components or providing full support for machine and plant construction, we ensure that every project is completed to the highest standards.

Our expertise allows us to work with a wide range of materials, including metals, composites, and special alloys, ensuring versatility and adaptability to meet the requirements of each sector. With a constant commitment to quality and customer satisfaction, Meccaniche Pellanda remains at the forefront of the mechanical processing industry. The investment in the latest milling and turning technology has always been a priority at Pellanda Officine Meccaniche. Thanks to our advanced CNC machines, including highly precise models such as the O.M.V. PARPAS, FPT, and MAZAK series, and supported by a strict maintenance plan, we are able to respect the tightest tolerances and achieve the highest quality standards.



Discover our services
by scanning the QR code



CARPENTRY

Meccaniche Pellanda is specialized in welding services for complex industrial components, complementing its precision machining operations. Thanks to the acquisition of high-quality certifications, such as UNI EN ISO 3834-2, UNI EN 1090 EXC 3, UNI EN 15085-2, and AWS D1.1 Structural Welding – Steel certification for the U.S. market, we are able to design and manufacture welded components that meet the highest international standards. parts, with lengths of up to 8 meters, widths up to 3 meters, and weights reaching 10 tons.



We specialize in building robust structures that meet the demands of high-demand industrial sectors. Every stage of our production process is accompanied by non-destructive testing and pressure tests, essential to ensure the quality and reliability of our products.

Additionally, we use advanced measuring equipment, constantly calibrated, to meet dimensional parameters and quality standards required by our clients. Each operation is carefully monitored to ensure the highest level of precision and excellent durability over time.

ASSEMBLY OF MACHINERY

Meccaniche Pellanda also specializes in the assembly of machinery and complex systems, offering customized solutions for the assembly of complete units weighing up to 20 tons.



Our service is comprehensive, covering every stage of the process, from initial design and planning to final testing and delivery, while always adhering to cost constraints and maintaining high standards of quality and safety. Our expertise extends to the integration of electrical wiring, pneumatic systems, hydraulic circuits, and lubrication piping, ensuring that each component is installed with the utmost precision and that the resulting system is fully operational and meets all required specifications.

Over the years, Meccaniche Pellanda has built significant experience in assembling machinery for a wide range of highly demanding industries, including metallurgy, machine tools, railways, shipbuilding, and energy. Our expertise enables us to meet the needs of every client, offering reliable, safe, and high-quality assembly solutions.

PAINTING

The company offers painting services as a complementary solution, providing customers with a turnkey product. With a specialized team, it paints various materials like steel, aluminum, and alloys, meeting aesthetic and functional needs. The process follows strict quality standards, using tailored paints for each application.



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QUALITY AND CERTIFICATIONS

Since its inception, our Company has consistently prioritized quality as a cornerstone of its operations. We have made significant investments in employee training, state-of-the-art measuring instruments, and obtaining internationally recognized certifications. These efforts are aimed at ensuring the highest standards in reliability, production process stability, adherence to delivery schedules, and workplacesafety. Our commitment to excellence is reflected in the following certifications, which underscore our dedication to maintaining rigorous quality and safety standards:

UNI EN 1090 EXC3: Certification for the execution of steel and aluminum structures, ensuring compliance with the highest European standards for structural integrity.

UNI EN ISO 3834-2: Certification for quality requirements in fusion welding of metallic materials, guaranteeing the highest level of welding quality.

UNI EN 15085-2: This standard specifies the quality requirements and certification procedures for welding manufacturers involved in the production and maintenance of railway vehicles and components. It ensures the highest levels of safety, reliability, and compliance in welding processes, essential for the railway industry.

AWSD1.1 Structural Welding - Steel: Certification from the American Welding Society, ensuring that our welding processes meet the highest standards for structural steel welding.

UNI EN ISO 9001-2015: Certification for our Quality Management System, demonstrating our ability to consistently provide products and services that meet customer and regulatory requirements.

UNI EN ISO 14001-2015: Certification for our EMSystem, demonstrating our commitment to environmental protection, pollution prevention, and sustainable practices in compliance with regulatory obligations.

UNI EN ISO 45001-2018: Certification for our Occupational Health and Safety Management System, demonstrating our commitment to providing a safe and healthy workplace, preventing work-related injuries and illnesses, and proactively improving our OH&S performance in compliance with legal requirements.

These certifications are a testament to our unwavering commitment to quality, safety, and continuous improvement in all aspects of our operations.



A close-up photograph of vibrant green fern fronds, filling the frame with intricate, feathery patterns.

