

INFRA- STRUCTURE

**BUILDING
A BETTER
WORLD**

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ACCIONA, pioneers in development and sustainability

ACCIONA is one of Spain's largest corporations, a leader in development and management activities in the areas of infrastructure, water, services and renewable energy. The company boasts a century of experience and a workforce of over 30,000 dedicated professionals. It is present in over 30 countries on five continents, and in 2013 it posted €6.61 billion in sales. ACCIONA is listed on the selective Ibex-35 stock index and is a benchmark in the market.

ACCIONA focuses its strategy on economic growth, environmental balance and social progress. These are the keystones of its sustainability policy, which is part of a long-term company model, where business is closely intertwined with the challenges and opportunities of Sustainable Development. In the framework of these challenges, the company has implemented its advanced sustainability practices, articulated through its Master Plan (PDS 2015). Its objectives aim to contribute towards boosting the organization's competitiveness and to bolstering its position as a leader in sustainable practices.

Creating business value at ACCIONA is inconceivable without innovation. In 2013, the company allocated €173.2 million to R&D, including efforts to deploy its innovation processes in its main markets.

One of its specific commitments is to steadily reduce its carbon footprint and to lead the transition towards a low-carbon economy. In 2013, ACCIONA activities and business prevented the emission of more than 15 million tons of CO₂ into the atmosphere. In recognition of this commitment, the company has been included on such reputable sustainability indices as the Dow Jones Sustainability Index, FTSE4Good, MSCI ESG Index, STOXX®Sustainability, Carbon Disclosure Leadership Index (CDLI) and the Carbon Performance Leadership Index (CPLI) Iberia 2013.

Vision, Mission and Values

Our vision prioritizes the ability to respond to the challenge of achieving sustainable development across all our business areas, so that current and future generations enjoy a better life.

ACCIONA's strong commitment to sustainability, technology and constant innovation takes on a life of its own in the Infrastructure

division, which serves as inspiration for all projects.

Our mission is to be leaders in the creation, promotion and management of infrastructure, energy and water, actively contributing to social welfare, sustainable development and value creation for our stakeholders.

ACCIONA's strategic approach is geared towards

sustainability rooted deeply in our core values.

- Honesty
- Leadership
- Excellence
- Environmental protection
- Social commitment and responsibility
- Long-term focus
- Innovation
- Care for people
- Client focus
- Financial stability





Infrastructure around the world

ACCIONA Infrastructure boasts over 100 years' experience in all kinds of civil and building works, applying in all projects its technology, innovation and expertise.

ACCIONA is today a global company with experience in over 30 countries on five continents and a workforce of over 30,000 employees. In its long international career, the company has participated in some flagship projects during the last decades.



All projects take into
consideration environmental,
social and economic aspects,
with a comprehensive
approach to sustainability



Ting-Kau Bridge. Hong-Kong (China)





Petronas Towers in Kuala Lumpur (Malaysia),
reaching a height of 452 meters

Experience and Knowledge

ACCIONA Infrastructure is one of the leading construction companies worldwide. The company boasts the most advanced technologies for the work it does and it selectively assigns the right technology for each project and each client. It also has a highly trained professional team and management systems that make it a priority to carry out efficient knowledge management that allows effective leveraging of all company expertise.

ACCIONA Infrastructure develops solutions affecting all construction aspects, from engineering and design to execution of the works and subsequent maintenance.

This wide range of activities ensures an overview that provides solutions tailored to each particular project.

To achieve excellence in all phases of its work, ACCIONA Infrastructure has the support of various specialized units:

- ACCIONA Engineering
- ACCIONA Concessions
- Metal workshop structures
- Machinery service
- ACCIONA Infrastructure Maintenance
- Auxiliary companies specialized in systems for prestressing, anchoring, reinforced earth, special foundations, etc.

SUSTAINABILITY and EFFICIENCY

THROUGHOUT THE VALUE CHAIN



Initial definition

Project Identification → Master Plan

- Feasibility Analysis
- Infrastructure contracting and development models
- Conceptual design
- Budget estimates
- General consulting, etc.

Implementation Phase

Engineering and Design → Development and Control → Construction

- Technical and engineering design
- Budget
- Planning implementation and execution
- Purchasing and supply
- Construction
- Technical assistance and control
- Monitoring and follow-up, etc.

Operation Phase

Operation and Maintenance → Improvement and Efficiency

- Start-up and commissioning
- Operation
- Maintenance
- Monitoring and control
- Assistance during operation
- Suggestions for improvement, application of efficiency measures, etc.

