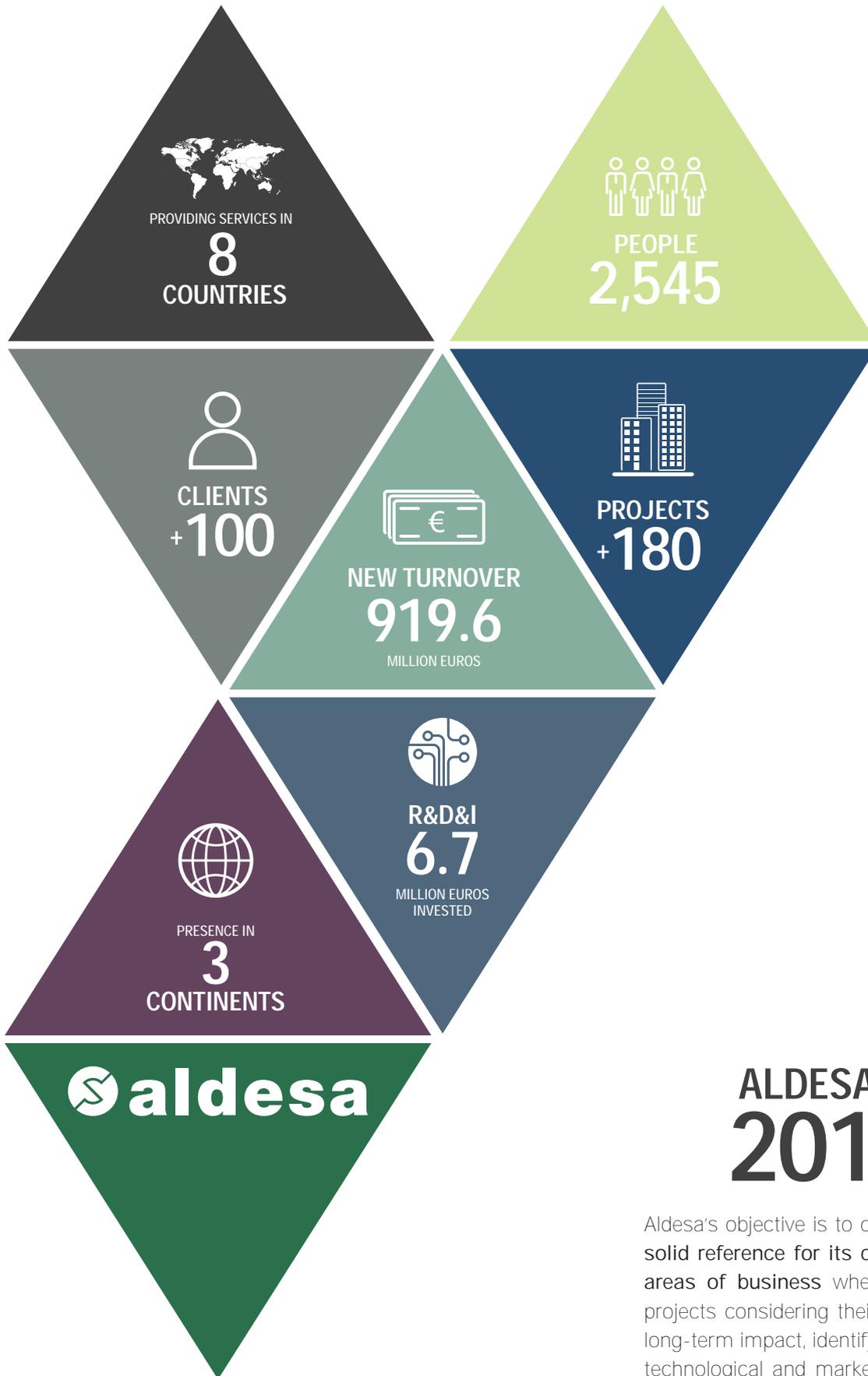


ANNUAL  
REPORT | 2017  
creating value



 **aldesa**

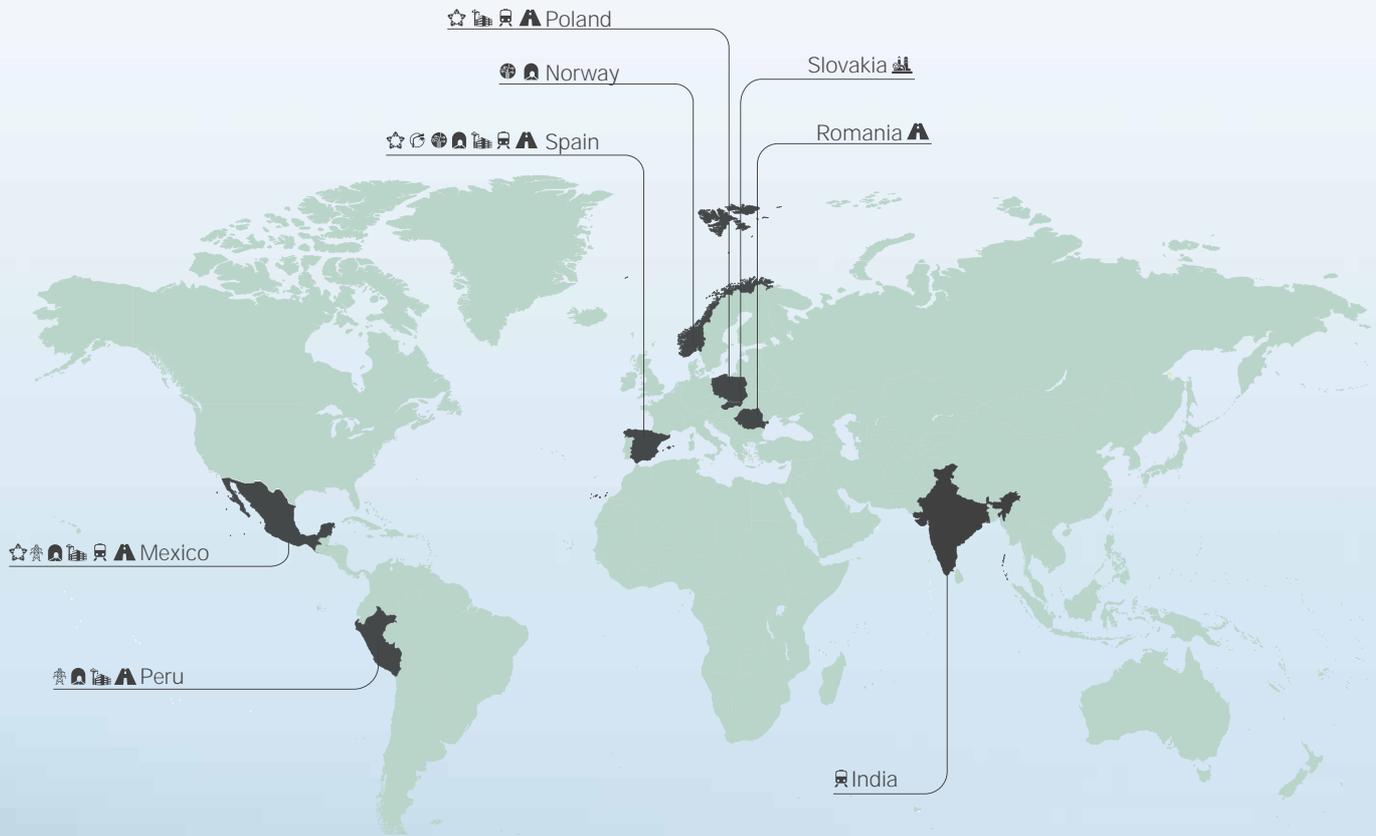




## ALDESA IN 2017

Aldesa's objective is to continue to be a solid reference for its clients in all its areas of business when executing its projects considering their medium- and long-term impact, identify and anticipate technological and market changes, and work for the benefit of the development of infrastructure worldwide.

# GEOGRAPHIC DIVERSIFICATION



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04

## DIRECTORY



# LETTER FROM THE CHAIRMAN

In the last decade, Grupo Aldesa has positioned itself in international markets in Europe, Latin America, and Asia. It is a global presence on three continents and in eight countries that is possible thanks to the export of our know-how and to the trust placed in us by private institutions and companies. This trust, which we refer to in our presentation as a company, "Building Trust," is what compels us to continue generating value and offering customers comprehensive solutions in construction and industrial and investment activities.

## *Diversification and specialization as keys to making a difference*

The diversification of activities in the different countries in which we operate has allowed us a gradual growth that today offers, in addition to a portfolio of specializations in different sectors, an integrated package that responds to the needs of each client.

The agility to execute projects of great technical significance with adequate and customized solutions joins together with the capacity of a Group that has different specialized companies that contemplate the technological, tunnel, conventional and high-speed rail sectors, as well as renewable energies.

With specialized companies in each sector, we have been able to execute outstanding projects in Latin America and Norway in the past year with the exportation of tunnel boring technology. In the case of Renewable Energies, we have large projects in wind and photovoltaic energy; one of them is under development and considered one of the largest clean energy works in Latin America for its 800 hectares. With these clean energy works, Aldesa has reached a total installed capacity of 900 MW.

Another strong point in the last year has been Building, with the specialization of unique buildings as top-class hotel resorts that allow us to have a portfolio that exceeds 2 million square meters.

These are challenges that we have overcome this year that encourage us to look at the future in an optimistic but realistic way, thinking about how we can generate more value for our clients in all the activities we carry out.

Alejandro Fernández Ruiz  
Chairman  
Grupo ALDESA



# WE ARE ALDESA

## LEADERSHIP AND AGILITY

At Grupo Aldesa we are close to reaching 50 years of history in which we have grown to have a presence on 3 continents, with the execution of more than 2,000 works worldwide. We have developed as a company, both in diversification of services and locations, becoming a Global company while maintaining our essence of closeness to the customer and agility when giving answers and solutions. In this way we maintain a balance that offers integral solutions of great technical complexity and develop large-scale projects maintaining that quality and confidence that defines us.

With each of our works, we find a new lesson that has challenged us to keep improving in the present and in the future. For this reason, a long time ago we proposed the challenge of having procedures and guidelines that create a clear work culture and that make known our solid experience as well as our agility in the sector and that, of course, lasts year after year.

Today, we can talk about internal tools that speed up our day to day and that establish our work philosophy. They are policies that prevent possible bad practices and that are included in the Compliance Plan and the Code of Ethics, both of which must be complied with and extended to all our stakeholders. These policies and internal trainings influence prevention and transfer values to the team so that we have responsible and committed people. In this sense, we will continue working, developing new projects, and learning from them, along with the team that forms ALDESA, because ALDESA are the people who make it possible for leadership, agility, resolution, and the results we are talking about to become a reality and a commitment.

**Matilde Fernández Ruiz**  
Managing Director of Corporate Affairs  
Grupo ALDESA



# LINES OF BUSINESS

Aldesa's extensive experience in the construction of complex projects that require specialization and operational diligence make it a benchmark in commitment, profitability, and personalized customer service, without neglecting to mention the efficient management of deadlines and the continuous search for improvements in the processes.

Through **ALDESA CONSTRUCCIÓN**, all work is carried out in the Group's main activity sector: civil works infrastructures, unique and residential buildings, and renovations, providing each project with innovative and profitable solutions tailored to each client. The joint activity with other specialized companies of the Group also contributes to providing an important added value to the projected and executed works.

**PROACÓN** specializes in the execution of tunnels for conventional and High Speed railways, urban metro, freeways and highways, hydraulic works, as well as mining operations. It completes its portfolio with works related to soil mechanics and special foundations.

**COALVI** contributes its experience mainly in its specialization in construction, repair, and conservation in railway works (track, electrification, tunnels, and infrastructures) for the High Speed and conventional networks or metropolitan line infrastructures.

**ALDESA INDUSTRIAL** focuses all of Aldesa's activities in the field of applied engineering, providing tailored, integrated services in projects of high technological and innovative content through its **SOLUCIONES TECNOLÓGICAS** division. It designs turnkey projects, such as electrical, mechanical, and special installations, all phases of energy projects, traffic management systems, lighting installations, engineering and software applied to airport sectors, as well as security systems and installations in buildings.

**ACISA** specializes in large transport, traffic, lighting and security system infrastructures. It is a benchmark in the market for the start-up and maintenance of traffic management centres in some of the main Spanish cities. It also envisions the projection and development of the smart cities of the future.

Grupo Aldesa was strongly committed to the operation and maintenance activity of **ALDESA CONCESIONES**, growing notably in recent years with the development primarily of transport infrastructures in Spain and Mexico, although renewable energy facilities have also been incorporated.

In Spain, Grupo Aldesa's real estate activity is concentrated in the company, **ALDESA HOME**, which carries out all the activities related to this field: from the purchase of land for development to the direct sale to the customer and after-sales services. At the same time, it performs the integral management of real estate projects for third parties.

**aldesa**  
Construction

- ▶ Building
  - Unique building
  - Residential building
  - Refurbishment
- ▶ Civil Works
  - Railway works
  - Motorways and roads
  - Airport projects
  - Hydraulic works
  - Maritime works
  - Urban development work
  - Underground works



**aldesa**  
Industrial

- ▶ Installations
  - Electrical
  - Mechanical
  - Optical fibre
  - Industrial premises
- ▶ Energy
  - Power lines & substations
  - Generation
- ▶ Transport
- ▶ Smart cities
- ▶ Communications & Equipment
- ▶ Security & Control systems



**aldesa**  
Investment activities

- ▶ Concessions
  - Roads
  - Public buildings (courts)
  - Sport facilities (marina)
- ▶ Real Estate
  - Development management
  - Rental & sale
  - In-house real estate
- ▶ Renewable energy
  - Wind farms







# 02

## ACTIVITY REPORT

# 2.1

## ACTIVITY REPORT BY GEOGRAPHIC MARKETS

### A GLOBAL GROUP

In the last decade, Grupo Aldesa has managed to diversify and position itself in international markets in Europe, Latin America, and Asia. Thus, thanks to the trust placed in by institutions and private companies that have awarded the company outstanding projects in Mexico, Aldesa is a benchmark in underground construction activities, where it exported tunneling technology, and has developed some of the most relevant projects. In the last year, the hotel construction in 4 and 5 star luxury resorts, the construction of residential and corporate offices or the development of renewable energy projects, have placed the private client as key in its expansion and development.

In Poland, Aldesa has maintained its determining strategy by taking advantage of the synergies of the different areas and the knowledge of the sectors in which it is already present. The company is firmly established in the private and public building market, with the execution of projects in which it demonstrates its optimal construction technique, as well as in the Polish energy sector. It is also applying its experience in the field of intelligent traffic





management systems with its own technology, and in the field of civil works with the construction of roads and railway works. Due to geographical proximity, it is worth highlighting the consolidation in 2017 of the operations in Slovakia, resulting from the loyalty of strategic customers, with the construction of plants and facilities for industrial manufacturers linked to the automotive sector, which are very powerful in this country.

Aldesa maintains its presence in Peru with building and industrial projects. During the year 2017, it has stood out for its unique buildings, such as the JDA 700 offices in Lima, a building created with the concept of eco-efficiency in mind, with Leed certification and incorporating the most advanced technology and security, and the construction in consortium of the MUNA (National Museum of Archeology of Peru) which will be the largest archaeological museum in Latin America dedicated mainly to the pre-Columbian and Inca period. In the industrial field, the expansion of the Chalhuanayo II hydroelectric plant in Satipo and the actions in Arequipa for SEAL in the field of electrical substations and transmission lines stand out.

The Group is also present in other geographic markets, which were implemented after thoroughly studying the business risks and the real business opportunities in each of these countries, with highly specialized projects. Such is the case of Romania, a market with great potential for Aldesa given its experience in the construction and expansion of highways and freeways. They are running, along with Comsa and the local company Teloxim, a 21.14 km section of highway that will link the towns of Lugoj and Deva (Transylvania) to the National Highway and Freeway Company.

