



TECNIVIAL PRESS DOSSIER

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DESCRIPTION

Created in 1973, Tecnivial is a Spanish benchmark in road safety and in providing comprehensive solutions for road, railway and airport signalization and beaconing. Since its start, Tecnivial has sought to take part on safer roads, focusing in recent years on contributing to the Zero Road Victims Goal from road safety as well as achieving the 2030 Sustainable Development Goals to improve our planet.

Tecnivial works on the development of transversal solutions, where science, innovative technologies and its experience in the sector come together to create an intelligent environment.

BACKGROUND

Tecnival was born as a result of research into new signaling materials (fiberglass). After five decades, the company is fully based in Spain and with presence on all five continents.

Located in the city of Guadalajara, a strategic position in terms of logistics in central Spain situated near Madrid, with excellent communications, allowing for quick and direct contact with the main headquarters of companies, ministries and infrastructure managers.

Tecnival is the supplier of the main infrastructure companies in Spain and worldwide, boasting product presence all over the world. As we are manufacturers, this allows us to adapt products to the specific needs and regulations of each client.



R&D+i TOWARDS INDUSTRY 4.0

Tecnival is one of the Spanish companies in the sector that devotes the most resources and efforts to **research and development**. Specifically, the company invests 12% of its annual turnover in R&D+i. Always focusing on innovation as the core of its operations, developing cutting-edge technology and products that meet the most demanding standards of quality and safety in manufacturing and installation per current regulations and introducing technologically advanced products to the market.

The company is **constantly researching** new applications, improving material performance and new forms of installation, with the aim of improving safety and predicting market demand.

Tecnival is committed to the creative freedom of its employees in evolving, and for this it has a Permanent Interdisciplinary Innovation Committee that explores creative solutions for problems and challenges that arise every day. All the company's R&D developments are based on this commitment.

Tecnival is certified by Bureau Veritas Certification of the UNE 166002:2021 Standard R&D&I in comprehensive Road Safety solutions with signaling and beaconing systems.

BUSINESS AREAS

- **Road:** the aim of products and services that compose its portfolio intends road safety improvement, with the goal of Zero Victims. Tecnival focuses its road activity development on the creation of connected solutions, in combination with the most conventional road safety elements, transforming roads into an active actor in supportive driving and turning road transport into a safe and pleasant experience. It is present throughout the entire process: **design, manufacturing, approval, sale, installation and maintenance**.
- **Railway:** Tecnival is a specialist in all types of **fixed railway signaling, both conventional and high-speed**. It is authorized by the Spanish Railway Infrastructure Administration (ADIF) for the supply and installation of signs and fixed information screens on lines. It works on more sustainable signaling that helps minimizing risks of both traffic and pedestrians within a transit context: stations, level crossings, track work, etc.

- **Airport:** all Tecnivial products comply with **AENA** technical specifications regulations applied to both air and ground context, providing interior and exterior signalization as well as parking areas, including Instrument Landing System (ILS). As a result of its commitment to innovation in this area, it uses one of its developments endorsed by EXA 28 for perimeter fencing of ILS areas made with state-of-the-art composites permeable to electromagnetic waves.

COMPANY POLICY

Tecnivial's objective is to be the trusted supplier for anyone who needs solutions road safety including innovative, long-lasting signalization with high quality parameters.

- **Innovation** is the axis around which decisions are made.

Tecnivial was the first company in Spain to manufacture fiberglass signs, plastic traffic cones, flexible markings on the edges of the road and to indicate construction work with lights.

It has developed products with its own technology such as the exclusive Protection System for Motorcyclists, SPM COMPOSITEC and the innovative LED lighting applications to improve road visibility and sensitized signalization for crossings and detection of cyclists on the road.

The new NANOTEC signs are state-of-the-art products made of fiber/resin and carbon nanoparticles, that have very distinctive characteristics compared to aluminum or steel signals like lightness, resistance (to loads, snow and wind), durability (does not suffer corrosion), low environmental impact, low residual value, low maintenance and low installation and transport costs.