Excellence and Efficiency

All the projects which ACCIONA Infrastructure is involved in have something in common: social value, applied technical excellence and management rigor.

In line with the company's firm commitment to society, each project is developed in response to social, economic and environmental issues, working on the basis of a comprehensive approach to sustainability and always looking to improve the construction processes and ensure environmental protection.

The works, whether public or private, are an asset at the service of people and the community where they are undertaken, bringing progress to the public in various aspects of life. Roads, water infrastructure and buildings are examples of

works that improve the lives of people who use them, the environment and the society where they are carried out. Excellence is therefore a basic premise in all of ACCIONA's initiatives.

The procedures established that determine ACCIONA's way of carrying out projects share the common denominator of efficient management to guarantee overall efficiency.

These include financial, technical, environmental and social issues, underscoring ongoing improvement, contributing to cost-effectiveness and sustained benefits and avoiding all activities that do not contribute real added value.

ACCIONA Infrastructure's solid international growth and firm commitment at this level have

materialized thanks, among other factors, to innovation. Its innovative spirit has enabled it to respond to the needs of increasingly demanding markets and carry out large-scale projects in a great variety of environments, not to mention proactively manage risks at all stages.

Risk management has become an essential tool to address the current market situation, ensuring strong, stable and consistent growth aligned with the company's principles of sustainable development. It also ensures a cross- and multidisciplinary vision of each project to ensure the enhancement of the experience gained in the search for solutions to each specific project.



Innovation, Research and Development

ACCIONA Infrastructure channels all its innovative activity through the Technology Center, a worldwide benchmark in the construction industry.

The ACCIONA Infrastructure Technology Center employs more than 160 people with multidisciplinary profiles from over 15 different nationalities and with an average age of 35 years. All these factors make the technology center an inexhaustible source of creativity.

The ACCIONA Infrastructure Technology Center covers an area of more than 3,500 m²,

has 14 fully equipped laboratories and two production workshops for manufacturing prototypes.

In addition to its headquarters in Madrid, the Technology Center has offices both in Spain and abroad, in countries such as Canada, Chile and Poland.


The Technology Center distributes its research in four main areas: Materials, Infrastructure, Energy Efficiency and New Technologies for Construction. All innovations generated here are incorporated into ACCIONA

Infrastructure works through the Implementation area. This area features qualified professionals to help site staff understand new work processes and help them use them the best way possible.

The Technology Center collaborates with the best universities and technology centers worldwide for its research projects. Currently, partnerships exist with over 200 organizations.



ACCIONA Infrastructure
has handled hundreds
of projects that have
helped improve roads in all
countries where it has been
present



An aerial photograph showing a multi-lane highway (A-63) that curves through a lush, green, hilly landscape. The road has white lane markings and a central divider. In the background, there are some small buildings and more hills. The overall scene is a mix of natural greenery and modern infrastructure.

Roads

GLOBAL SOLUTIONS TO IMPROVE TRANSPORT EFFICIENCY AND FACILITATE TRAFFIC MANAGEMENT TO DRIVE THE SUSTAINABILITY OF RESOURCE EXPLOITATION

Infrastructures have always provided comprehensive solutions that contribute to improvements in national and international transportation. Improved infrastructures also ensure more sustainable use of resources, providing more efficient services that enhance traffic management.

ACCIONA Infrastructure has vast experience from having been involved, since its inception, in hundreds of road

projects: motorways, highways, bridges, viaducts, airports, subway, trams and high-speed rail lines, conventional and underground, in over 30 countries, for public and private clients.

ACCIONA Infrastructure provides innovative solutions, features the most cutting-edge building systems and has extensive experience in managing large and complex projects.





Positioned as one of the leading construction companies in the Spanish market, ACCIONA Infrastructure has contributed since the very beginning to the development of an extensive network of roads, railways, subways, high-speed lines and light rail.

ACCIONA Infrastructure's experience in road construction includes complex projects in populated areas, such as the

A-30 in Montreal (Canada) and projects in remote places like the interior of Gabon.


In the last decade, ACCIONA Infrastructure has built over 1,700 km of roads. Backed by its extensive experience in Spain, ACCIONA Infrastructure's international consolidation has resulted in flagship projects such as the aforementioned A-30 and the South East Stoney Trail, both in Canada. The

BRJ393 in Brazil and the Amerigo Vespucci Highway in Santiago de Chile are also worth highlighting. Currently, ACCIONA Infrastructure is building two sections of the Rodoanel Mário Covas, Sao Paulo's future beltway.