Aldesa is also one of the most experienced groups in Spain in the field of railways. India offers a partner with total trust and soundness, Tata Projects, for the execution of an ambitious project, valued at more than 600 million dollars and promoted by the Dedicated Freight Corridor Corporation of India Limited (DFCC), under the Ministry of Railways. It deals with the design and construction of 343 km of railway line between Bhaupur and Khurja (Uttar Pradesh State), in the Eastern Corridor of the country.

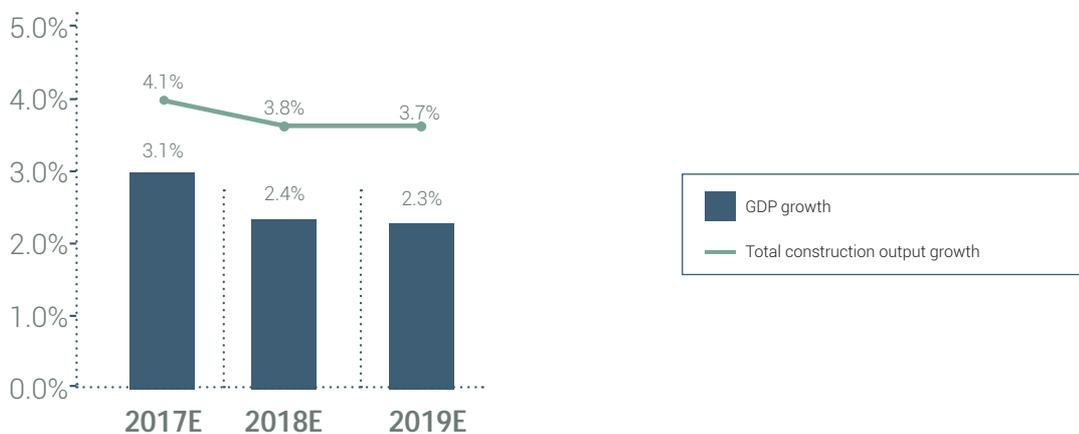
The Group is still committed to the infrastructure market in Norway, whose newly launched and ambitious government modernization program offers numerous opportunities for companies such as Aldesa, capable of adapting both to the magnitude and complexity of the projects as well as to geographic and climatological conditions. Currently, Aldesa is developing two projects of different levels of complexity: the Harstad road tunnel, 1.4 km long and contracted with the Statens Vegvesen, and the facilities in the 3.7 km Hvaler underwater tunnel, consisting of the installation of an automatic incident detection system.



# SPAIN

## SECTORIAL TRENDS

### GDP AND TOTAL CONSTRUCTION OUTPUT (%)



### TOTAL CONSTRUCTION OUTPUT (€ B)



# SPAIN

## CONSTRUCTION



### RAILWAY WORKS

PROJECTS	CLIENT	VALUE CREATION
Platform of the Cernadilla-Pedralba de la Pradería subsection, belonging to the Zamora-Lubián section of the Madrid-Galicia High-Speed Line	State Transport Infrastructure Corporation (SEITT)	Construction of 19.1 km of new railway platform, which includes the construction of 5 viaducts, 2 tunnels (Otero, at 1,144.5 metres, and Puebla, at 1,498.5 metres), 10 road and highway overpasses, 5 underpasses, 4 animal overpasses, and Automatic Train Supervision (ATS) Control Units. The Puebla-Este viaducts, at 756 metres, stand out in the execution of the works, as well as that of Palacios, at 419 metres.
High-Speed North-Northwest Corridor platform construction. Madrid - Galicia High Speed Line. Section: Lubián - Túnea de la Canda. Lubián-Túnel de La Canda (Zamora) double sub-section tunnels corresponding to the Madrid Galicia High-Speed North-Northwest Corridor	ADIF	The section includes independent tracks for the right and left track with a total length of 3,230 metres on the right track and 3,065 metres on the left track. It is comprised of 4 tunnels, with a length of 5,039 metres; 4 viaducts with a length of 860.5 metres; 1 bridge; 6 connection galleries between twin tunnels and 3 walls, 31 new roads; drainage, environmental integration, replacement of services affected by the integration of the new activity. Regarding the tunnels, they are practically parallel, each with a left and right lane, with respective lengths of 870m and 630m; Hedroso at 1,604m and Lubián at 1,614m. Both tunnels have five connecting galleries between them, with a total length of 578 m.
Infrastructure maintenance services, track and track devices, Aragon and Catalonia high-speed line. Maintenance of the Madrid-Figueras High-Speed Line	ADIF	Services for maintenance, repair, conservation, infrastructure monitoring, track and track devices, Madrid-Zaragoza-Barcelona-French Border high-speed line. Scope: bases in Montagut, Vilafranca and Sant Feliú.
Mediterranean Corridor Railway Connection Madrid-Barcelona- French Border High Speed Line	Ministry of Public Works	Construction of a section of the new layout of the Mediterranean railway corridor.
Pre-maintenance and maintenance of infrastructure, track, and track devices. High Speed Lines Madrid-Basque Country-French Border and North-Northwest Corridor. Valladolid-Burgos and Venta de Baños-León sections	ADIF	Newly-commissioned AVE line maintenance activity in the scope of the Villada base.

PROJECTS	CLIENT	VALUE CREATION
CTT SAMPER Maintenance	Private	A1:G169 SAMPER Maintenance.
Trench treatment, Ripoll (Girona)	ADIF	Treatment and consolidation of trenches in the included section between the kilometre points 315+480 and 324+300, Ripoll (Girona).
Track gauge assembly in AVE in the section of the Cambrils-Perafort (Tarragona)	UTE Corridor Mediterranean	Track mounting on ballast.
Limited treatment of trenches Temporal Speed (LTV) among Short-distance trains	ADIF	Repair works or slope reinforcement that, as a consequence of the inspection campaign of all the esplanades of the conventional Network and the ADIF Metric Width Network, are considered as priorities and necessary to reduce the risks of trench landslides and to eliminate temporary limitations of speed in the suburban hubs managed by ADIF in the Conventional Network and in Metric Width.
Track execution in the Vandellós-Cambrils (Tarragona)	UTE Corridor Mediterranean	Track mounting on ballast.
Extension and adaptation of installations railways	Private	Track construction on ballast and concrete track. Execution of large concrete slabs for the storage of maritime containers.
Maintenance of the Gabaldón-Alicante section on the Madrid-Castilla High-speed line La Mancha-Comunidad Valenciana-Region of Murcia	ADIF	Infrastructure maintenance services, track, and High-speed diversions on the Gabaldón (Cuenca) -Alicante section.



PROJECTS	CLIENT	VALUE CREATION
PTPIV and Incidents batch B3- GER. MTO. ZGZ	ADIF	PTPIV and incident works of batch B3-GER. MTO. ZGZ.
Plan for the preventive treatment of infrastructure, track, and corrective interventions in the area of Zaragoza's maintenance authorities	ADIF	Preventive treatment plan for infrastructure, track, and corrective interventions in the area of Zaragoza's maintenance authorities.
New Levante High-speed rail access. Madrid-Castilla La Mancha- Valencian Community - Region of Murcia. Section: access to Murcia and waterproofing of the railway line	ADIF	Execution of the new High-Speed access to the city of Murcia and the reorganization of traffic in the conventional network. Entails the remodelling and extension of the historic building of the station, modification of the current railway and platform yard, execution of the underground access channel, and renovation of the tracks and the modification of their width along 2 km to allow access to any type of unit to the station.



## ROADS AND MOTORWAYS

PROJECTS	CLIENT	VALUE CREATION
Conservation and functioning on the A-66 Route of Ruta de la Plata: O-11 East access to Oviedo; O-12 South access to Oviedo; A-63 Motorway Oviedo- La Espina and N-630 Gijón to Port of Seville (Asturias)	Aceinsa Movilidad, S.A. Temporary Union of Companies	Operation of conservation and functioning in the Network lines of State Roads included in the O-2 sector of Asturias, with an equivalent track length to conserve of 136.10 km. It also includes the residual sections used as roads, service roads, and other state-owned roads. It also includes 8 tunnels with a total length of 2,653 metres, highlighting the El Padrún tunnel of 1,782 metres. On the N-630, the presence of Port of Pajares stands out with specific equipment for winter road safety.
Conservation and exploitation on the roads in the province of Ourense	Directorate-General of Roads (Ministry of Public Works)	Execution of various conservation and exploitation operations on the A-52. Rías Bajas motorway, km. 122.200 to 176.000; N-525 Zamora to Santiago, km. 115.100 to 229.000; N-532 Verín to Portugal border, km. 0.000 to 14.900 and A-75 Verín-Feces de Abajo highway, km. 0.000 to 12.800.
Burgos ring road (BU-30), Villalbilla de Burgos-Quintanadueñas section	State Transport Infrastructure Corporation (SEITT)	9 km section where the twelve projected viaducts and seven underpasses stand out.

PROJECTS	CLIENT	VALUE CREATION
Sarria-Monforte Corridor. Section II: Noceda-A Aspera (Lugo)	Department of Territorial Policy, Xunta de Galicia Public Works and Transport	Construction of the 9.3 km Noceda-Aspera section corresponding to the Sarria-Monforte (Lugo) Corridor, where its 6 viaducts stand out, one of them at 245 metres long on the Noceda river.
Slope stabilization CN630 PK 85.250 Port of Pajares (Asturias)	General Road Demarcation	Slope stabilization at kilometre 85.250 of the CN-630 in Port of Pajares.



 **HYDRAULIC WORK**

PROJECTS	CLIENT	VALUE CREATION
Construction project work to supply irrigation water with reusable water. Irrigation water supply network with reclaimed water, Valdemoro (Madrid)	Canal de Isabel II Gestion	Construction project to supply irrigation water with reusable water. Construction of the irrigation water supply network with reclaimed water.

PROJECTS	CLIENT	VALUE CREATION
Irrigation water supply network with reusable water, Rivas Vaciamadrid (Madrid)	Canal de Isabel II Gestion	Execution of reuse infrastructures necessary for irrigation.
Itemized hydraulic-sanitary restoration project of the Casaño river between the towns of Poo and Arenas de Cabrales (Asturias)	Cantabrian Sea Authority	Works to collect the discharges to the river Casaño and take them to the WWTP built in the town of Arenas de Cabrales. It also includes hydraulic management actions associated with sanitation activities. The works are intended to protect the flood regime, reduce the risk of damage, and ensure the quality of the water needed in a river considered a Site of Community Importance (SCI) of the Natura 2000 NETWORK.





## URBANIZATION

PROJECTS	CLIENT	VALUE CREATION
Urbanization execution unit "Sector R-21" of the General Plan for Urban Planning of Bétera (Valencia)	Private	The scope of activity of the urbanization is 194,361 m <sup>2</sup> .



## UNDERGROUND WORK

PROJECTS	CLIENT	VALUE CREATION
Cernadilla-Pedralba de la Pradería tunnel subsection belonging to the Zamora-Lubián section of the Madrid-Galicia High-Speed Line	UTE Cernadilla	Execution of the Otero tunnel, double section for circulation in both directions, with 990 meters in length and a section of 142 m <sup>2</sup> .



## RESIDENTIAL BUILDING

PROJECTS	CLIENT	VALUE CREATION
Single-family homes in La Moraleja, Alcobendas (Madrid)	Private	Construction of 80 single-family homes, garage, parking, pool, and social club.
Getafe Homes, Madrid	Private	Construction of 215 homes, garages, and storage rooms.
Atocha 4 Homes, Móstoles (Madrid)	Private	Building construction with 139 homes, garages, storage rooms, and common areas.
Jardines de Buenavista Home, Getafe (Madrid)	Private	Execution of 100 high-rise homes in a free residential system. It includes a semi-Olympic size swimming pool, garage, one storage room per house, common garden space, several sports areas, and a children's play area.
Tempranales Homes, San Sebastián de los Reyes (Madrid)	Private	Execution of project of 75 high-rise homes of a free, collective, residential system, garage, and storage rooms.
Santa Eugenia Homes, Madrid	Private	Building construction consisting of 132 homes, 248 underground parking spaces, and 132 storage rooms, common areas, exterior urbanization, padel court, and swimming pool.



PROJECTS	CLIENT	VALUE CREATION
Boadilla del Monte Homes (Madrid)	Private	Construction of 61 homes with swimming pool, equipped children's play area, padel court, gymnasium, and multi-purpose hall.
Villa Pepita Homes, Almería	Private	Execution in two phases: the first will have 76 homes, 76 garages, and storage rooms, 2 commercial premises; the second with 49 homes, garages, and storage rooms on the seafront of Almeria. It has common areas, terraces, shops and a rooftop pool.
Litoral Homes, Málaga	Private	Execution of promotion composed of 144 homes, 202 underground parking spaces, storage rooms, common areas, exterior urbanization, playground, and pool.
Badalona Homes, Barcelona	Private	Construction of 61 homes, garages, storage rooms. and common urbanized area at the port of Badalona.
Malaga Homes	Private	Construction in two phases of 48 and 42 homes respectively, with storage, underground and surface parking, and private community development.
Valdebebas Homes, Madrid	Private	Construction of 73 homes, business spaces, garage, storage rooms, and common areas.
Sant Adrià de Besós Homes (Barcelona)	Private	Construction of 86 homes.
Butaque Homes Villaverde, Madrid	Private	Construction of 54 capped price protection social housing, garages, and storage rooms.

PROJECTS	CLIENT	VALUE CREATION
Hospitalet Homes (Barcelona)	Private	Building execution of 40 homes, parking, business spaces, commercial spaces, plus another 40 houses subject to optional status.
Las Zanjas Norte Homes, Valdemoro (Madrid)	Private	Construction of 47 homes, garage spaces, storage rooms, and common areas urbanized.
Condomina 50 Homes, Alicante	Private	35 homes, garages, storage rooms, and common areas.
Vallecas Homes, Madrid	Private	Construction of 34 homes, storage rooms, garage spaces, business spaces, and common area.
Benalmádena Homes (Malaga)	Private	Construction of 39 homes, parking spaces, and storage rooms.
Lérida Homes	Private	Promotion of 30 houses with private garden on the ground floor and terraces on the higher floors. There are also 60 garages distributed between 2 basements and one storage room per house. The promotion has a community swimming pool in a gated community.
Sant Feliú de Llobregat Homes (Barcelona)	Private	Residential area consisting of 31 homes, 68 garage spaces, storage rooms, and commercial areas with an estimated area of 551 square Metres built and closed and will be completed with an exterior community area, with garden, playground, and swimming pools.
Mirador de Fuentes Blancas Homes, Burgos	Private	Promotion of 59 homes with their respective parking spaces distributed between two independent basements, as well as one storage room per home.
San Cosme Homes, Valdemoro (Madrid)	Private	The promotion consists of 76 homes, with their corresponding storage rooms, and 133 garages distributed among three levels. It also has large common areas with a swimming pool, padel court, and playground, as well as large community areas, in a gated community.
Montcada i Reixac Homes (Barcelona)	Private	Promotion of 38 homes in gated community with community pool, playground, equipped gym, and community room. 38 parking spaces have also been planned, distributed within a single basement and two commercial premises.
Teatinos Homes, Málaga	Private	Promotion of 65 homes distributed among 6 floors above ground and an attic floor, 65 storage rooms, 108 parking spaces, and 1 commercial space. Garage spaces and storage rooms are distributed among two basements and the ground floor, common areas and covered pool.
Valdemoro Homes (Madrid)	Private	The promotion consists of 43 homes, with their corresponding storage rooms, and 79 parking spaces distributed between two levels. It also has large common areas with a swimming pool, padel court, and children's playground, as well as large community areas, in a gated community.

PROJECTS	CLIENT	VALUE CREATION
Sotogrande Homes (Cádiz)	Private	Construction of the 176 luxury home residential complex, "La Finca by Kronos Homes."
Alcalá de Henares Homes (Madrid)	Private	Construction of 100 homes, 75 storage rooms, and 150 garage spaces in conjunction with the urbanization of phase II of P.E.R.I 13 of the zone 13 C of the PGOU of Alcalá de Henares.
Hospitalet de Llobregat Homes (Barcelona)	Private	Demolition, earthworks. Foundation, structure, steel work, installations, and finishes of a multi-family building with 97 homes, car parks, commercial premises, according to the project written by a third party.
Malaga Homes	Private	Construction of a residential complex comprised of 167 homes with 167 storage rooms and 346 parking spaces, swimming pool, and common areas.
Central Park Apartments, Estepona (Malaga)	Private	Construction of 112 apartments, commercial premises, garages and storage rooms.