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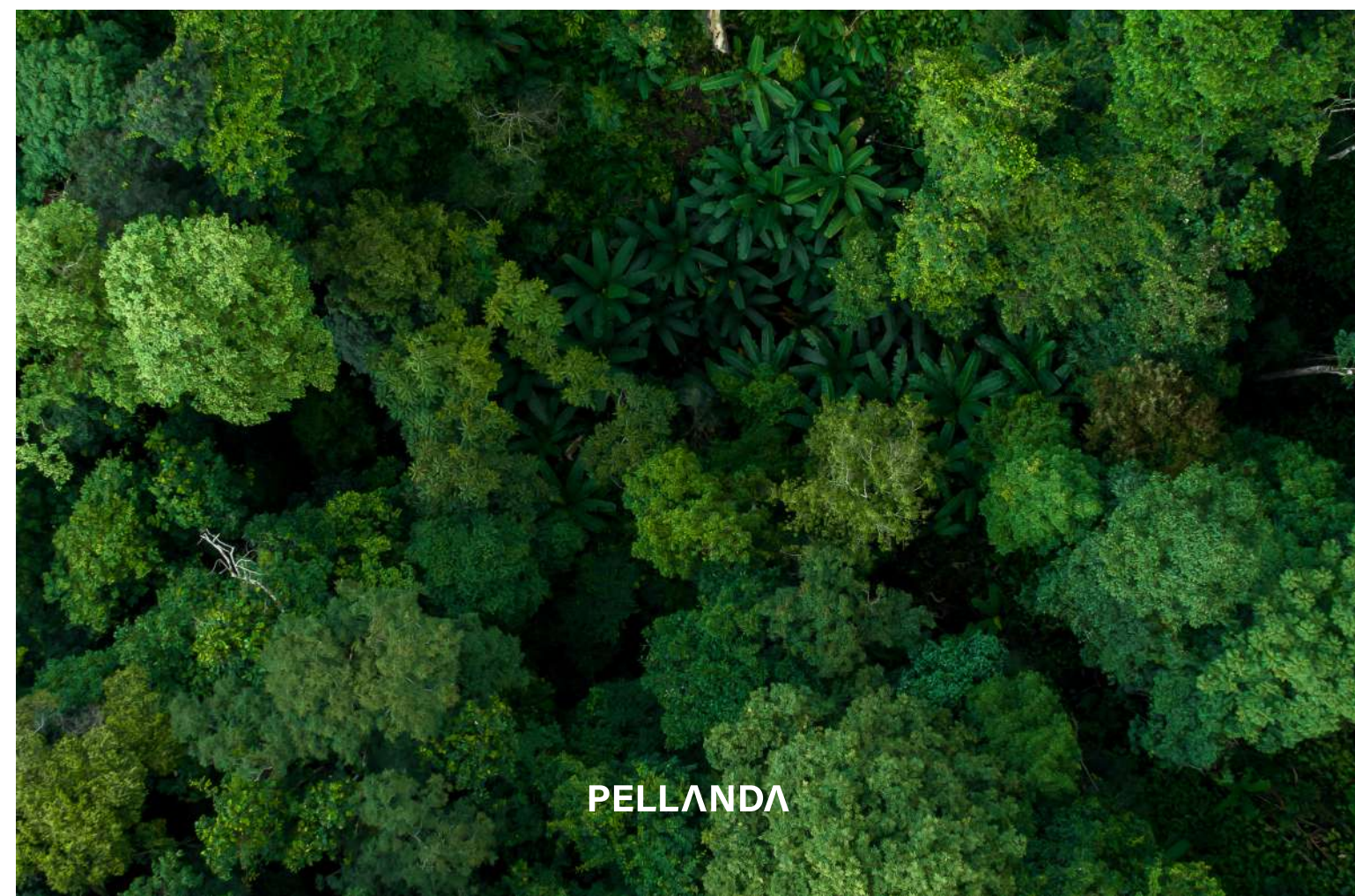
CO₂ KILOGRAMS SAVED

SUSTAINABILITY AND ENVIROMENT

Climate change is undeniable. As a company dedicated to mechanical manufacturing, we recognize our role in this challenge and embrace the responsibility to act. Our bold commitment is to achieve net zero greenhouse gas emissions by 2040. How will we get there? By transforming every step of our value chain innovating, improving efficiency, and championing sustainable solutions to create a cleaner, brighter future for all.

Building on our commitment to achieving net zero greenhouse gas emissions by 2040, we are already implementing tangible changes across all facets of our operations. This transformation is not just a goal but a continuous journey driven by innovation and responsibility. We are investing in state of the art technologies and processes designed to reduce our carbon footprint, enhance energy efficiency, and promote circular

economy principles. From sourcing sustainable materials to optimizing manufacturing workflows, every decision is guided by the principles of environmental stewardship. Moreover, we are fostering a culture of collaboration and transparency, working closely with suppliers, partners, and customers, to extend sustainability beyond our walls and into the broader industrial ecosystem. Education, awareness, and shared goals empower us all to make meaningful contributions toward a low-carbon future. As we navigate this path, Officine Meccaniche Pellanda remains committed to delivering exceptional quality while minimizing environmental impact, proving that industry leadership and sustainability can go hand in hand. Together, we are shaping a future where innovation and responsibility drive lasting progress.



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