ACCIONA Infrastructure has a department specializing in rail projects. Along with the engineering division, it provides global solutions ranging from the design of

Left:
San Juan, Puerto Rico subway.
Section: Hato Rey
Above: High speed rail
Madrid-Zaragoza-
Barcelona-French border



A large cantilever bridge is under construction over a body of water. Several tall concrete piers are visible, with cranes and construction equipment on top. The water is dark blue, and the sky is clear. The bridge structure extends into the distance.

railways and their future connections to the execution of the works and their subsequent operation and maintenance, for passenger and freight trains alike.

We are able to integrate optimal solutions for each project thanks to this specialization, our excellent staff, our ability to innovate and our extensive experience. True to its corporate commitments, ACCIONA Infrastructure has introduced the most innovative building systems to converge with the

highest standards in terms of efficiency and safety.

The company's experience includes designing and building more than 1,000 km of the world's most advanced high-speed railways, in over 30 major and relevant projects.

ACCIONA Infrastructure has undertaken the expansion of some of the largest subway networks in the world.

These include the Madrid, Barcelona, Bilbao, Medellin and San Juan (Puerto Rico) systems. It is currently

building a new subway line in Fortaleza (Brazil).

It also has a extensive experience in the construction of elevated railways (Puerto Rico, Hong Kong, etc.) and emblematic airports: Barajas in Madrid, El Prat in Barcelona, Malaga Airport, Sondika in Bilbao, Roatan and San Pedro de Sola in Honduras and Fiumicino in Rome, among others.

Hydraulic works

UNIQUE AND TECHNOLOGICALLY ADVANCED PROJECTS

Hydraulic works represent a significant component in ACCIONA Infrastructure's development. Dams have played a prominent role since the mid-twentieth century. The company has conducted an uninterrupted series of projects as unique as they are advanced.

ACCIONA Infrastructure also has extensive experience in the construction of water treatment plants, desalination

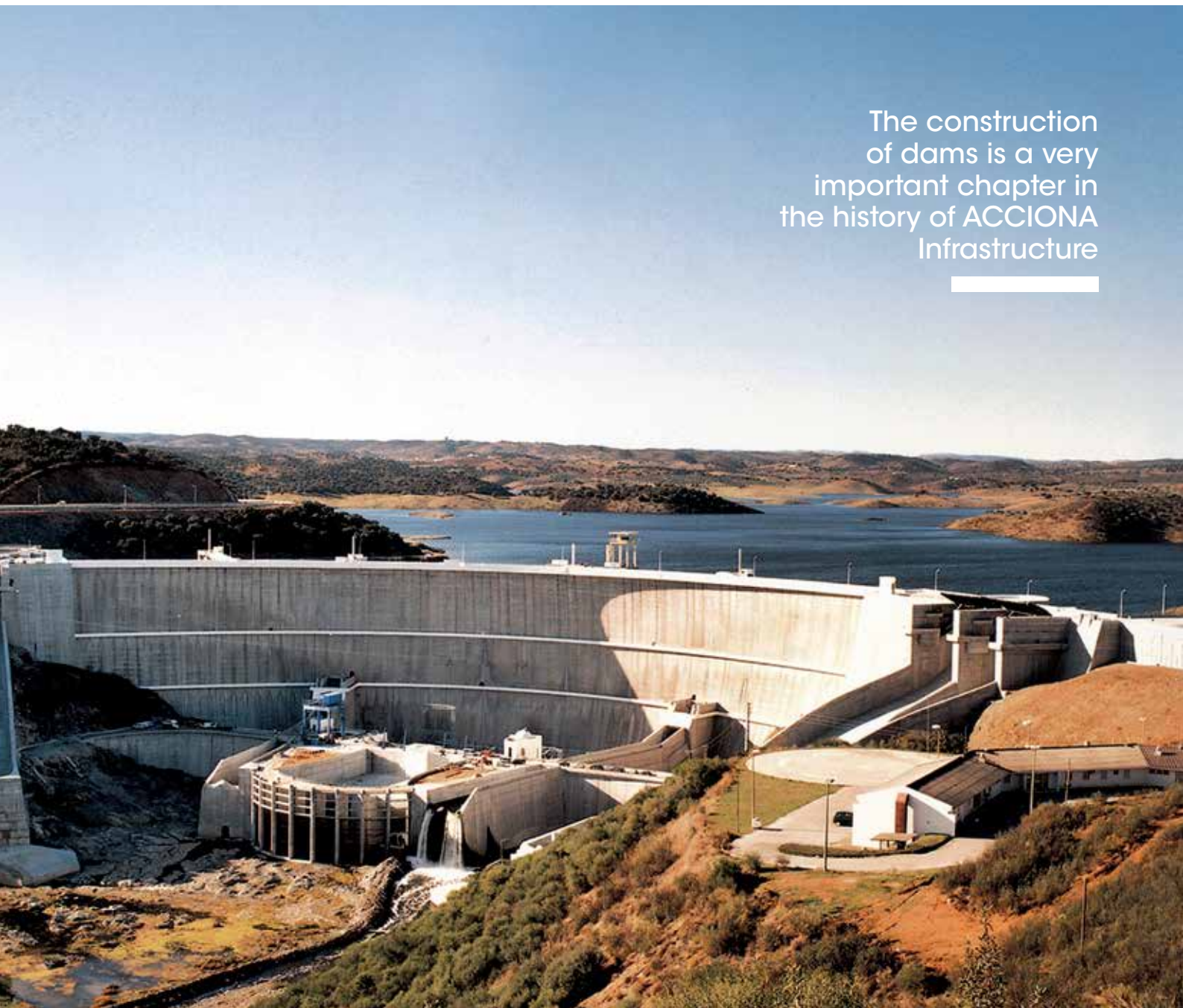
plants, canals and collectors, pipes and pipelines, drainage and irrigation systems, and reservoirs.