## NON-RESIDENTIAL BUILDING

PROJECTS	CLIENT	VALUE CREATION
Stella Maris School Phase II, Madrid	Private	Reform and expansion of educational centre.
Expansion and reform of shopping centre, Aldaia (Valencia)	Private	Creation of a restoration area on the first floor of the building, carrying out the necessary modifications in the areas of the atrium, south ring, shopping gallery, and underground parking.



PROJECTS	CLIENT	VALUE CREATION
A Corveira Health centre, Culleredo (Coruña)	Servizo Galego de Saúde (Xunta de Galicia)	Construction of a health centre with health services distributed over a total area of 1,932 m <sup>2</sup> .
Reform works second phase of the CSIC, Barcelona	State Agency Superior Council for Scientific Investigation (CSIC). Ministry of the Economy and Competitiveness	Reform works second phase of the Research and Development Center.
Rehabilitation of the building on Calle Granada, Malaga	Private	Rehabilitation of the old Palace of Marqués de la Sonora and its adjacent property, from the 18th century, and example of civil architecture, for its adaptation to a hotel.
Adaptation of building for establishment hotelier, Seville	Private	Adaptation and change of use of the office to a third-party group with hotel establishment and commercial premises.
Expansion of shopping centre, Malaga	Private	Execution of works for the construction of an "Outlet Center" in the commercial area and urbanization.

# SPAIN

## INDUSTRIAL



### TRAFFIC AND LIGHTING

#### PROJECTS

#### CLIENT

#### VALUE CREATION

Conservation, maintenance, and renovation of public lighting installations, Seville

Seville City Council

Carrying out the necessary work to guarantee the continuity of the existing public lighting service (eliminating malfunctions, corrections, controls, replacements, etc.), as well as maintenance of the installations and their technical and economic operation.

Projection, construction, conservation, maintenance, modernization and use of all types of infrastructures and buildings (Barcelona)

Generalitat de Catalunya Infrastructure

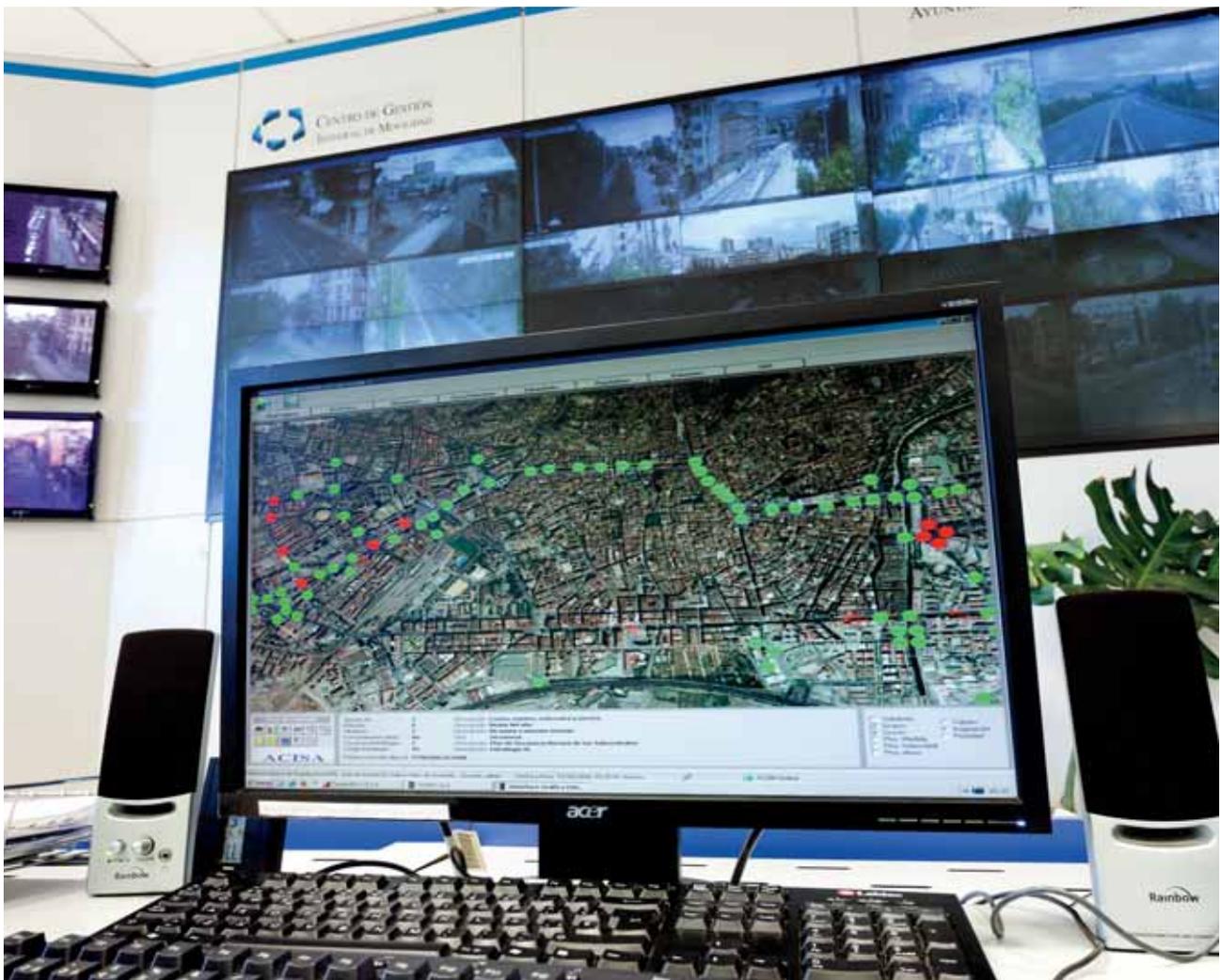
Execution of works to improve road safety and mobility of the C-55 / C-16 / C-58 corridor in Bages. Implementation of road safety and mobility management systems. Section: Tarrasa-Abrera-Manresa.

PROJECTS	CLIENT	VALUE CREATION
Conservation, maintenance, and renovation of public lighting installations, Seville	Sevilla City Council	Carrying out the necessary work to guarantee the continuity of the existing public lighting service (eliminating malfunctions, corrections, controls, replacements, etc.), as well as maintenance of the installations and their technical and economic operation.
Projection, construction, conservation, maintenance, modernization and use of all types of infrastructures and buildings (Barcelona)	Generalitat de Catalunya Infrastructure	Execution of works to improve road safety and mobility of the C-55 / C-16 / C-58 corridor in Bages. Implementation of road safety and mobility management systems. Section: Tarrasa-Abrera-Manresa.
Lighting maintenance in the western area of Barcelona	Private	Supply, installation, repair, and maintenance of systems applied to regularisation, traffic control, and public lighting in the western area of Barcelona.
Conservation, maintenance, and installation services for regulation, control, and traffic management elements, Granada	Granada City Council	Conservation, maintenance, and installation services for regulation, control, and traffic management elements.
Maintenance of the traffic light installations and of the security elements of the Municipal Police building, Tarrasa (Barcelona)	Tarrasa City Council	Traffic light installations with variable and dynamic signalling, access control for pedestrian streets, and to all information systems in general, control and management of mobility, ownership, or municipal competition, as well as mobility management rooms and 092 and their communication elements, as well as all the security elements of the Municipal Police building.
Traffic light signalling on the Granada Light Rail	Junta de Andalucía Railways	Light signalling on the Granada Light Rail.
Alicante traffic maintenance	Alicante City Council	Alicante Traffic maintenance.
Conservation and support for the operation of road network tunnel installations, Barcelona	General Secretariat of the Barcelona City Council	Integral maintenance services of the tunnels of the basic road network, in order to guarantee the correct functioning and the state of conservation of the infrastructures and facilities, as well as of the equipment and systems that make up the hardware and software of the control systems.



PROJECTS	CLIENT	VALUE CREATION
Street lighting, Barcelona	Generalitat de Catalunya	Execution of conservation operations of the lighting and traffic light installations on the roads assigned to Barcelona's Road Service Department.
Management of public services of different traffic light installations, Cerdanyola del Vallès (Barcelona)	Cerdanyola del Vallès City Council	Management of public services of different Traffic light installations that include the conservation, maintenance, repair, replacement, improvement, and complementation of the different elements that make up the traffic control network of the municipality.
Conservation and exploitation ITS DGT Malaga	Ministry for Home Affairs	Services, works, and supplies for the conservation and use of ITS facilities on the roads managed by the Southeast Traffic Management Centre, based in Malaga.
Maintenance of Traffic and Control Room Almería	Almería City Council	Service of operation of the Traffic Control Centre of the city of Almería, of the service of conservation, maintenance, repair, replacement for collisions and vandalism of the various elements of the traffic light system, and supply of equipment and traffic control systems necessary for expanding the current system of the municipality's public roads.

PROJECTS	CLIENT	VALUE CREATION
System maintenance services of the Granada metro	Agency of Public works of the Junta de Andalucía	Maintenance services for Line 1 systems Granada metro.
Conservation, maintenance, and renovation of public lighting installations, Granada	Granada City Council	Carrying out the necessary work to guarantee continuity of the existing public lighting service (elimination of malfunctions, corrections, controls, replacements, etc.), as well as maintenance of the installations and their technical and economic operation.
Traffic light maintenance	Badalona City Council	Maintenance, conservation, cleaning, and repair services the city's traffic lights.
Lighting maintenance in the western area Barcelona	Private	Supply, installation, repair, and maintenance of systems applied to the regularisation, traffic control, and public lighting of the western zone of Barcelona.





## INSTALACIONES Y MANTENIMIENTO

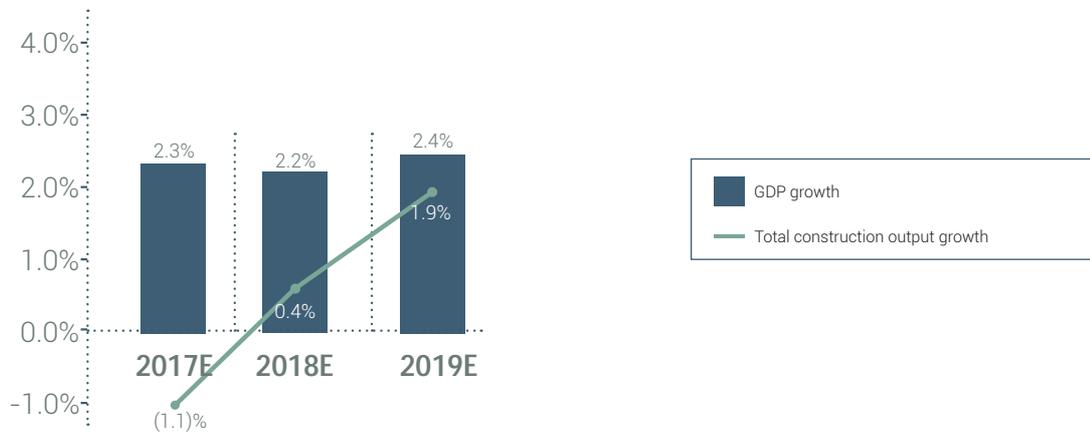
PROJECTS	CLIENT	VALUE CREATION
Construction and adaptation of installations for the off-shore tower manufacturing plant, Seville	Private	Construction, reform, adaptation, and remodelling of industrial facilities and warehouses in the Port of Seville. Re-industrialization of old shipyard lands, combining a process of reconstruction, new construction, and technological development.
Badalona Hospital Reform (Barcelona)	Private	Renovation works of the hospitalization Unit.
Conservation and maintenance of ornamental fountains, Almería	Almería City Council	Maintenance and conservation of ornamental fountains, landscape recovery, and lighting improvement.
Reform of the air conditioning system in the building ACC Canary Islands, Las Palmas	Enaire Public Business Entity	Reform of the air conditioning system of the Canary Islands Control Centre building.
Maintenance of facilities in IES Rubí (Barcelona)	Private	Maintenance of the facilities.
IES San Cugat facilities (Barcelona)	Private	Maintenance of the facilities.
Supermarket facilities	Private	Installations of transformation centres and reforms for supermarket chains in Catalonia.



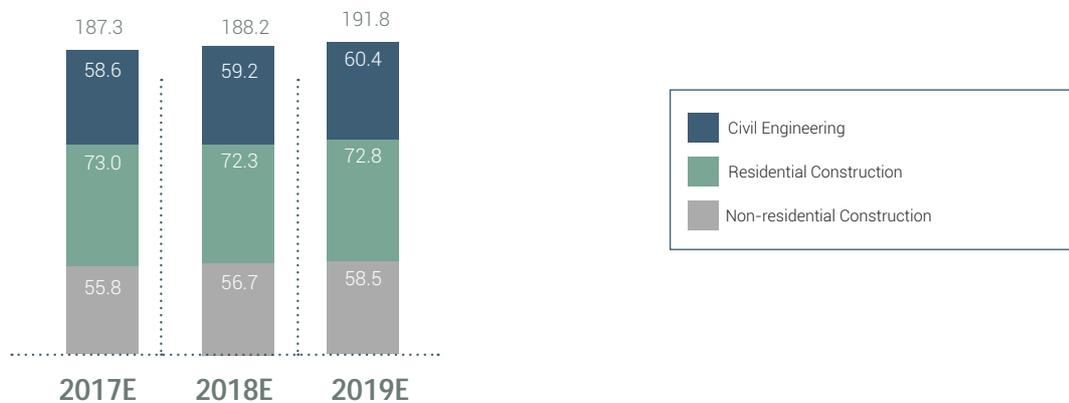
# MEXICO

## SECTORIAL TRENDS

### GDP AND TOTAL CONSTRUCTION OUTPUT (%)



### TOTAL CONSTRUCTION OUTPUT (\$ B)



Source: Euroconstruct November 2017

# MEXICO

## CONSTRUCTION



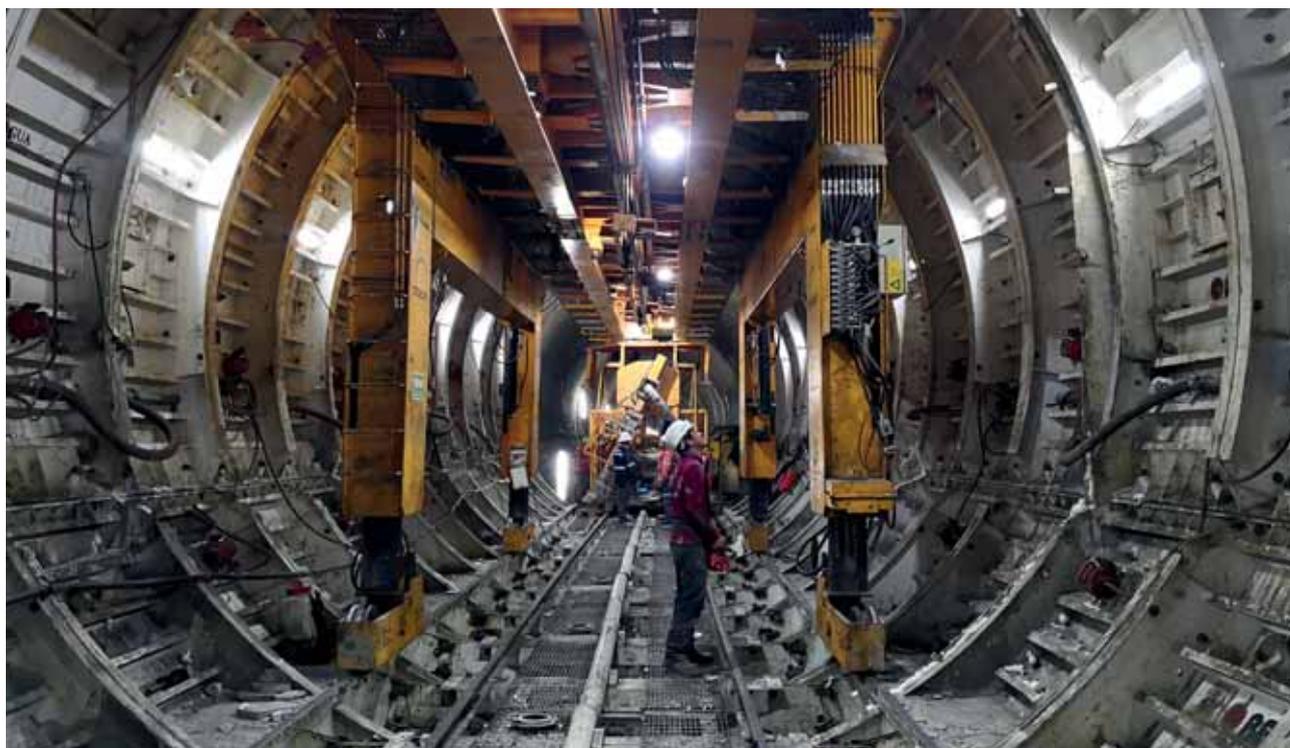
### RAILWAY WORKS

PROJECTS	CLIENT	VALUE CREATION
Workshops and garages for the expansion of the Urban Electric Train System of Guadalajara (Jalisco)	Secretariat of Communications and Transportation (SCT)	Construction of workshops and garages for the expansion of the Urban Electric Train System in the Metropolitan Zone of Guadalajara that includes the construction of workshops, garages, administrative and secondary buildings, manufacturing, supply of auxiliary vehicles, parking areas, gardens, and urbanizations in general, as well as putting it into service.
Maintenance of railway facilities Secretary of	Communications and Transportation (SCT)	Supply, installation, and operation of machinery and specialized maintenance equipment for the collection of workshops and garages, for the extension of the urban electric train system in the metropolitan area of Guadalajara.