With the LASERTEC Laser Beacons System, visibility has been improved in conditions where it is almost non-existent (extreme fog, sand, suspended particles, etc.), allowing the driver to see the road layout beyond where the reduced visibility allows them to see other objects, providing greater safety for road users. This is achieved by activating a laser beam that marks the contour of the road.

Tecnivial is the first company approved by ADIF for fixed signalization on conventional and high-speed road networks.

- **Quality and respect for the environment** are fundamental pillars of the company

The efficiency of all processes and operations is ensured through an Integrated Management System that combines ISO 9001 and ISO14001 certifications.

TECNIVIAL's Quality Management System controls and guarantees that all its products and services comply with manufacturing and installation quality as well as safety standards in compliance with current regulations, monitoring after-sales service and evaluating the degree of customer satisfaction.

- **The company focuses on contributing to sustainability** in its day-to-day operations

It manufactures and markets sustainable products, maintaining this criterion throughout the value chain and thus placing innovation at the service of creating a safer, more efficient and more prosperous world.

- **It is committed to the SDG 2030 GOALS:**

GOAL 9: INDUSTRY, INNOVATION AND INFRASTRUCTURE

GOAL 11: SUSTAINABLE CITIES AND COMMUNITIES

GOAL 12: RESPONSIBLE PRODUCTION AND CONSUMPTION

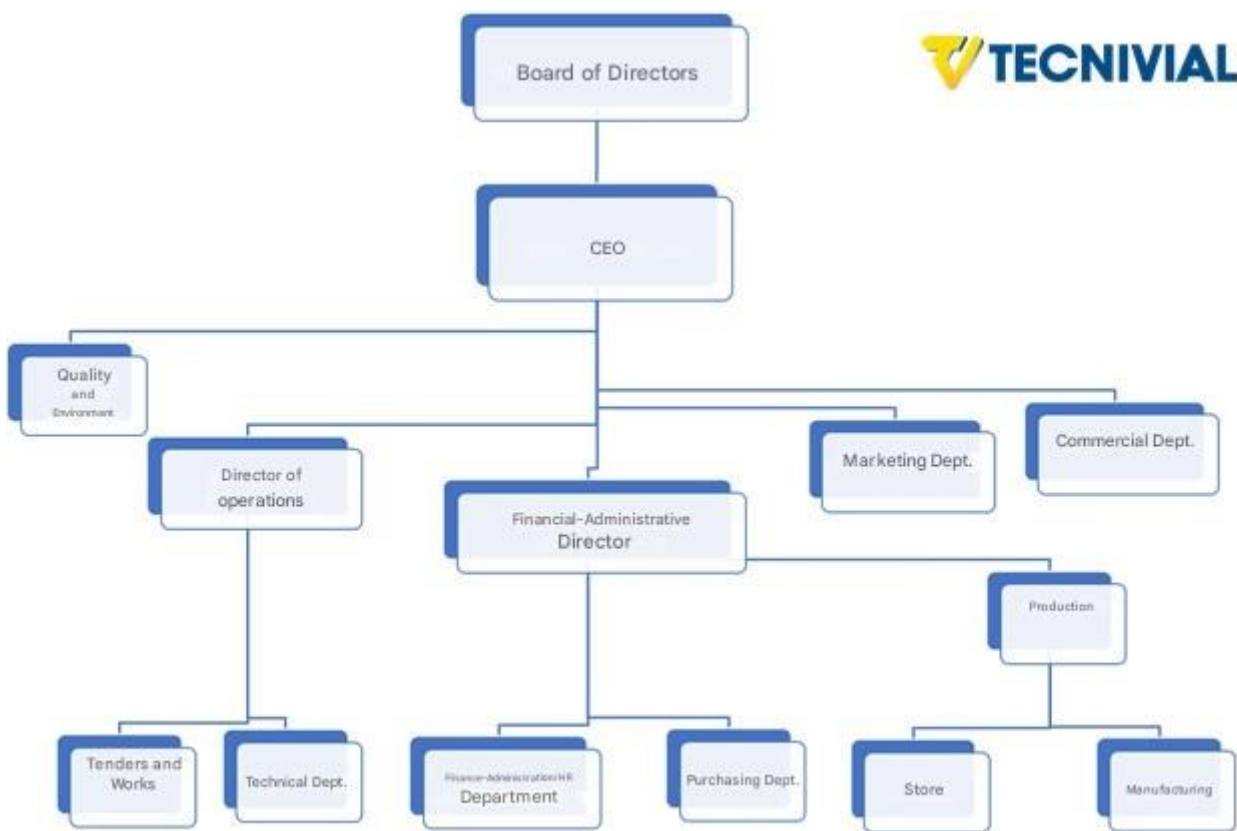
- **Customer satisfaction** is the basis of the company's line of business.