While upholding our social and environmental commitment, all these works have helped mitigate the significant hydraulic needs of surrounding areas, using the latest techniques and seeking a more sustainable use of this scarce and indispensable natural resource.

Works have been undertaken in very diverse locations, some with extreme climate conditions. They have all enabled us to optimize local resources and improve quality of life for communities.



The construction
of dams is a very
important chapter in
the history of ACCIONA
Infrastructure

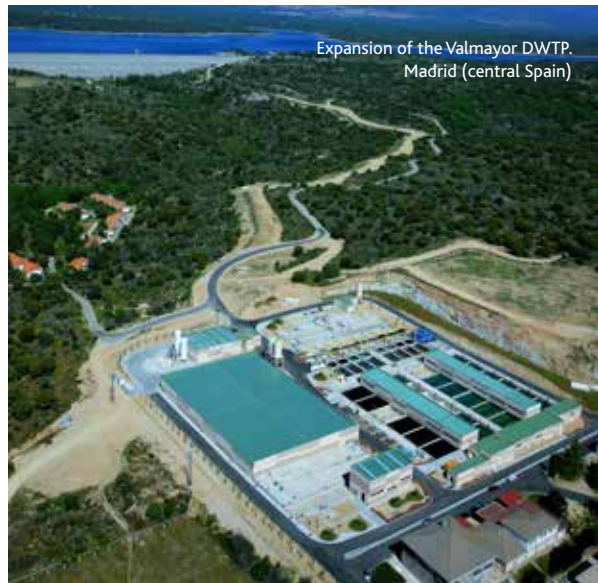




Torrevieja desalination plant.
Alicante (eastern Spain)



Ojos de Agua mini-station Chile



Expansion of the Valmayor DWTP.
Madrid (central Spain)



Montearagón Dam. Huesca (northeast Spain)



Marine works

CUTTING EDGE TECHNOLOGY FOR FLAGSHIP PROJECTS

Since its founding, ACCIONA Infrastructure has collaborated in the development of a variety of ports and marine projects worldwide. The ACCIONA Infrastructure marine works team boasts a large number of highly qualified and experienced specialists who are used to major challenges, with projects in remote locations, complex structures and demanding completion deadlines.

The works executed include ports, shipyards and dry docks, berths, navigation channels and marinas, for public and private investors.

Current development of port infrastructure has led to the construction of larger facilities, as well as the alignment of traditional construction methods with our sustainability goals.

The construction time, volume of consumables and increasingly growing dimensions of infrastructure elements have called for a review and update of methods used for caisson construction.

With over 10 years of operation, the Kugira floating dock (featuring proprietary technology) has proven to

be an extremely reliable and highly efficient alternative. The Kugira, one of the largest floating docks in the world, features highly industrialized implementation procedures and contributes to a more sustainable use of resources used in the manufacture of docks and breakwaters, achieving high levels of efficiency and performance.