### ROADS AND MOTORWAYS

PROJECTS	CLIENT	VALUE CREATION
Coatzacoalcos-Tuxtla Gutiérrez (Veracruz) Motorway	Secretariat of Communications and Transportation (SCT)	Modernization and expansion of the Coatzacoalcos-Tuxtla Gutiérrez highway in the Allende-Nuevo Teapa junction.



## UNDERGROUND WORK

PROJECTS	CLIENT	VALUE CREATION
Manzanillo (Colima) Train tunnel	Secretariat of Communications and Transportation (SCT)	Construction of the Manzanillo Train Tunnel, at 492 m in length with a section of 80 m <sup>2</sup> for the operation of double stowage trains and a false tunnel of 20 metres at the API exit portal.
Expansion of the 12 Transport System Line Metro Collective CDMX (1st stage), Mexico City	Secretariat of Government Projects Of the Federal District	Construction projects for civil works and complementary works for the expansion of the Collective 12 Transport System Line Metro.
Stage I of construction of the Issuing Tunnel Poniente II and project and rectification of open section of the Western Issuing (Mexico State)	National Commission of Water (CONAGUA)	Construction of a tunnel 5.9 km long and 7 metres in diameter, via the TBM, which begins with the capture of rivers San Javier and Xochimanga in Atizapán de Zaragoza and concludes in the open-air discharge structure in Cuatitlan Izcalli. Requires, in addition, the execution of a ventilation hole of 80 metres deep and 13 in diameter, as well as access and escape boxes.
Zacatecas Mining	Private	Development of 21,119 metres of mining works for preparation in the San Ricardo W and Santo Niño area in Minera Fresnillo.
Zacatecas Mining	Private	Development of 5,005 metres of ramps, crossings, and auxiliary works.



## RESIDENTIAL BUILDING

PROJECTS	CLIENT	VALUE CREATION
Residential building in Mexico City	Private	Integral construction of a tower with 21 floors and four basements, with a total of 394 homes and 364 parking spaces. The contract includes the work of foundation, structure, masonry, Installations, finishes, and façades. The project has an area of 45,000 m <sup>2</sup> .
Residential in Santa Fe, Mexico City	Private	Construction of two buildings (residential complex at Terrazas de Santa Fe) that will house 400 apartments and a parking area.
Residential in San Pedro Garza García (Nuevo León)	Private	Residential development project.



## NON-RESIDENTIAL BUILDING

PROJECTS	CLIENT	VALUE CREATION
Chihuahua (Chihuahua) International Airport	Private	Works necessary for the expansion of the terminal building at the Chihuahua International Airport, which includes foundations, structures, facilities, finishes, and the rehabilitation of the existing building.
Hotel Complex, Playa del Carmen (Quintana Roo)	Private	Complejo hotelero de 350 habitaciones distribuidas en 5 edificios, una casa club con spa, sótano de servicios, piscinas, gran deck de playa, restaurante de playa, dos aquabares, salón de usos múltiples, estacionamiento, pista de tenis, área de oficinas, lagos y zonas ajardinadas sobre una superficie de 82.000 m <sup>2</sup> .
Hotel Resort, Playa del Carmen (Quintana Roo)	Private	Construcción de hotel & resort que comprende varios edificios destinados a habitaciones, así como restaurantes y áreas exteriores. El proyecto incluye instalaciones integrales.
Hotel Cancún (Quintana Roo)	Private	Design and construction of a 17-story hotel building and a basement, with an approximate area of 52,500 m <sup>2</sup> .
Hotel Paraiso Mujeres (Quintana Roo)	Private	Civil works for the construction of some buildings for bedrooms.

PROJECTS	CLIENT	VALUE CREATION
Terminal 4 of the Cancun International Airport (Quintana Roo)	Private	Construction of finishes, masonry, and terminal building facilities, BHS building and tunnel T4 of the Airport.
Control Tower of the New International Airport of Mexico City (NAICM)	Airport Group of Mexico City	Construction of the Air Traffic Control Tower Building of the New International Airport of Mexico City.



# MEXICO

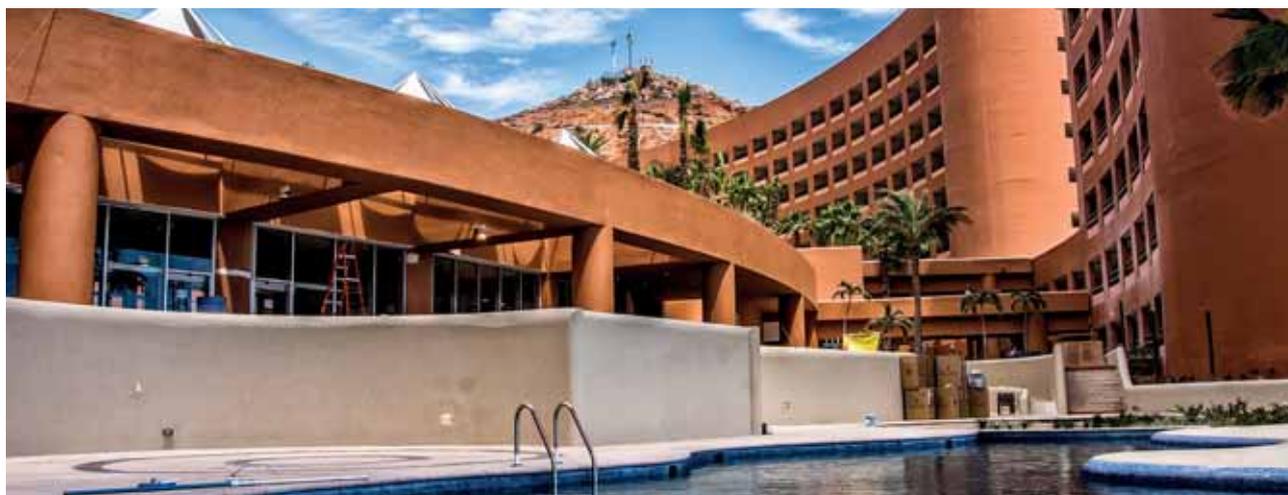
## INDUSTRIAL



### TRAFFIC AND LIGHTING

PROJECTS	CLIENT	VALUE CREATION
Installations in the tunnels and viaduct Interlomas (Mexico State)	Secretariat of Communications and Transportation (SCT)	Installation of intelligent transport systems (ITS), systems of lighting, powerhouse, transformer equipment, security systems, and sources of energy, as well as vertical and horizontal signalling in the tunnels of the Interlomas connection.
Maintenance for installations and systems of the Durango-Mazatlán motorway (Durango and Sinaloa)	Private	Preventative and corrective maintenance of devices and systems installed inside the intelligent and conventional tunnels, powerhouses, control centres, and the fibre optic network of the motorway.
Preventive and corrective maintenance of the ITS Systems of the Mexico-Acapulco (Mexico City-Morelos) Motorway	Private	Maintenance of ITS, fibre optics, equipment of the control centres of the collection points and telematics area of the road section of 362 km.





## INSTALLATIONS AND MAINTENANCE

PROJECTS	CLIENT	VALUE CREATION
Hotel Westin Resort & Spa Facilities Cancun (Quintana Roo)	Private	Execution of civil works, structure, telecommunications, electrical and plumbing installations, detection and alarms, protection against fire, piping, millworks, and HVAC installation in existing buildings, remodeling work in the large areas of the hotel.
Industrial automotive plant (San Luis Potosi)	Private	Execution of earthworks and foundations, metal structures, land system, industrial floors, masonry, and drainage in two warehouses and annexed buildings with a built area of 38,000 m <sup>2</sup> , as well as complete urbanization on a plot of 143,000 m <sup>2</sup> .
Reduction of energy losses for CFE (2nd phase), Mexico City	Federal Electricity Commission (CFE)	Construction and installation of three works to insure the measurement with AMI technology. These works involve the withdrawal, supply, and installation of 131,221 AMI type meters with any type of communication.
New Era section 2 gas pipeline (Nuevo León)	Private	Construction and installation of pipelines for natural gas of 133 km long.
Hotel & Resort Los Cabos Installations (Baja California)	Private	The works consist of reconstruction and modernization of the Facilities.
Supply, installation and commissioning operation of electric elevators and escalators (Jalisco)	Secretary of Communications and Transportation (General Directorate of Railway and Multimodal Transportation)	Supply, installation and commissioning of elevators electrical and escalators, their systems and equipment Necessary electromechanical, hardware and software devices that make them, in underground and elevated stations in the expansion of the urban electric train system in the area Metropolitana de Guadalajara (Line 3 of the light rail in Zapopan, Guadalajara and Traquepaque).

PROJECTS	CLIENT	VALUE CREATION
Finishes and installations of the corporate tower, Mexico City	Private	Interior finishes and general installations of the new corporate insurance company building.
Sports stadium facilities, Mexico City	Private	Supply and installation of the electrical, hydraulic, sanitary, air conditioning, and fire protection specializations.



## TRANSMISSION LINES

PROJECTS	CLIENT	VALUE CREATION
Lines and substations Northwest Central fourth phase (Jalisco)	Federal Electricity Commission (CFE)	Construction and installation of three substations with a voltage transformer ratio of 115/23 and 69/23 kV, with a capacity of 60 MVA and 3.6 MVAR of compression, with three high voltage feeders and nine medium voltage feeders, and two transmission lines with voltages of 115 and 69 kV with a length of 42.65 km-C.



## ENERGY GENERATION PROJECTS

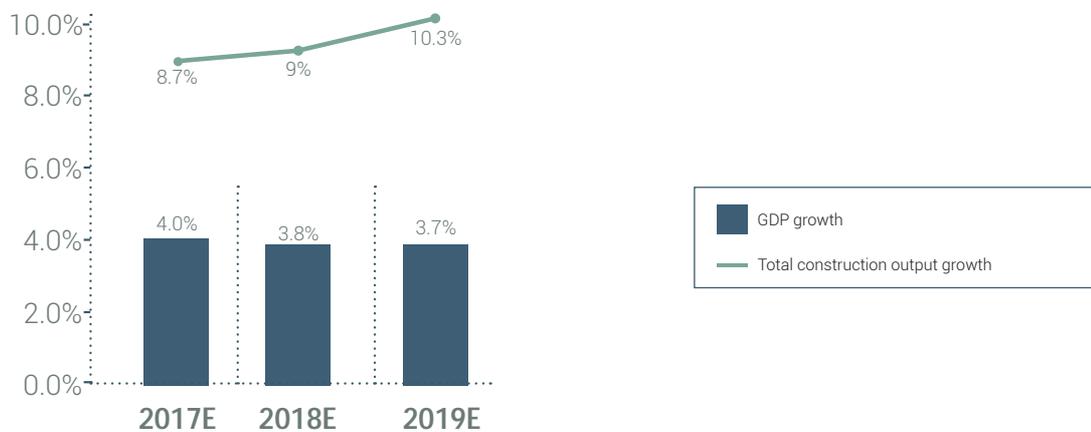
PROJECTS	CLIENT	VALUE CREATION
Wind Farms in Yucatan	Private	Installation of 30 2.0 MW wind turbines in two stages in the farms.
Wind Farm in Chiapas	Private	Turnkey project for the construction, installation, and start-up of a 20 MW wind farm.
2020 CE (Veracruz)	Federal Electricity Commission (CFE)	Works for the construction and installation of six transmission lines, five high voltage underground lines of 115KV, a circuit with a length of 16,003 km-c and work of high-voltage aerial recalibration of 115KV with a length of 9.323km-C.
Wind Farm in Nuevo León	Private	Construction of a wind farm with 100 wind turbines.
Photovoltaic plant in Jalisco	Private	Construction of a solar energy generating plant.
Photovoltaic plant in Yucatan	Private	Construction of a solar energy plant.



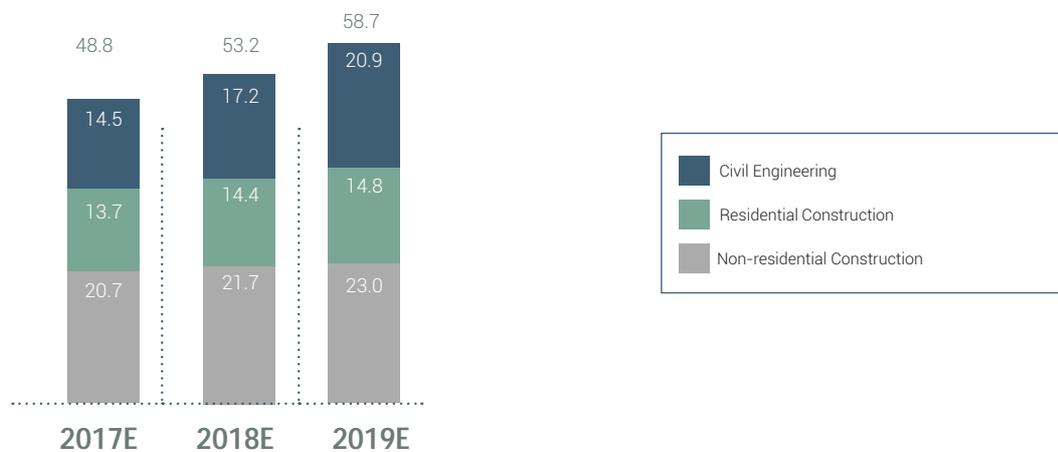
# POLAND

## SECTORIAL TRENDS

### GDP AND TOTAL CONSTRUCTION OUTPUT (%)



### TOTAL CONSTRUCTION OUTPUT (\$ B)



Source: Euroconstruct November 2017

# POLAND

## CONSTRUCTION



### RAILWAY WORKS

PROJECTS	CLIENT	VALUE CREATION
Transformation of the railway station complex in Gliwice (Silesia)	PKP SA - PKP (Polish National Railways)	Reform designed to guarantee the comfort of travellers adapting the building to modern service standards. The works have included all the sectors related to the transformation of the railway station building, along with the infrastructure of platforms and tracks, the covering of platforms and between the tracks, as well as the steps through tunnels. A modern complex has been created while preserving the historical elements. This project has the added difficulty of keeping the station in service during the works.