From the first moment, we offer an alternative assessment and the best solution throughout the execution. We review the facilities on site to adapt them to the needs of the moment and, once it is finished, evaluating the degree of satisfaction and carrying out maintenance and after-sales service.

COMMITTED TO TRAINING AND DEVELOPMENT

Tecnival is committed to knowledge and to achieve this. It collaborates with universities and research centers in its R&D&i area and supports young talent with its scholarship program and internships in companies for people who complete their studies.

ORGANIZATIONAL CHART



FEATURED PROJECTS

Among the various projects conducted by Tecnivial, the following have a spotlight:

- **Roads:**

SMP COMPOSITEC Development, a system for protecting motorcyclists from impact with containment barriers if a fall. It is installed on numerous Spanish roads and, internationally, Israel stands out, where SPM COMPOSITEC is approved by the Ministry of Transport and Road Safety, replacing the rest of the protection systems with the Tecnivial one, due to its higher levels of safety.

The **latest generation NANOTEC signs** are made with a composite that incorporates graphene, being more sustainable, resistant, light and durable than aluminum ones.

LASERTEC Laser Beaconsing System: it improves visibility on roads where it is almost non-existent, allowing the driver to see the road layout beyond where the reduced visibility allows them to see other objects.

Cyclist detection system on roads, intelligent crossings, sensorized and illuminated signals.

- **Railway:** Tecnivial is the first company approved by ADIF for fixed road signalization, both conventional and high-speed networks.

At international level, it has conducted the signaling of the Medina-La Meca AVE.

- **Airports:** perimeter security beaconsing of the Adolfo Suarez Madrid-Barajas airport. Use of SPM Compositec manufactured in GRP for critical ILS areas. System following AENA regulations.

RECOGNITION AND AWARDS

- CEOE-CEPYME Guadalajara Award, 2008 for "Business Innovation" for the SPM COMPOSITEC project.
- CECAM Award, 2008 to Mr. José Luis Lauffer, in recognition of his business work.
- Plaque of gratitude from ADIF, 2008 for his collaboration in the signaling project for the circulation stations.
- "Gallardo" Award 2009 from the City Council of Marchamalo (Guadalajara).
- CEOE-CEPYME Guadalajara Business Excellence Award, 2011 for the "Company with the greatest international expansion".
- The innovative LASERTEC Laser Beacons System from Tecnival, awarded in the 45th edition of "The 100 Best Ideas of Spain in 2024" awarded by the Economic News supplement of El Mundo.
- Tecnival's innovative LASERTEC Laser Beacons System, winner of the Innovation Award from the Spanish Road Association and the ACEX National Award from the Association of Infrastructure Conservation and Exploitation Companies.
- Tecnival receives the CLM Business Merit Award as an Innovative Company 2024.
- Joaquín Izquierdo, director of Innovation and Operations at Tecnival, is appointed as a member of the New Board of Directors of the ATC, Technical Road Association, (2024).
- Participation of TECNIVIAL, S.A. in the Strategic Project for the Economic Recovery and Transformation of the Electric and Connected Vehicle (PERTE VEC) (2024).

CONTACT INFORMATION

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INTERESTING LINKS

Projects conducted by Tecnivial are detailed on our website www.tecnivial.com.

An extensive [YouTube](#) channel features the company's video presentation as well as a detailed list of products and solutions.

Follow Tecnivial's day to day on: [LinkedIn](#), [Facebook](#), [Instagram](#), [X](#).