ACCIONA
Infrastructure has
built numerous ports,
shipyards and dry
docks, berths, and
navigation channels

San Roque port infrastructure construction for building the Adriatic LNG caisson in the Algeciras Port Terminal (Cadiz, southern Spain)





Rota Naval Base Dock. Cadiz
Extension of Dock No. 1 and Rehabilitation of Dock No. 2



Lake Water Cooling Project
in Toronto (Canada)



The Kugira during construction of the breakwater
(terminal TX-2) in the Port of Açu, Rio de Janeiro (Brazil).



ACCIONA Infrastructure has executed subway, road and rail tunnels in Europe, Latin America, Africa and Australia

Underground works

LEADERS IN TUNNEL TECHNOLOGY

In recent years, underground works have been in the limelight due to several factors:

- Great advances in geotechnical research
- Improved conditions in tunnel interiors
- Innovative ventilation systems
- Electronically initiated blasts
- TBM (Tunnel Boring Machine) established as the safest and most efficient means of excavation.

True to our commitment to technological innovation, we quickly adopted these

systems which, coupled with the continued contribution of our teams, have helped us make progress in this type of work towards more industrialized processes compliant with stringent safety standards.

ACCIONA Infrastructure has executed subway, road and rail tunnels in Europe, Latin America, Africa and Australia.

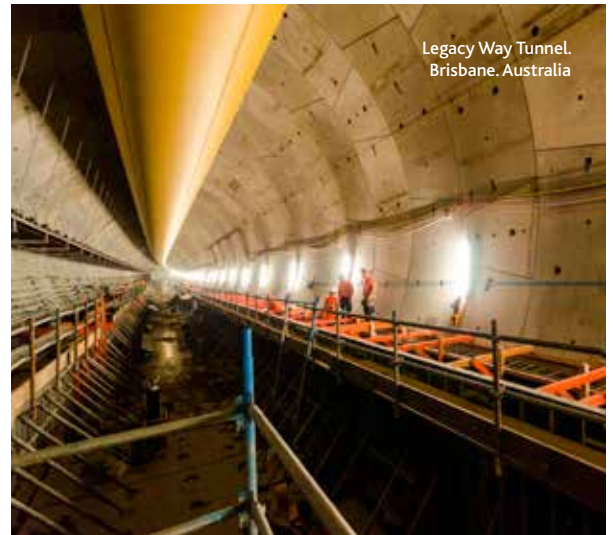
The underground subway in large metropolitan cities is evolving very fast thanks to its proven efficiency as a public transport system. It contributes to improving the

quality of cities by cutting CO₂ emissions, enhancing mobility, ensuring speed and guaranteeing transport times.

ACCIONA Infrastructure has contributed to the improvement and development of metropolitan roads in cities which today can be considered world models in this area, such as Madrid, Barcelona and Hong Kong.

León-Asturias high-speed rail (northern Spain).
Section: Pajares Tunnels.
Two 25-km tunnels.
The eighth longest in the world.





Industrial works

EXPERIENCE AND ABILITY TO TACKLE ANY PROJECT

The work undertaken by ACCIONA Infrastructure since its inception has adapted perfectly to the industrial needs of a changing world, which ensures its qualification and expertise for tackling any type of industrial project.

ACCIONA Infrastructure has participated in the design and construction of a variety of plants and factories, including chemical, steel,

manufacturing, finished product and conventional power (mainly thermal, nuclear and gas). It has also carried out the construction of renewable energy power plants —wind farms, photovoltaic plants, solar thermal plants, biomass and biofuel production plants, etc.— thus following through with our environmental commitment and the development of other ACCIONA divisions.

The company has constructed solar thermal plants in Morón (Seville, Spain), Ouarzazate (Morocco) and Bokpoort (South Africa).

ACCIONA Infrastructure meets all technical requirements and considers meeting deadlines as a basic objective. ACCIONA's extensive experience in industrial construction and its team of top professionals enable the company to

Composting and thermal drying
plant with electrical cogeneration at
Loeches (Madrid)



ACCIONA Infrastructure
stands out as a company
with great experience,
highly qualified to tackle
any type of industrial
plant project





handle very complex tasks and make foundations in difficult terrain, ensuring perfect coordination with team installers.

The company facilitates assemblies, carefully adjusting the landscape of the work and planning each project as a whole.

Worth highlighting in recent years is the creation and improvement of various mining infrastructure elements, including ports,

mineral pipes, tunnels, access roads and ventilation. All these contribute to a more sustainable and secure exploitation of mineral resources.