### ROADS AND MOTORWAYS

PROJECTS	CLIENT	VALUE CREATION
S19 T.1 Lublin Weglin-Niedrzwica Duza (Lublin) Freeway	Generalna Dyrekcja Dróg Krajowych i Autostrad -GDDKIA	Construction of one of the sections of the S19 motorway between Lublin and Krasnik that will be part of the international Via Carpathia route, specifically the stretch between Lublin Weglin and Niedrzwica Duza, with a length of 12 km.

PROJECTS	CLIENT	VALUE CREATION
S19 T.3, Krasnik ring road (Lublin) Motorway	Generalna Dyrekcja Dróg Krajowych i Autostrad -GDDKIA	Construction of one of the sections of the S19 motorway between Lublin and Krasnik that will be part of the international Via Carpathia route, specifically the Krasnik ring road, with a length of 10 km.
Fast lane S-19. Sokołów Małopolski North - Stobierna (Rzeszów) Link	Generalna Dyrekcja Dróg Krajowych i Autostrad -GDDKIA	Construction of a 2+1 lane road that will include a link at a different level to connect with the existing road No. 875. The most important structure will be a viaduct (150 metres), divided into five spans. The project also includes two new rest areas equipped with services, parking, and green areas.
Second phase of the Drezdenko (Lubusz) ring road	Zarząd Dróg Wojewódzkich woj. Lubuskiego (Provincial Road Directorate of the Lubusz Voivodeship)	Construction of the second phase of the Drezdenko ring road, a section of 1.85 km long, animal crossings, ornamental plantation, sewage network, and installation of sound barriers.



## RESIDENTIAL BUILDING

PROJECTS	CLIENT	VALUE CREATION
Wille Wodziczki Residential, Poznan (Greater Poland)	Private	Construction of two apartment buildings, with garage, common areas, and spacious green areas.
Okre Residential, Poznan (Greater Poland)	Private	Construction of the Saperska development, consisting of two residential buildings, with heights ranging from three to six floors, and that will encompass a total of 126 apartments. They will also have an underground floor to house a garage with 191 parking spaces. The promotion also includes large, landscaped common areas with a picnic area and recreational areas. The total area of the project is 15,679 m <sup>2</sup> .
Marvipol Homes, Warsaw (Mazovia)	Private	Construction of four seven-floor multi-family buildings with 20,480 m <sup>2</sup> , of usable area, will also have parking spaces in the basement.



## NON-RESIDENTIAL BUILDING

PROJECTS	CLIENT	VALUE CREATION
Za Bramką Offices, Poznań (Greater Poland)	Wielkopolskie Centrum Wspierania Inwestycji (WCWI)	Construction of a four-story building, intended for offices and municipal services, including underground parking with 300 spaces.
Five star hotel, Swinoujscie (Western Pomerania)	Private	Construction of two apartment buildings with 140 rooms. The works consist of the demolition of three existing buildings currently on the project plot, to proceed later to the construction of two buildings of five floors each and an underground garage, as well as the construction of two connected bungalow buildings to put the service facilities in them.



# POLAND

## INDUSTRIAL



### INSTALLATIONS AND MAINTENANCE

PROJECTS	CLIENT	VALUE CREATION
Skarbimierz (Opole) Industrial warehouses	Private	Construction of a manufacturing complex, including the office building, for the production and storage of plastic sheets for packaging.
Expansion of industrial plant for automotive components, Września (Greater Poland)	Private	Expansion of the current factory, by 20,000 m <sup>2</sup> , without the need to paralyse its production. The projects have covered all the construction works, foundations, steel structures, coverings, parking, and surrounding roads.



### TRANSMISSION LINES

PROJECTS	CLIENT	VALUE CREATION
400 KV High voltage overhead line in Ostrołęka Ostrołęka – Olsztyn Mątki	Polskie Sieci Energetyczne (PSE)	Turnkey Construction of a 400 kv double circuit overhead line with a length of 138 km. The works also include the design, the purchase of land, and environmental and urba procedures.
400 KV High voltage overhead line Gdańsk Przyjaźń – Żydowo Kierzkowo	Polskie Sieci Energetyczne (PSE)	Turnkey Construction of a 400 kv double circuit overhead line with a length of 120 km. The works also include the design, the purchase of land, and environmental and urban procedures.
220 KV High voltage overhead line Glinki-Reclaw	Polskie Sieci Energetyczne (PSE)	Complete Turnkey Modernization of a 220 kv double circuit overhead line with a length of 32 km, as well as a change of guard cable at a length of 15 km. The works also include the design, the purchase of land, and environmental and urban procedures.



### ENERGY GENERATION PROJECTS

PROJECTS	CLIENT	VALUE CREATION
Karwice wind farm (Western Pomerania)	Private	Turnkey contract, consisting of 16 wind turbines of 2.5 MW with a total installed power of 40 MW, as well as associated infrastructure and maintenance for the next three years.

# 2.2

## ACTIVITY REPORT BY INVESTMENT ACTIVITIES



### CONCESSIONS

PROJECTS	COUNTRY	GENERATION OF VALUE
Autopista de La Mancha motorway (Ciudad Real)	Spain	Aldesa is part of Autopista de La Mancha, the company that has been responsible for 19 years for the operation, maintenance and conservation of the Puerto Lápice-Venta de Cárdenas (Ciudad Real) section of the A-4 dual carriageway, which is 107 km in length.
Courts in El Vendrell (Tarragona) and Manresa (Barcelona)	Spain	Aldesa has been granted a 27-year lease by GISA, for the conservation of the Courts of El Vendrell (Tarragona) and Manresa (Barcelona). The former, which has a floor area of approximately 10,100 m <sup>2</sup> , brings together seven courts that were scattered throughout the municipality of El Vendrell with future enlargement up to twelve courts envisaged. The Manresa courts have a total net floor area of 15,058 m <sup>2</sup> and consist of two buildings that contain the offices of twelve judicial bodies.
Marina Salinas, Torrevieja (Alicante)	Spain	Aldesa Marina Salinas is responsible for the operation of Torrevieja Marina Salinas, one of the most complete and modern marinas in the Mediterranean, for a period of 30 years, as well as the marketing of its over 700 moorings under leasing or rental agreements, with a view to meeting the high demand for moorings in the Region of Valencia.
Guadalajara-Colima motorway (Jalisco)	Mexico	Since 2012 Aldesa and a Mexican company have held a 10-year concession to operate the Guadalajara-Colima motorway. This was the first contract for the modernisation of toll systems, traffic control and communications, and the operation of toll collection areas put out to tender by the National Bank of Works and Public Services (BANOBRAS) and placed the Group at the forefront for motorway operation and modernisation projects throughout the country.



PROJECTS	COUNTRY	GENERATION OF VALUE
Arriaga-Ocozocoautla and Tuxtla Gutiérrez-San Cristóbal de las Casas motorways (Chiapas)	Mexico	Since 2007 Aldesa has held the federal concession for the Arriaga-Ocozocoautla and Tuxtla Gutiérrez-San Cristóbal toll motorways, which have a total length of 139.5 km. The concession has been granted for a period of 30 years. The project also envisaged the construction and operation of the Tierra y Libertad - Ocozocoautla section, which is 73 km long.



 **RENEWABLE ENERGIES**

PROJECTS	COUNTRY	GENERATION OF VALUE
Alijar wind farm, Jerez de la Frontera (Cádiz)	Spain	Aldesa is a 50% shareholder of this wind farm, which has installed capacity of 24 MW and has been in operation since 2005.
Valdivia wind farm, Osuna (Seville)	Spain	Aldesa is a 50% shareholder of this wind farm, which has installed capacity of 28.5 MW and has been in operation since 2007.
Enersol Santa Lucía photovoltaic plants (Seville and Huelva)	Spain	Aldesa is a 51% shareholder of this wind farm, which has installed capacity of 38.17 MW and has been in operation since 2008.
Orrea wind farm, Pontevedra	Spain	42 MW installed power. 21 Gamesa G114 2.0 MW wind turbines. Turn-key construction, commissioning and operations.
Mesada wind farm, Pontevedra	Spain	11 MW installed power. 6 Gamesa G114 2.0 MW wind turbines. Turn-key construction, commissioning and operations.
Xalo wind farm, La Coruña	Spain	45 MW installed power. 23 Gamesa G114 2.0 MW wind turbines. Turn-key construction, commissioning and operations.

PROJECTS	COUNTRY	GENERATION OF VALUE
Sierra de San Jorge Photovoltaic Plant, Badajoz	Spain	24 MW installed power. Turn-key construction, commissioning and operations.
Burguillos Photovoltaic Plant, Badajoz	Spain	24 MW installed power. Turn-key construction, commissioning and operations.



## REAL ESTATE

PROJECTS	COUNTRY	GENERATION OF VALUE
Housing in Moncada (Valencia)	Spain	The development comprises 30 homes, with their corresponding storage rooms, 2 business units and 56 parking spaces on two levels. It includes a swimming pool and children's play area, as well as large common and landscaped areas.
Housing in Getafe (Madrid)	Spain	The development consists of 100 homes, with their corresponding storage rooms, and 176 parking spaces on three levels. It also includes large common areas with a swimming pool, padel tennis court, and children's play area, in a closed complex.
Housing in Torrejón (Madrid)	Spain	The development consists of 176 homes with typologies of 1 to 4 bedrooms, 382 parking spaces distributed in 2 basements, as well as 176 storage rooms and 24 commercial premises, developed in a closed block, with large communal areas, and pools for adults and children.
Housing in Móstoles (Madrid)	Spain	The development consists of 95 homes with 1 and 2 bedrooms, 150 parking spaces in 2 basements, 95 storage rooms and 4 commercial premises, as well as paddle tennis court, garden areas and playground.
Housing in Águilas (Murcia)	Spain	The development includes 116 homes, 116 storage rooms, and 116 parking spaces, with common and green areas. Garages and storage rooms distributed in two basements and the houses in six floors above ground.
Housing in Villaverde, Madrid	Spain	The development comprises 54 homes, with their corresponding storage rooms, and 89 parking spaces on two levels. It includes a swimming pool and children's play area, as well as large common and green areas.
Offices building Gran Canal de Inversiones, Madrid	Spain	Management of Grupo Aldesa's headquarters (4,500 m <sup>2</sup> ).
Office building Diamante Plaza, Krakow (Lesser Poland)	Poland	A-grade Office building with 10,000 m <sup>2</sup> of rentable space, intended to satisfy the increasing demand for modern and well-equipped office spaces from multinational companies and for premises.





# 03

## CORPORATE SOCIAL RESPONSABILITY REPORT

# 3.1

## LETTER FROM THE HONORARY CHAIRMAN

The phrase "*We build trust*" supports the corporate values, extended to the entire organization, and which represent our commitment to clients, employees, investors, partners, suppliers, subcontractors, public administrations, users, and society in general within our identifying features. They are values that are transmitted internally and externally, and that today are translated into policies and action plans with a continuous commitment to stringency and leadership in prevention related to safety, compliance with delivery deadlines and commitment, application of sustainability and new technologies, demand for quality, environmental management, and social management supporting initiatives related to our activity that create value for the community.

In this sense, thanks to this continuous commitment, we have been able to create development projects with the aim of improving the quality of life of the communities in which we are present and where we are able to contribute social value in the execution of our works. In each of these projects, on three continents and in eight countries, we leave with enriching experiences, new lessons, and, of course, new challenges to keep growing.

I invite you to read this Social Responsibility report which, regarding the report, represents a step forward, since it has been conceived from the perspective of the ISO 26000 that, although it is not certifiable, it does open the door to voluntarily making efforts in this sense and reporting them in our summary of activities that we show annually in the Group's report. We also continue in the new scheme of the Global Compact as partners renewing our commitment to both principles and initiatives.

And our commitment continues into the future in which we focus on the development and talent of our people and transfer the values of the Group to the whole of society: speed, guarantee, commitment, experience, trust, and closeness. Because we understand that values are the DNA of every company and, therefore, should govern everything we do.

Antonio Fernández Rubio  
Honoray Chairman  
Grupo ALDESA



# 3.2

## GOVERNANCE OF THE ORGANIZATION

### THE GROUP AND THE SOCIAL RESPONSIBILITY

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Grupo Aldesa has been working for years to make its economic development and the integration of environmental and social concerns in its management model compatible. The growth and diversification that the Group has experienced in recent years make it necessary to pay greater attention to the consequences of the activities that are carried out and that have an impact on society.

Thus, Grupo Aldesa has set out a series of strategic objectives in the field of Corporate Social Responsibility, ranging from the application of R&D&i projects aimed at sustainability in civil works, to the decisive investment in renewable energies, on to waste management for reuse, the extension of the Occupational Safety Plan to employees of subcontracted companies, or its participation in cooperation and development projects in the countries where it carries out its activity.

The Group's Corporate Responsibility strategy, which translates into the slogan "We build trust," is based on a series of corporate values that extend to all levels of the organization and are intended not only to be its hallmark, but also a true commitment with all its stakeholders: clients, employees, investors, partners, suppliers, subcontractors, public administrations, users, and society in general.

**“ Mission ”**  
Contribute actively and voluntarily to social, economic, and environmental improvement, thus providing our added value in the countries where we operate.

All these values are specified in a series of areas and management systems that establish the implementation of the corresponding policies and action plans for the effective fulfilment of all these commitments.

- Commitment to Human Resources of high technical qualification. Aldesa is aware that its success has been possible thanks to its human team. The growth experienced by the Group in recent years entails



the need for the continuous incorporation of professionals with the ability to excel and high technical qualifications in all areas of the business. For the development of its employees, one of the basic pillars of the Human Resources policy is internal promotion and specialized training.

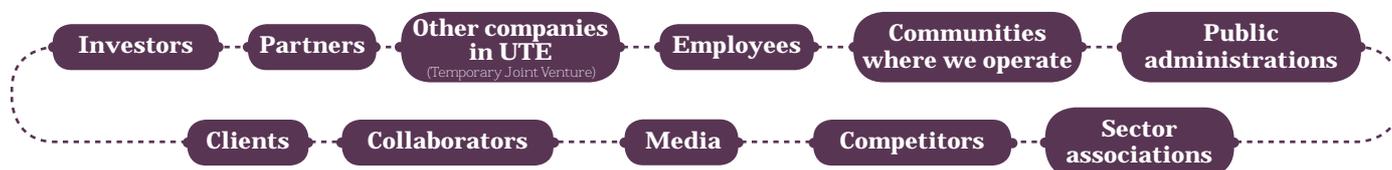
- **High requirement levels in Occupational Safety.** Occupational safety is a basic pillar in Aldesa to be applied to all the activities it carries out, being at the same level of importance as profitability, quality, and production. The Group is seriously committed to safety and the prevention of occupational hazards, establishing a series of commitments and guidelines that are reflected in its Health and Safety policy and that all employees must comply with, making them part of the preventive management of safety.
- **Application of sustainability and new technologies.** Aldesa has the capacity to use the most advanced techniques in the execution of its projects, selectively incorporating the most appropriate technologies. The technological possibilities available to improve the construction methods are studied, with special emphasis on the efficiency of the processes and sustainability. As such, Aldesa also works in advanced technological projects related to electrical engineering and telecommunications.
- **Compliance with the most demanding quality requirements.** For more than a decade, Aldesa has been certifying its Quality Management, thus ensuring compliance with the clients' requirements in terms of degree of satisfaction, as well as legal and regulatory requirements to reduce errors and establish a framework for continuous improvement of the Group's processes. Among its objectives, Aldesa aims to make its Quality policy a basic element in the culture of the organization, and to achieve the identification and sincere commitment of all its personnel.
- **Strict compliance with the established delivery deadlines.** No detail is omitted in the planning of the work required by each project, and if the periodic control of the partial deadlines detects even a minimal delay, the expansion of the equipment and work shifts is made a priority, thus avoiding unnecessary inconvenience to customers and users.
- **Respectful management of the environment.** The environmental policy of Aldesa places special emphasis on the prevention and the establishment of continuous improvement in the environmental performance of the Group, with a high degree of involvement on the part of the entire organization. For almost ten years, Aldesa has had an Environmental Management Certificate, according to the ISO 14.001 standard, which ensures compliance with the applicable environmental legislation and regulations, as well as the use of processes that avoid, reduce, and control pollution.
- **Support for initiatives that create value for the community.** Aldesa's social action focuses on the development of projects related to its activity that generate value for the community by satisfying its basic needs. These projects are mainly limited to the promotion of infrastructure development in the poorest regions of the world, so that the population can have access to basic infrastructure services and to the social integration of the least privileged people in the communities where the Group operates.