The most recent projects, throughout the world (Brazil, Chile and Colombia in particular) have focused on constructive solutions for all types of operations. These include open-cast mines with large and complex earthworks in difficult locations and

underground mining. In both cases, we have worked in very remote locations, with extreme weather conditions.

Adriatic LNG Caisson moored
to the Adriatic LNG Terminal





Construction

INNOVATIVE SOLUTIONS TO MEET MODERN CONSTRUCTION CHALLENGES

Today, the hallmark of quality in building construction is not limited to strength, stability, fire protection or health and environmental protection features.

Modern society demands the quality of buildings to stand out in equally important aspects such as comfort, ease of use, functionality and efficiency in use of basic resources, especially water and energy.

In line with this social demand, ACCIONA Infrastructure's outlook is

always focused on meeting high sustainability standards in all phases, from promotion to design, including the construction and maintenance of any building.

Creativity also prevails in our engineers' and architects' designs, often based on complex structures riddled with real construction challenges.

ACCIONA Infrastructure has constructed corporate buildings, hotels, apartment buildings, communications towers, museums, convention

ACCIONA Solar
zero emissions building
in Navarre (northern Spain)



ACCIONA Infrastructure
implements the most
advanced constructive
solutions and the latest
technology





Julio Prestes Theater
and Concert Hall.
Sao Paulo (Brazil)

centers, sports venues, transportation terminals and stations, health centers, hospitals, residential complexes, homes, schools and universities. Every project has benefited from ACCIONA Infrastructure's vast experience, the most

advanced construction solutions and cutting-edge technology, always within the bounds of sustainability and efficiency standards.

Building refurbishment and restoration is an increasingly important specialty, both in

the conservation of buildings that are part of our cultural and artistic heritage and in adapting old buildings to the conditions currently required for efficient and comfortable use.

Terminal 4
of the International Airport
Madrid-Barajas (Spain).
470,261 m² in six levels



Thanks to
ACCIONA Infrastructure's
innovation capacity and
tenacity it has expanded
and consolidated its
specialization
with metallic structures

Metallic structures

PROPRIETARY TECHNOLOGIES FOR AN ACTIVITY IN CONSTANT EXPANSION

ACCIONA Infrastructure boasts best-in-class means for metallic structure manufacturing and assembly.

The Metallic Structures department has been demonstrating its great capacity for innovation for many years and its sustained efforts have resulted in ongoing business expansion.

ACCIONA Infrastructure has developed proprietary technologies applied to:

- Support beams for metal and concrete bridges
- Sliding and special formwork
- Mechanization of installations
- Special maneuvers
- Major structure projects

These innovations have allowed the company to respond successfully to the ever-demanding needs of the market in this industry.

The Metallic Structures department has more than 6,000 m² of warehouses and 100,000 m² of land.

Placement of prefabricated pieces. Tenerife Auditorium by
Santiago Calatrava. Spain







Palacio de los Deportes (Sports Pavilion)
in Madrid (Spain)
4,000 tons of hot-rolled steel
and 8,000 tons of corrugated steel



Arganzuela Monumental Footbridge
Madrid Río, Madrid



Malaga-Granada High-speed rail
Section: Antequera-Peña de los Enamorados.
Malaga (southern Spain)

ACCIONA CONCESSIONS

WE MANAGE PUBLIC AND PRIVATE PROJECTS

ACCIONA Concessions is a world leader in the private development of infrastructures, both in number of projects and turnover. It has an accumulated experience of 34 concessions.

This division was created to become a domestic and international leader in the comprehensive management

of infrastructure projects, including design, construction, financing, operation, maintenance and facility management. It does so through the concession formula in the social infrastructure and transport infrastructure areas.

ACCIONA Concessions includes ACCIONA Hospital Services, which focuses on

hospital concessions, a model that is catching on in recent years in the health sector.





ACCIONA Engineering

ACCIONA Engineering is considered one of the companies with the highest professional ability to take on projects of great technical complexity and high volume in any field of civil or industrial engineering.

It boasts teams who are highly qualified in the development of urban and interurban road works, structures, civil and industrial architecture, maritime and hydraulic works, environment,

landscape engineering, renewable energy and industrial projects. In these areas, ACCIONA Engineering handles everything from large-scale EPC-type projects to the most advanced technical designs.

ACCIONA Engineering currently has subsidiaries in Brazil, Gabon, Poland, Canada, Mexico, Saudi Arabia and Qatar. It also boasts an extensive network of branches in Honduras,

Guatemala, El Salvador, Nicaragua, Colombia, Ecuador, Peru, Bolivia, Romania, Bulgaria and Egypt, a true reflection of the internationalization efforts in recent years and the professional recognition derived from exporting its know-how worldwide.





ACCIONA Installations

ACCIONA Installations includes a series of civil and industrial activities aiming to address society's current and future needs. Its business is structured in two main groups:

■ **Infrastructure Division.** Includes activities related to engineering development, assembly execution, commissioning, legalization and maintenance of air conditioning, LV and MV electrical systems, security and control, communications, fire detection and protection, plumbing, hot water, solar thermal and PV installations in all kinds of structures and civil works, public and private.

It also designs and executes auxiliary facilities for industrial works, including those for channelling, pumping and controlling gases and liquids, assembly of structures, connecting, hook-up, electrical and electro-pneumatic control, instrumentation and lighting.

■ **Energy Division.** This division focuses on power production, transportation (overhead and underground), processing and distribution for voltages up to 400 kV. The Energy Division can undertake many types of projects, including Civil Engineering, Electromechanical and Control Assembly, Testing,

Commissioning, and Maintenance of the following: Electrical Substations, Transformers, Overhead & Underground LV, MV and HV power lines and communication networks. Its clients are the main electrical energy distributors in Spain.





Other specialized companies ACCIONA Infrastructure

ACCIONA Maintenance and Infrastructure

executes works and provides comprehensive maintenance for road, hydraulic, environmental infrastructures and, in general, the development of conservation-related activities, primarily publicly-owned infrastructure.

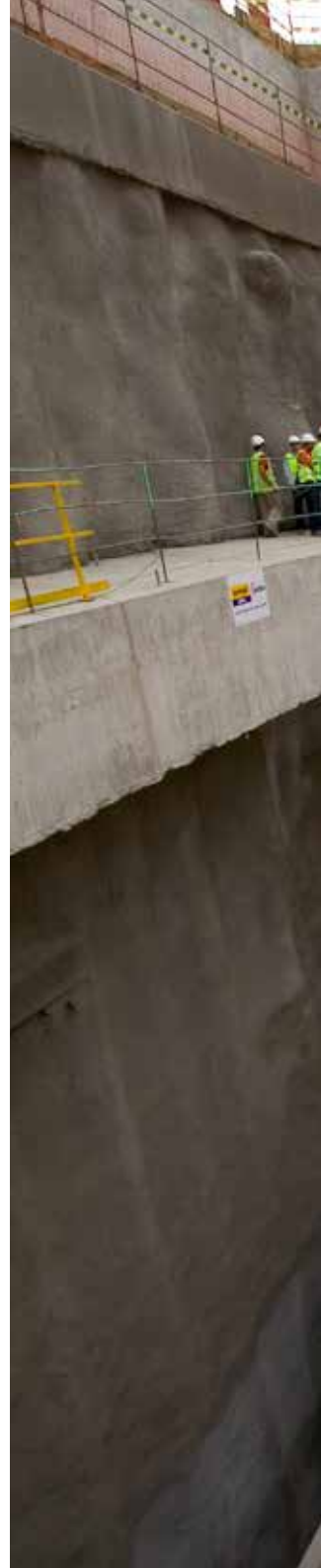
It is important to mention that the Machinery Service is dedicated to managing this important asset and making it accessible to