With the conviction that it is necessary to maintain a sustainable business model, Grupo Aldesa's Board of Directors assumes the task of approving the policies that affect the different areas concerning Corporate Social Responsibility, so that they are in line with expectations of its stakeholders and the established strategic objectives.

## “ Stakeholders ”

The dialogue with our stakeholders is part of our Communication and CSR plan. This commitment is specified in a mechanism of dialogue and mutual understanding so that all our stakeholders are heard and considered in daily operations. In particular cases of projects close to the population, for example, we have established direct communication platforms as well as informative meetings so that the communication is reciprocal, and everyone feels involved for their part.

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### ALIGNMENT WITH THE PRINCIPLES OF SOCIAL RESPONSIBILITY

Convinced of being able to contribute to sustainable development through its activity, Grupo Aldesa is aligned with the principles and courses of action of the international ISO 26000 standard when it comes to focusing its operations in a responsible manner, as society is demanding. Given the multinational nature of the Group and the diversity of national standards that can create confusion, we have opted for the first truly universal standard of social responsibility.



## Basic principles of social responsibility

- ✓ Accountability
- ✓ Transparency
- ✓ Ethical behaviour
- ✓ Respect for the interests of stakeholders
- ✓ Respect for legal principles
- ✓ Respect for international standards of behaviour
- ✓ Respect for human rights

At the same time, in a determined step to advance in matters of transparency and accountability, this Social Responsibility report is structured in accordance with the ISO 26000 Guide, which offers a global consensus regarding the fundamental material and matters on which to report.

## ENGAGEMENT IN ACHIEVING SUSTAINABLE DEVELOPMENT OBJECTIVES

Aldesa, as part of its operational strategy, declares its commitment and engagement in the collaboration to achieve the Sustainable Development Goals (SDG), which derive from the United Nations' declarations of human rights, labour, the environment, and anti-corruption, which has achieved a universal consensus.

In this context, the challenge for companies is to contribute to their compliance by addressing the goals at the local level. Aldesa has the capacity and willingness to contribute to these transformations and position itself as a driving force for development. In this sense, Aldesa has identified two objectives which it can use to reliably assist as part of the development of its activity:

- Objective 9: Industry, innovation, and infrastructure
- Objective 11: Sustainable cities and communities

However, Aldesa has also identified other areas that, due to its activity, may be subject to action, such as clean water and sanitation, decent employment, and renewable energies.



## PROMOTION OF SUSTAINABLE DEVELOPMENT

During 2017, Grupo Aldesa has carried out internal awareness campaigns on the need to apply the principles of sustainable development and has participated in various events, such as congresses, conferences, or seminars, linked both to the promotion of its activity and to Corporate Responsibility, having the opportunity to transfer various aspects related to sustainability to the fabric of the business. Likewise, the Group's companies actively participate in organizations and associations that promote the responsible development of their respective sectors.

### Main associations and entities to which the group's companies lent their support in 2017

- ✓ AEC - Spanish Highway Association
- ✓ AECMA - Spanish Construction Management Association
- ✓ AEDIVE - Business Association for the Development and Promotion of Electric Vehicles
- ✓ AEE - Wind Business Association
- ✓ AENOR - Standardization Committees
- ✓ AETOS - Spanish Association of Tunnels and Underground Works
- ✓ AMDEE - Mexican Wind Energy Association
- ✓ AMITOS - Mexican Association of Engineering for Tunnels and Underground Works
- ✓ ANCI - National Association of Independent Builders
- ✓ APREAN - Association of Renewable Energy Promoters and Producers of Andalusia
- ✓ Chamber of Commerce of Seville
- ✓ Chamber of Contractors of the Valencian Community
- ✓ CAMESCOM - Spanish Chamber of Commerce in Mexico
- ✓ CMIC - Mexican Chamber of the Construction Industry
- ✓ CLANER - Andalusian Renewable Energy Cluster
- ✓ COGENEREA - Mexico Civil Association
- ✓ CSIC - Superior Council of Scientific Research
- ✓ Construction Labour Foundation
- ✓ ITS España- Forum of New Technologies in Transportation
- ✓ ITS Polska - National Polish Association of Intelligent Traffic Systems
- ✓ NFF - Norwegian Tunnel Association
- ✓ NORWEA - Norwegian Wind Energy Association
- ✓ PHIG - Polish-Spanish Chamber of Commerce
- ✓ PZPB - Polish Association of Entrepreneurs in the Construction Industry
- ✓ SNHK - Hispano-Norwegian Chamber of Commerce
- ✓ UNEF - Spanish Photo-voltaic Union

# CORPORATE GOVERNANCE

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Grupo Aldesa is governed, administrated, and represented by a Board of Directors in charge of the coordination, monitoring, and control of the organization, operation, and strategy of the different entities that make up the group in order to achieve the company's business objectives. For all this, it has a leading and multidisciplinary Management Committee with extensive experience in the sector.

**“ Mission ”**  
Create value in construction, industrial, investment, and technological solutions activities by developing quality projects for our clients around the world.

Grupo Aldesa feels a commitment to good corporate governance, so it carries out policies that ensure a model of ethics, compliance, and transparency of the processes and controls they support by way of the mission, vision, and the Group's own values, which aim to position to Aldesa as a benchmark in the sector through the application of best practices in transparency.

**“ Vision ”**  
Being a specialized group and a role model in the different countries in which the activities of our business lines are developed, offering the best integral solution in the different projects, as well as increasing profitability by innovating and optimizing management, taking advantage of the synergies generated by the different divisions of the Group in a committed and sustainable manner.

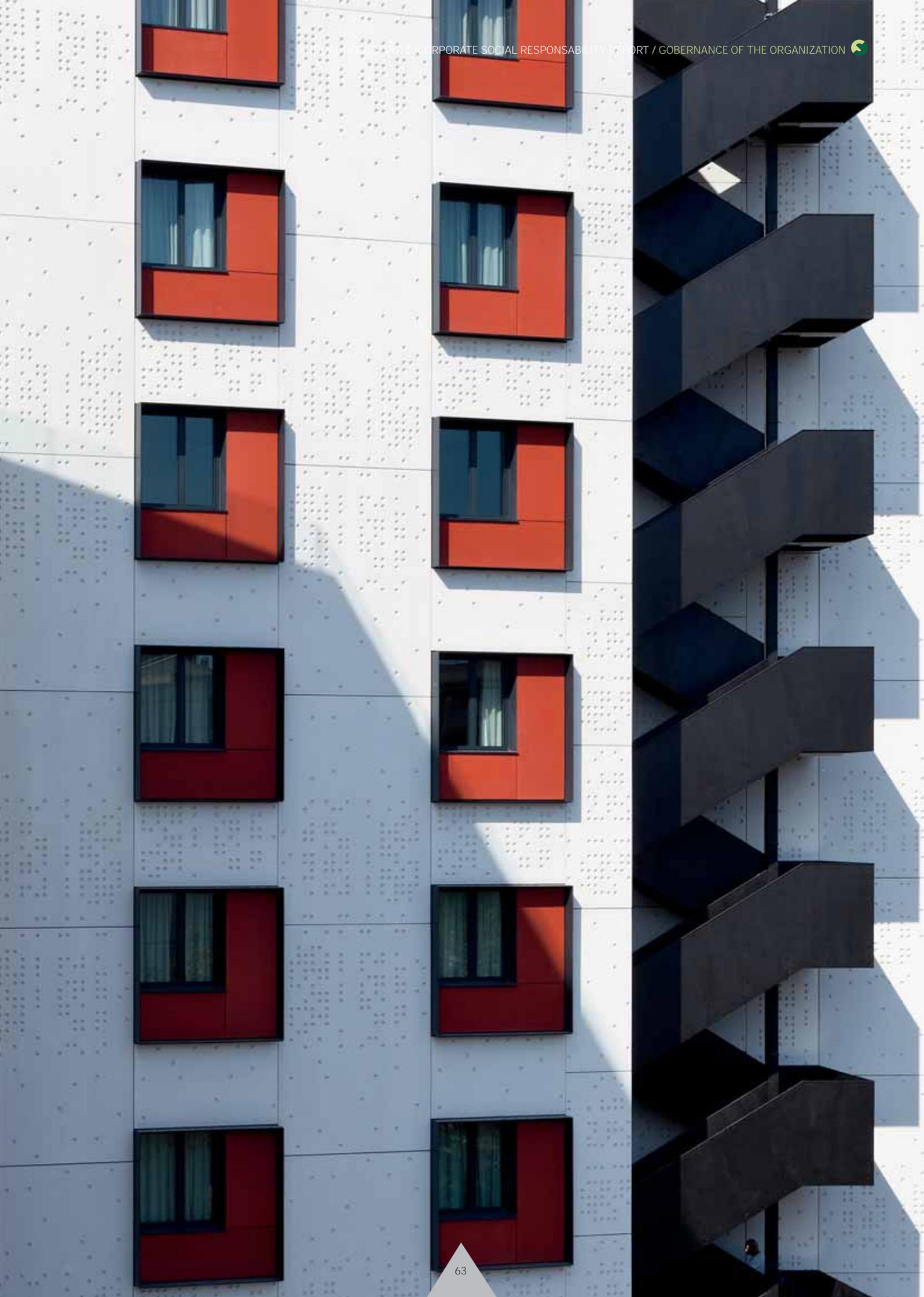
- Values**
- ✓ Guarantee
  - ✓ Commitment
  - ✓ Trust
  - ✓ Experience
  - ✓ Closeness
  - ✓ Transparency

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## COMPLIANCE AND CORPORATE POLICIES

The Group has internal tools that prevent bad corporate practices, laid out in its Compliance Plan and Code of Ethics. The models and guidelines for professional, ethical, and responsible behaviour are mandatory for all the people that compose Aldesa Group and extend to all its stakeholders.

Grupo Aldesa has a series of procedures, models, policies, and manuals that have been approved and used as control and supervision measures in the company's Compliance Policy. Thus, Aldesa has corporate policies on Ethics, Anti-corruption, Human Resources, and Corporate Social Responsibility, among others, as well as a policy on structure and Corporate Governance.



# 3.3

## RESPECT AND PROTECTION OF HUMAN RIGHTS

As another significant step in strengthening its socially responsible behaviour, in 2015, Grupo Aldesa signed the letter affirming its union with the United Nations Global Compact. In 2017, it renewed its commitment to its membership, becoming firmly involved in the goal of aligning its activities and business strategies with the Ten universally accepted Principles in the areas of human rights, labour standards, the environment, and the fight against corruption.

This international initiative of the United Nations that began in 2000 has since joined more than 12,000 signed entities in nearly 150 countries around the world, which is why the United Nations Global Compact is today the largest voluntary initiative for corporate social responsibility in the world.



### OUR CODE OF ETHICS AS A GUARANTOR OF HUMAN RIGHTS

Grupo Aldesa's Code of Ethics includes the values, norms, and principles reflected in our company culture, explicitly contemplating respect for Human Rights as one of the basic principles of behaviour. In particular, it is pointed out that all of Grupo Aldesa's actions and those of the people that comprise it will maintain a scrupulous respect to the Human Rights and Public Liberties included in the Universal Declaration of Human Rights. But in addition, Grupo Aldesa subscribes to and encourages compliance with these Human Rights and avoids collaborating with those organizations that violate them. That is why it is committed to respecting all the provisions that the International Labour Organization (ILO) and the Global Compact have issued on this matter.

The Code of Ethics also requires that, in the same way, all members of Grupo Aldesa will ensure compliance with these provisions, paying special attention to those related to child and forced labour.

Likewise, Aldesa defends in its Code of Ethics that all Group employees have the right of association and the freedom to join a union, in which case it will collaborate with whatever means necessary so that employees can exercise this right, and that all Group employees can hold trade union positions according to the applicable legislation in each case.

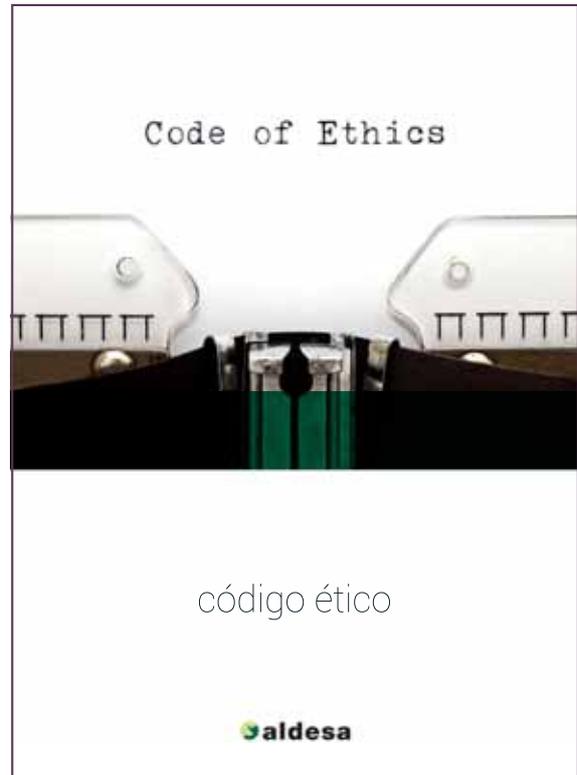


Another aspect covered is non-discrimination and equal-opportunity employment. In this sense, Grupo Aldesa does not allow any type of discrimination based on gender, race, sexual orientation, religious beliefs, political opinions, social status, disability, or any other circumstance that could be a source of discrimination. In addition, the people of the Group will promote equal-opportunity principles and will contribute to the generation of a diverse and integrated work environment.

The Ethical Code of Aldesa also addresses the protection of the environment, committing itself to the protection, respect, and preservation of the natural environment. Said commitment is assumed through the guidelines of its environmental policy. At the same time, it urges the members of Grupo Aldesa to protect and respect minimizing their negative environmental impacts that may be caused by the development of their activity.

A key aspect of the Code of Ethics is the fight against corruption. In a strict manner, Grupo Aldesa states that it will not tolerate or permit any type of corruption. The managers and employees, as well as any external person that lends their services to the Group, should behave in such a way that they do not induce a public official to violate their duties of impartiality or any legal precept in their relations with national public Administrations, third-party countries, or international organizations.

Grupo Aldesa prohibits the performance of any type of behaviour and/or activity aimed at unlawfully influencing the behaviour of a public official with the purpose of adopting or not adopting a decision that favours our company. For this purpose, Grupo Aldesa has compliance policies and specific control procedures in relation to these actions, which may even lead to the imposition of sanctions and which must be made known to all employees and executives of the company.



## The 10 Principles of the Global Compact

### Human rights



- 1 Businesses should support and respect the protection of internationally proclaimed human rights.
- 2 Businesses should make sure that they are not complicit in human rights abuses.

### Labour



- 3 Businesses should uphold the freedom of association and the effective recognition of the right to collective bargaining.
- 4 Businesses should eliminate all forms of forced and compulsory labour.
- 5 Businesses should ensure the effective abolition of child labour.
- 6 Businesses should eliminate discrimination in respect to employment and occupation.

### Environment



- 7 Businesses should support a precautionary approach to environmental challenges.
- 8 Businesses should undertake initiatives to promote greater environmental responsibility.
- 9 Businesses should encourage the development and diffusion of environmentally friendly technologies.

### Anti corruption



- 10 Companies should work against corruption in all its forms, including extortion and bribery.

# 3.4

## LABOR PRACTICES

### THE HUMAN CAPITAL OF ALDESA

At Aldesa, we believe that our human team and its knowledge, skills, competences, and commitment are the decisive factors on which the Group's success in the market depends. Therefore, Aldesa seeks to attract, preserve, and develop the best talent available in the market--professionals who demonstrate, in addition to their specific technical skills, highly developed personal skills and great motivation for a job well-done.

At Aldesa, we believe that only highly motivated employees lead to the success of the company. That is why Aldesa makes the motivation of its teams one of its irrevocable objectives, carrying out periodic motivation assessments and creating action plans according to their results in order to constantly improve and maintain indicators of motivation and commitment in the highest standards of each country in our sector.

We aspire to achieve a long-term employment relationship, for which we promote the professional reorientation, continuous education, and mobility of our employees.

We strive to achieve a dynamic, flexible work environment based on trust, in which the employee feels comfortable and can develop both professionally and personally.

We promote diversity, for this reason we do not consider aspects such as origin, nationality, race, religion, gender, or age of the workers. Our employees are treated exclusively according to their value and commitment.

In line with the aforementioned, Aldesa maintains a collaboration agreement with the Juan XXIII-Roncalli Foundation, dedicated to social assistance for people with intellectual disabilities, of any type and level, as well as their social-labour integration and social inclusion.

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Grupo Aldesa employs almost 3,000 professionals of 24 nationalities in 8 countries and in different lines of business, ranging from construction and the industrial sector to technological solutions or investment activities.

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During 2017, we have designed and shared an ambitious Equality Plan with the Company Committee that we intend to implement throughout 2018.

## DEVELOPMENT IN ALDESA

Aldesa's priorities include the professional development of all our workers and the help to reach their full potential, in order to generate high levels of motivation and performance in them and encourage them to strengthen their respective abilities.

Aldesa makes the detection and development of internal talent at all levels of the structure a priority, so that internal talent can assume motivating responsibilities appropriate to their abilities, putting the development of internal talent above the incorporation of people from outside the company as much as possible.

Every year, professional goals are set that have the dual function of motivating our employees and aligning their personal objectives with those of the company. These objectives will be reviewed by employee and supervisor at the end of the year to specify both the degree of achievement of and areas for improvement of the same.

As a result of this evaluation, a development plan is generated with concrete measures and actions that affect both the areas that could use improvement and the objectives that were not achieved.

In this way, various processes and methods are applied to promote the development of workers, among others: Training in the workplace, classroom training, E-Learning, rotation of the work positions, performance management, assignment of tasks at an international level, coaching.

All our actions aimed at professional development have, as their ultimate goal, to respond to future needs in terms of human resources that the strategy of the company will demand.

During the year 2017, Grupo Aldesa provided more than 20,000 hours of training activities to our employees in the different countries where it operates.

## SELECTION IN ALDESA

Recruitment and selection is the fundamental strategy by which Aldesa attracts and incorporates talent into the company, contributing to the proper functioning of the Group and the fulfilment of strategic business objectives.

We know that Aldesa's success depends on the quality of its employees. Therefore, Aldesa seeks to attract and hire the best personnel available in the market according to the needs of the business, considering their training, professional experience, specific technical skills, abilities, and compatibility with our values.

In the selection processes we do not consider aspects such as origin, nationality, race, religion, gender, or age, focusing only on the professional profile of each applicant.

The selection process at Aldesa responds to the strategic objectives of the Group, its operational needs, and to the possibilities of action in accordance with the development of each country. The department is based on four fundamental guiding principles:

- A. Global Management-Local Response
- B. Actions focused on business needs
- C. Flexibility of action
- D. Cost optimization

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During the year 2017, Aldesa carried out a total of 959 global selection processes distributed as follows:



## LABOUR RELATIONS AND WORKING CONDITIONS

To ensure the long-term success of the company, Aldesa favours communication with all its employees, both individually and collectively, and independently of whether they are represented on a regular basis by a committee; In addition, it promotes negotiation as a vehicle to reach individual labour agreements.

Aldesa understands that compensation is a priority factor in the consolidation of its human capital, which is why it strives to maintain a differentiated remuneration system compared to its competitors. The principles of action that guide our remuneration system are:

- Favour the attraction, hiring, and retention of the best professionals. Maintain coherence with the strategic positioning of the Group and with its development, with its international and multi-cultural reality, and with its objective of excellence.
- Recognize and reward the dedication, responsibility, and performance of all its professionals, in addition to respecting internal equity.
- Adapt to the different local realities in which the different entities of the Group operate.
- To be at the forefront of the market in coherence with the position achieved by the company.

## HEALTH AND SAFETY AT WORK

At Aldesa, we believe that the prevention of personal injuries and the protection of health are fundamental values for the recognition of business excellence. The safety and health of the people who work in the Group and the improvement of the conditions in which we carry out the project are priority and fundamental objectives.

All Grupo Aldesa employees are active and responsible elements for the implementation of the Health and Safety Policy. This includes all the people who work for the Group, regardless of whether they are employees or collaborating companies.

For Grupo Aldesa, occupational safety and health is at the same level of importance as profitability, quality, and production.

These principles are based on compliance with the following commitments:

- Based on the principle that all accidents, incidents, and occupational diseases can and should be avoided, to achieve a high level of safety at work, complying with current legislation, contractual obligations, and our own rules and procedures and, especially, the criteria of our clients.
- That the line of command will assume and enhance the integration of safety in the daily operation process, establishing as a basic principle that the best development of the activity is achieved with the highest degree of safety.



- To promote the participation and consultation of all workers in matters related to health and safety at work and to inform our workers of all the risks inherent in their work that may compromise their safety and health as a result of our activity.
- To achieve health and safety objectives, to allocate the necessary resources, to appropriately plan their use, in a continuous process of the improvement of working conditions. The establishment and revision of said objectives will be carried out in the different Health and Safety Monitoring Commissions.

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The integration of Occupational Risk Prevention is an essential element of Grupo Aldesa's business culture. It is a commitment at all levels of the organization, with the aim of having the best safety conditions at work and high levels of protection for all employees.

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Complying with the legal requirements in matters of Occupational Risk Prevention (ORP), the preventive activity in Grupo Aldesa is organized through our Independent Joint Prevention Service, and with the collaboration and support of the rest of the areas and departments of the organization.

In 2017, the companies of Grupo Aldesa in Spain submitted their ORP management to legal and compliance audits of the OHSAS 18001: 2007 standard (Occupational Health and Safety Management System), successfully passing them and making our organization among the leading companies in this field. This system not only satisfies legal requirements, but also establishes the requirements that organizations must meet in order to optimize the performance of their Occupational Health and Safety Management System. From the perspective of the employees, the risks associated with the activity carried out by the company are minimized, thereby obtaining the continuous improvement of working conditions and the getting closer to the objectives of eliminating risks and hazards such as "Zero Accidents."

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An effort has also been made in the promotion of the Policy and the management system for our subcontractors and collaborators, demanding their compliance in order to obtain the same level desired by Grupo Aldesa in its collaborations in our work centres. One of the measures is to include our Health and Safety Policy as a compliance requirement for each subcontractor in the Health and Safety Plans of each project.

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During the year 2017, the objectives established in the Prevention Plan have been met. The main actions consisted of an increase in information and specific training in the projects to promote compliance with legal requirements. Likewise, a constant and effective inspection of the different projects and work centres has been carried out where possible risks were detected and controlled in order to eliminate them and improve working conditions. At the same time, a special follow-up of the corrective actions has been carried out to significantly reduce the time that it takes to wrap-up the follow-up procedures.

One year later, the results of accident rates achieved in 2017 by the Group's companies are below the average levels of the sectors in which they carry out their respective activities.

The specific projects on health and safety management in 2017 aimed, on the one hand, to achieve a safe working environment and, on the other, to spread the commitment of Grupo Aldesa to the prevention of occupational hazards.

In Mexico, Aldesa has reached the milestones established in the Action Plan for the Prevention of Occupational Hazards scheduled for 2017, which is undoubtedly the result of the effort and commitment of the organization for the integration of Risk Prevention in all the levels of the organization. This effort has been fundamental to the maintenance of low accident rates, which are always well below those established in the sector. The maintenance of these results is due, to a large extent, to the efforts made by the organization in the supervision and control of the work in the different centres throughout all departments, ORP, and production.

During the past year the certification of the Occupational Health and Safety Management System under the OHSAS 18001: 2007 standard was successfully passed, since the Management System was certified in 2012, and the standardization in terms of security within the organization was strengthened.

Regarding Poland, excellent accident rate data have been maintained by carrying out different actions to strengthen the health and safety standards in the Group's work centres.

Some of these actions have been the revision and improvement of the Risk Prevention Management System, adapting it to the Polish context and legislation and successfully carrying out the communication and monitoring of its compliance in the organization.

Likewise, it is worth noting the establishment of specific Health and Safety technical procedures, as well as the implementation of the specific health and safety training plan.

Grupo Aldesa in Peru has worked very effectively in risk control in the diverse activities of the various awarded projects in 2017. In this sense, the certification under the OHSAS 18001: 2007 standard has been successfully passed, which means that all Grupo Aldesa countries are certified under this standard.

Among the main actions carried out by Aldesa in Peru during the past year, it is important to note the consolidation in the implementation, diffusion, and compliance of the Risk Prevention Management System, as well as the establishment and proper functioning of the Central Safety Committee and the Subcommittees in the various projects.

Equally important is the work done in internal training in terms of occupational health and safety training, which has also been extended to subcontracted personnel. Finally, it is observed that the accident rate data have been very positive in line with those obtained in previous years.

# 3.5

## ENVIRONMENT

It is a tradition for Grupo Aldesa to have an interest in achieving and demonstrating a high commitment of respect toward the environment and to preserve the natural environment is traditional. This commitment assumed by the Group is made public through the guidelines expressed in its environmental policy.

### Environmental policy

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- 1 Assume the commitment of environmental protection, including other commitments specific to its surroundings.
- 2 Comply with the applicable environmental legislation and regulations, as well as with the requirements that the company subscribes to.
- 3 Use processes, practices, or materials that prevent, reduce, or control pollution, under the commitment of prevention.
- 4 Continuously reinforce environmental management, to obtain improvements in the environmental performance of the company.
- 5 Establish and regularly review environmental objectives and goals, in accordance with the commitments assumed in this declaration.
- 6 Communicate to and involve the affected personnel about how to develop and apply the environmental management system.







These environmental policy principles are carried out within the framework of an Environmental Management System based on the ISO 14001 standard, which ensures compliance with the applicable environmental legislation and regulations. The main companies that make up Grupo Aldesa in Spain - Aldesa Construcciones, Proacon, Coalvi, and Acisa - have environmental management systems certified under the ISO 14001 standard.

## CONTAMINATION PREVENTION

Aldesa systematically establishes Environmental Management Plans in each of its works, in which the following actions are carried out, among others:

- The environmental aspects generated by the activities carried out in the projects (waste, atmospheric emissions, discharges and noise, mainly) are identified and evaluated. The criteria used to perform the evaluation on these environmental aspects are: nature and toxicity, magnitude, impact on the receiving environment, probability of occurrence, and severity of the consequences.
- Subsequently, the applicable environmental legislation is identified (for example, the state laws of the different regions and municipalities of the country), as well as the possible environmental requirements derived from licenses, authorizations, or environmental impact declarations. To facilitate this identification task, a specialized external service is available that punctually provides all the new legislations that are being approved.
- Once the requirements and obligations have been identified, actions are taken to be carried out by the workers and the collaborating companies. To this end, Environmental Inspection Programs (PIM) are established, which establish the inspections that must be carried out, those responsible for carrying them out, their frequency, and the results.

On a regular basis, environmental improvement actions are also established through the establishment of environmental objectives.

In the Construction Area, the main impact of the works is usually the volume of inert waste that is generated. It mainly consists of material from excavations and demolitions, debris, wood, or steel. In this way, and with the commitment of environmental improvement, we work to reduce the volumes generated from these wastes every day so that they do not end up being deposited in landfills. It begins with prevention, properly planning activities, and studying construction alternatives that avoid, reduce, and minimize the generation of waste. For the waste that cannot be avoided, alternatives are sought, such as reuse in the work itself or the shipment to other works that need land to be filled, thus preventing new quarries from being opened.

Another alternative to using a landfill is using the remaining material in the improvement of agricultural farms or environmental restorations. In these cases, restoration and preparation are carried out using the surplus clean earth left over from the works.

Wood, rebar remains, and metallic material are delivered to authorized entities for subsequent recycling. As for hazardous waste - such as empty containers of sprays, paints, resins, foams or silicones, and waste from machinery, such as brake fluids, filters, used oils, etc. -, they are separated and managed in each of the projects and centres through authorized companies.

Likewise, to avoid spills during the works, different retention systems for possible spills are established, as in the case of fuel storage. Other types of discharge, such as those resulting from the cleaning of the concrete mixer gutters or the bentonite slurries usually used in construction sites, are collected at clean points for further treatment.

Regarding the acoustic and atmospheric emissions control, a control of the machinery used in the works is carried out, demanding the correct preventive maintenance, as well as the use of recently manufactured machinery, also making sure that their official technical inspections are valid.

In the Industrial Area, similar environmental control guidelines are carried out, adapted to the specific activities and characteristics of this area.

The Recycling Policy at the Group's offices also includes the systematic collection of materials discarded daily, such as paper or toner from printers and photocopiers, through authorized companies for subsequent recycling and reuse, respectively. As telling data, during the year 2017 a total of 9.8 tons of paper and 708 kg of RAEE (Waste Electrical and Electronic Equipment) were recycled at the headquarters of Grupo Aldesa.



It is worth noting the continued use of IT tools applied to environmental management. Real-time information on environmental performance is available in all the projects and centres of the Group, and reports are issued that help in making decisions at all levels, facilitating the management of a greater number of environmental indicators.



## Environmental awareness

In order to complete the environmental improvement actions, Aldesa systematically carries out different awareness campaigns, aimed at both their own workers and the workers of the collaborating companies. These include the dissemination of action guidelines for sustainable management in offices and the publication of different best-practice manuals, covering the various activities in construction, machinery, masonry, structures, electrical installations, and finishes.

Aldesa also shares its environmental concern with suppliers and collaborating companies, especially when their activities can have a significant impact on the project, ensuring that its employees have the training and environmental awareness necessary to carry out their activities.

In Mexico, throughout the year 2017, the ISO 14001 certifications for the Environmental Management System (Construcciones Aldesem, Proacon, Aldesem Building, Mantenedora y Operadora de Caminos e Ingeniería y Servicios ADM) have been maintained.

The activities developed during the past year have focused on interacting more closely with the operation of the different businesses and developing practical tools to ensure compliance with the applicable requirements, specifically by number and type of works.

- The aspects and impacts generated during the different phases of construction are identified, such as site preparation, construction, and site abandonment, resulting in the evaluation of the consequential damage to the activities to be carried out within the area of influence.
- From the identification and evaluation of environmental aspects and impacts, operational controls are determined that serve as prevention and mitigation measures.
- The sources of contamination in each of the projects are identified and the waste is linked to each of its activities.
- Significant sources of contamination are disseminated to control, measure, and reduce electricity and water consumption, as well as to reduce waste.



- Preventive measures have been implemented for the control and management of waste through the improvement of clean points.
- The communities have been involved in the implementation of mitigation measures derived from emissions, waste, and other aspects generated during the construction phases.
- During the selection of materials and/or chemical products to be used, it is verified that they are friendly to the environment and that they comply with the applicable regulations. The place where each of the materials will be stored must come with the safety data sheet. Staff is trained in the proper handling of hazardous substances and wastes as a means of preventing mismanagement and disposal of them.
- Programs have been carried out to prevent and control environmental incidents. Through the action forms, an emergency plan is included to follow in the event of an environmental accident.

The collection and treatment of waste by managers endorsed by local environmental authorities are some of the activities carried out on a regular basis and that require more economic resources. The objective is to properly manage the waste generated during the execution of each project.