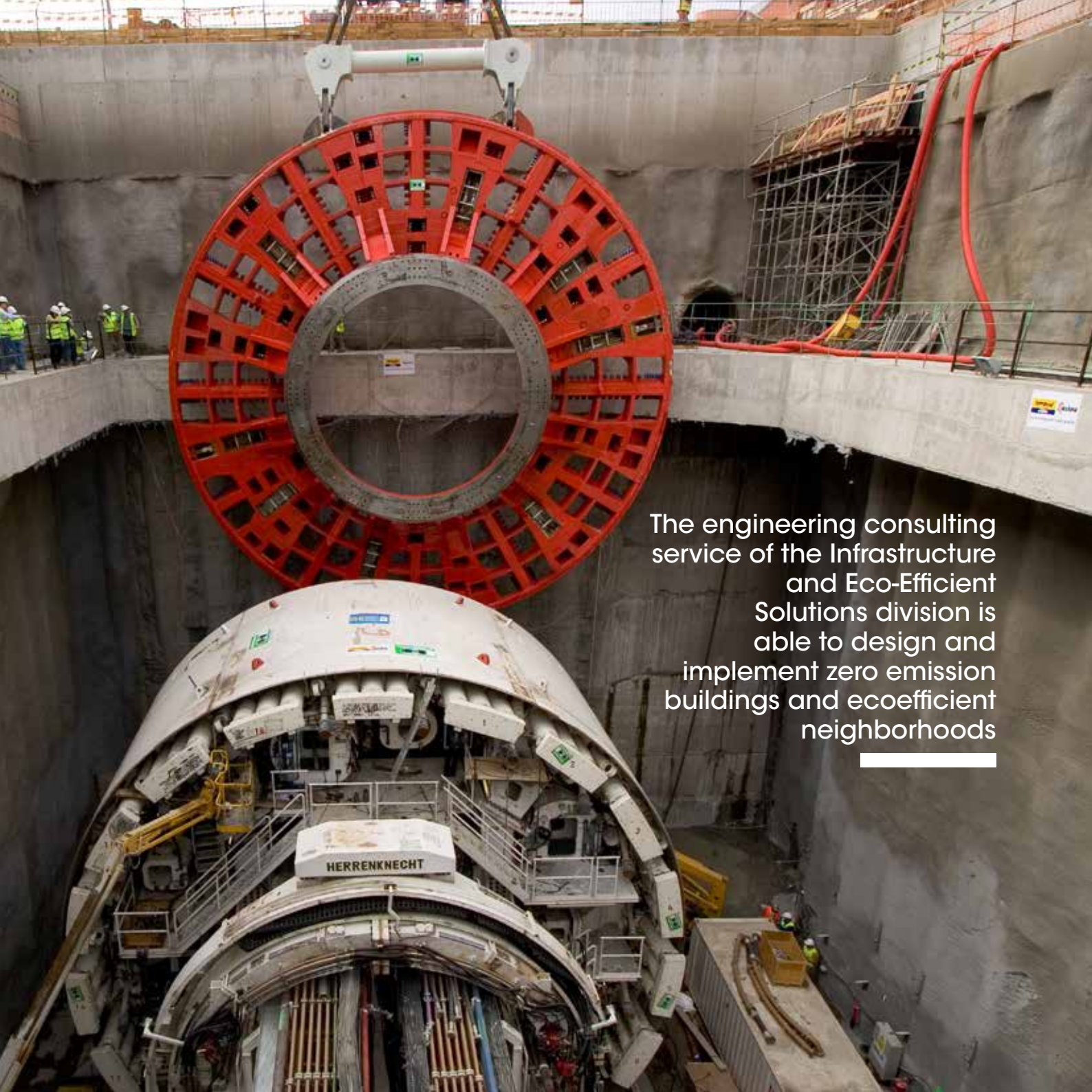
all players involved in the works. Our technical staff therefore prepare comprehensive plans for work mechanization, advise on the most appropriate equipment and supply the necessary machinery for proper execution, both for itself and third parties.

The services it offers include the provision of topographic equipment and measuring equipment, the provision of ancillary, cleaning, transportation, refueling

and concrete pumping machines. It also studies and handles complete project units: primarily production of aggregates, concrete and asphalt mixes, earthmoving and paving.

Assembly of the 15.20 m OD Dulcinea TBM for construction of the southern by pass for the M-30. Madrid (Spain)





The engineering consulting
service of the Infrastructure
and Eco-Efficient
Solutions division is
able to design and
implement zero emission
buildings and ecoefficient
neighborhoods



A vertical photograph on the left side of the page showing the cables of a bridge at night, illuminated with blue light against a dark sky.

The **FREYSSINET GROUP Spain** is composed of companies with a broad range of specialized products and services in the construction sector.

It operates through the Freyssinet, Tierra Armada and Menard brands, industry heavyweights.

Freyssinet gets involved on projects that require the use of stays, pre-stressed anchors and heavy loads; repair and rehabilitation of buildings and structures; design and manufacture of special aids

such as structural supports, half-spaces, and seismic dampers.

Tierra Armada develops precast element projects with high technological value, such as reinforced earth and abutment retaining walls, vaults and caissons, sound-absorbing screens, precast beams and turnkey prefabricated structures, which greatly facilitate works management.

Menard studies, sizes and executes soil treatment and special foundation solutions.

These solutions help reduce the total cost of the foundation elements and the execution times of the works.

We can highlight soil treatment by dynamic compaction or gravel columns and semi-rigid inclusions with lateral displacement (controlled mold columns).



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