<b>Type of waste (tn)</b>			
	<b>SOLID URBAN WASTE</b>	<b>SPECIAL</b>	<b>DANGEROUS</b>
<b>C. Aldesem</b>	931.771	72594.2	30.998
<b>Proacón México</b>	1.56	26101.2	4.382
<b>ADM</b>	52.846	380.47	7.46
<b>Concesionaria</b>	10.35	-	0.400

Aldesa Construcciones Perú is certified under the ISO 14001 standard. Among the main actions carried out by Grupo Aldesa in Peru during the year 2017, The following are noteworthy:

- The identification of the different aspects and environmental impacts of the various activities of the works and of the central headquarters in accordance with our Environmental Management System, according to ISO 14001: 2004.
- The development of a Waste Management Plan that aims to establish the mechanism of selection, classification, storage, and final disposal of waste.
- The implantation of containers and collection points of solid waste in the different work fronts with the purpose of separating the solid waste in situ, and with this, an adequate handling of the solid waste.

The waste generated by our activities in Peru is managed as follows:

## Generation of domestic solid waste

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- 1 Temporary installation of solid waste containers (cylinders) for the segregated storage of solid waste.
- 2 Domestic waste will be made available to the Municipality of the locality.
- 3 The paper is recycled and delivered to “Aldeas Infantiles,” which offers the “Cumple Tu Papel” recycling program, which serves two functions: preventative measures in the environment and social responsibility, since the money that is received by the sale of paper is intended for the welfare of the neglected children served by this NGO.



## Generation of surplus material and hazardous waste

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(rags with greases, solvents, etc.)

- 1 Temporary installation of solid waste containers (cylinders) for the segregated storage of solid waste.
- 2 Placement of signs indicating the temporary storage.
- 3 Generation of records for the delivery and storage of hazardous waste.
- 4 Hiring an EPS-RS (companies that provide solid waste services) duly authorized by DIGESA for the proper disposal of hazardous waste.
- 5 Accounting for the quantities and types of hazardous waste generated.



The waste generated is reported to our clients' supervisors and the hazardous waste is reported to the General Directorate of Environmental Health (DIGESA).

There is also an Environmental Contingency Plan in the various projects, which describes the potential emergency situations that may arise in our activities, the necessary means for mitigation or environmental kits, procedures, and solutions.

In Poland, Aldesa Nowa Energia successfully passed the recertification audit in 2017 in accordance with ISO 14001.

In the field of raising awareness, an external company has been hired, which, regarding contracts, has provided continuous information on changes in regulations, training of all employees, internal audits, participation in conferences, as well as various activities in support of Grupo Aldesa's projects. In 2017, a series of courses focused on increasing the environmental awareness of employees continued, along with a series of evaluations derived from different aspects that require supervision during the projects, the follow-up of environmental legal requirements to ensure strict compliance in the various projects, and compliance with the requirements established in the environmental impact studies of the projects being executed.

The new QHSE plans have been prepared for our clients, investors, or contractual supervisors, which also include the identification and evaluation of the environmental aspects that affect each project, as well as the appropriate implementation of preventive measures to ensure the Group's optimal environmental performance. Aldesa in Poland perceives health and safety in construction sites as a priority issue; in other words, this is added value for our customers.

## SUSTAINABLE USE OF RESOURCES

Another of the highlights in the commitment to respecting the environment has been the control of the consumption of natural resources, among which are the consumption of water, fuel, and electricity.

In addition to worker-awareness, during the past year in Spain, concrete actions have been implemented to optimize the consumption of fuels during the works, as well as to adjust the working hours of generators in those cases in which their use is essential, as well as encouraging the use of more recently manufactured machinery; all this to ensure that the consumption of resources is lower.

Regarding the consumption of electricity that is usually more important in the offices, various adjustments have been made to reduce and optimize their consumption: power settings, schedule settings for start-up, and temperature adjustments according to the guidelines of the buildings. All this also contributes to the reduction of CO2 emissions.



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Energy efficiency studies are being carried out at Grupo Aldesa's headquarters, such as the replacement of current lighting with LED lighting, the placement of timers in various common areas, etc., which is expected to contribute to a continuous reduction of CO<sub>2</sub> emissions.

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During the year 2017, various awareness campaigns have been carried out in all the work centres in order to raise awareness among employees so that they can make responsible decisions about the consumption of water, fuel, and electricity. Likewise, audio-visual tools are used in order to improve and reinforce the effectiveness of the training provided.

In the case of Mexico, the rational use of natural resources is the main basis for the development of each of the projects that will be executed, using as a control the consumption register, the supply source, as is its intended use and/or the final arrangement. As a preliminary control in the impacts and environmental aspects matrix, it is verified that the supply source does not affect third parties.

During the control of solid particle emissions into the atmosphere, irrigation is carried out using treated water that comes from wells authorized by the National Water Commission (CONAGUA), verifying the authorized volumes.

The operational controls for significant energy and water use are also implemented through measurement, registration, and dissemination, as well as environmental activities to reduce their use taking indicators of best practices and other reference levels into account.

During the initial stages of a project, the use of resources that will be used will be planned, including the consumption of water and the energy sources necessary for its development.

All inputs and outputs of materials, resources, and waste are managed and controlled by appropriate Management and Control procedures and executed according to the characteristics of the activities that will be carried out.

For the promotion of the responsible consumption of materials and resources, an extended responsibility is assumed with the suppliers making a life-cycle analysis to ensure that the generated impact is the lowest possible.

In each of the projects, effective waste separation is implemented in order to generate on-site reuse and shipment to authorized recycling centres, creating an environmental consciousness for all interested parties.

There are also lists of environmentally friendly materials that comply with LEED standards, raising the levels and standards for the acquisition of raw materials.

In the case of Peru, the sustainable use of resources has been focused on the development of the following initiatives:

- Requirement of an authorization from the Water Authority (ANA) in works near water sources that are used for the processes of the project.
- Obtaining the corresponding permits for the proper use of water, counting and recording the amounts.
- To reduce the misuse and inadequate consumption of water, the plan for irrigation ways was implemented, carrying out the planning and control of discharged quantities as part of the production process and dust control.
- Signposting and protection for the use of water has been made. And workers and residents have also been made aware of the proper use of water sources.
- In the various projects that require it, the monitoring of water, soil, and air quality has been carried out, as part of our legal and contractual obligations.
- Through monitoring, the impacts that our activities could have on the environment are measured, the data of which are then compared with the Environmental Quality Standards (ECA) established by the MINAM (Ministry of the Environment), setting the maximum permitted values.
- The adaptation of the Environmental Management System to building projects subject to obtaining the LEED (Leadership in Energy & Environmental Design) certification, the sustainable building certification system developed by the Green Building Council of the United States. In the case of the JDA700 project, the construction process took into consideration what was requested by the LEED system.



## MITIGATION AND ADAPTATION TO CLIMATE CHANGE

Climate change is one of the main environmental problems of today's society. Reducing the emission of carbon dioxide into the atmosphere has become a fundamental concern in Grupo Aldesa, which is why it is one of its priority objectives.

Aldesa continues to promote initiatives and actions to reduce the ecological footprint and minimize the Emission of Greenhouse Gases (EGG), setting up a *reporting system*.

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The Emissions Inventory project aims to provide an accurate idea of the EGG generated in each activity to evaluate their situation against the competition and identify options for improvement.

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During 2017, the analysis and measurement of emissions continued, which includes two different scopes:

- Scope 1: Direct sources of emission. Are those directly associated with the productive activity.
- Scope 2: Indirect emissions. They are the emissions that are generated in an indirect way, for example, those issued to produce the electric energy that each company consumes

The growing energy consumption and the increase in the transport sector make it so that CO<sub>2</sub> emissions are now a serious problem to consider, since they are the main cause of global warming. Faced with this situation of environmental deterioration, Grupo Aldesa has strengthened environmental innovation by focusing its efforts on the production of energy from renewable sources:

- More efficient production of electricity from solar sources so that it can replace conventional sources with renewable sources, and the development of technologies that allow for energy storage.
- Creation of new systems for the production of hydrogen from renewable sources and mechanisms for its efficient storage.
- Implementation of energy efficiency improvements and CO<sub>2</sub> capture.
- Improvement of efficiency in the management of industrial waste.
- Creation of new solutions in the integral water cycle.
- Measurement of the impacts of the activity on the environment.

During 2017, the initiative to reduce emissions from the Group's vehicle fleet continued, maintaining its position as the main criterion for the selection of vehicles.



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As a result of the commitment to the reduction of CO<sub>2</sub> emissions, Grupo Aldesa has carried out during this year 2017, for the second consecutive year, the Voluntary Carbon Footprint Report. This report has been verified by the accredited Bureau Veritas and has been registered with the Ministry of the Environment.

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## TOTAL CO<sub>2</sub> EMISSIONS AND BREAKDOWN OF EMISSIONS ACCORDING TO SCOPE 1 AND SCOPE 2.

### Company emissions 2016

t CO <sub>2</sub> eq	ACISA	ALDESA CONSTRUCTION	ALDESA HOME	PROACON
<b>Reach 1</b> (Gasoil consumption)	618,5233	1713,12	9,4172	939,8659
<b>Reach 2</b> (Electrical consumption)	158,5247	368,6029	0	1,0724
t CO <sub>2</sub> eq	COALVI	ALDESA RENEWABLE	ALDESA GROUP	TOTAL
<b>Reach 1</b> (Gasoil consumption)	823,3619	9,6228	77,2846	4.191,20
<b>Reach 2</b> (Electrical consumption)	12,2598	225,4928	0	765,9526

Spreadsheets: "Carbon Footprint Calculator Scope 1+2 of the Ministry of Agriculture, Food, and the Environment V.10 Year 2016"



## **Breem sustainable building**

During the year 2017, new building construction projects were executed and will obtain BREEAM (Building Research Establishment Environmental Assessment Methodology) certification. This certification encourages a more sustainable construction that represents economic, environmental, and social benefits for all people linked to the life of a building (developers, owners, tenants, and/or users) while transferring the Corporate Social Responsibility of the company to the society and to the market in an unambiguous and easily perceivable way.

In this aspect, training actions have also been carried out on this environmental certification, given by the BREEAM Spain entity, to the different areas of the Group: Quality and Environmental Technicians, Construction Managers, Production Managers, Delegates, and Technicians in the areas of Studies and Offers.



In Mexico, the most relevant initiatives during the year 2017 related to the mitigation of climate change have been:

- As an indirect source identified in GHG emissions, the proper management of waste was contemplated, preventing it from being deposited in open dumps, and hiring only suppliers who complied with the measures requested by the authorities.
- Review of the amount and type of use made of significant fuels within the organization, with the objective of implementing programs to improve efficiency and effectiveness and reduce GHG emissions.
- Prevention and reduction of GHG emissions in the heating, ventilation, and air conditioning processes.
- During project planning, we actively participate with the client, giving different options for the acquisition of electrical equipment, materials, and accessories that are friendly to the environment, such as sanitary fixtures with water consumption savings, solvent-free paints, LED lighting, or air conditioning equipment with new technologies.
- The projects executed during the year 2017 were developed according to the environmental management system in which atmospheric emissions are controlled by means of registers. The use of fossil fuels for the generation of electrical energy and the operation of machinery was taken as an indicator (for this purpose, there are specific maintenance programs and proof of compliance).
- During the construction phase, all service and material suppliers that enter the site are informed and requested to apply best-practices in operating the machinery, such as turning off the engines when discharging materials or maintaining a constant speed, among others.

In Peru, for its part, the most outstanding measure focuses on the control of atmospheric emissions by the vehicular units (minor and major) used in the projects, considering the preventive maintenance programs of these units and seeing that they function properly.

## **PROTECTION OF THE ENVIRONMENT, BIODIVERSITY AND RESTORATION OF NATURAL HABITATS**

Grupo Aldesa ensures the preservation of the environments in which it carries out its services and works. For this purpose, it carries out a preliminary analysis of those environmental aspects that could interact with the environment, thus establishing the necessary preventive and protection measures.

These measures are included in the actions of the environmental management plans that are established in each of the works, including, as necessary, the corresponding environmental monitoring programs.

Particularly noteworthy are the actions associated with works that are carried out in areas of great environmental interest, especially located in Mexico and Peru.



## Mexico



- ✔ Measures are implemented to preserve threatened or endangered native species, through compliance with terms and conditions of environmental policies.
- ✔ The areas that are not established as an environmental management unit (UGA) are diagnosed, with conservation criteria, to minimize possible environmental impacts on the decisions of land use.
- ✔ Ecosystem restoration actions are carried out, through reforestations, drainage works, and filtering dams in impacted soils degraded by water and wind erosion.
- ✔ During the year 2017, it participated in the execution of projects located in areas of high ecological value in which the main objective before, during, and after the execution was the conservation and protection of flora and fauna, implementing plans and programs with strategies focused on the minimization of the impact it had on the environment.
- ✔ During the construction phase, monitoring and compliance with flora and fauna protection programs will be carried out, involving the competent authorities and other interested parties.
- ✔ At the final delivery of each project, it is verified that the provisional installations are completely removed, and the site is left the way it was at the beginning of the works.
- ✔ Mitigation measures are implemented to minimize the impact had on the different environmental components - water, flora, fauna, soil, and atmosphere - that make up the ecosystems in which it intervenes.
- ✔ Strategies are established to not include surfaces that include channels and protected natural areas during the planning and management of environmental procedures.
- ✔ Prior to starting the operations, rescue activities are carried out on the flora found within Nom 059, or on species that have an ecological or cultural value.
- ✔ The vegetal species in danger of extinction that are rescued are maintained in rustic nurseries and kept for a later relocation in areas similar to their original location.
- ✔ Techniques are carried out to drive away and relocate wildlife through trapping, photo trapping, and noise methods, prior to and during construction.
- ✔ According to the mitigation measures laid out in the environmental resolutions, the adaptation of fauna passages in biological corridors is carried out.

## Peru



- ✔ The environmental measures for the conservation of species of wild and domestic flora and fauna in the development of our activities are the following: the work of cutting and widening the existing area is taken care of, the clearing of the sectors of the path to be intervened, and the clearing of the auxiliary areas (removal, loading, and transport of surplus material). The zones are also limited, and the sectors or areas are defined to differentiate the slope limits in the cutting and widening of the project's path. Likewise, the personnel who carry out the work are oriented so that in the step of clearing and placing the material, they only operate within the limited area and alterations or impacts outside it are avoided.
- ✔ All personnel are oriented and made aware to avoid hunting, collecting, capturing, or committing aggression against wild animals. In addition, notices are placed about the passage of animals, as well as restrictive or prohibitive signs.
- ✔ In 2017, different actions for soil protection have been prioritized, using procedures to mitigate and prevent their contamination, such as the supply of fuel to machinery and vehicles using a tray and an anti-spillage kit for a possible contingency.
- ✔ Another way to prevent soil contamination is the placement of waterproof geomembranes in the deposits of hydrocarbons or its derivatives, so that, if an eventual spill occurs, they can be contained in situ. These deposits are properly covered avoiding that, due to the effects of precipitation, the remains of hydrocarbons fall to the ground and contaminate the surface.



# 3.6

## FAIR OPERATING PRACTICES

During the year 2017, Grupo Aldesa has implemented and developed a Compliance Model to reinforce its corporate values and ethical principles. This Model has collected the company's pre-existing control systems and has developed a working plan for improvements and operational guarantees, and for this, has established the Compliance Committee as the body in charge of supervising the implementation and operation of the Model, and which has granted it full powers, resources, and autonomy to carry out its obligations.

Likewise, Grupo Aldesa has a number of stringent processes to control corruption and money laundering, and it is committed to ensuring that its control systems comply with the highest international standards; therefore, it pays special attention to the implementation of improvements and developments of these systems.

Proof of this is the training imparted throughout 2017 both to its Board of Directors and its personnel of the principles that govern the company's Compliance Model and the Code of Ethics, including in this training the obligations of each employee to preserve these principles by making a complaint box available, using suggestions and questions as a fundamental instrument of control of the Compliance Model.

In addition, Grupo Aldesa has developed or improved procedures and policies that encourage honest and fair competition and that do not allow anti-competitive activities or exploitation in unfavourable contexts, through its Code of Ethics, Compliance Policy, internal procedures of the approval of bids, or through its committees for the approval of investments, among others.

It has also developed processes that defend intellectual property rights, such as its policies for the use of IT equipment, the SAM Policy (Software Asset Management), as well as those that promote social responsibility in the value chain, such is the case of clauses in contracts with suppliers, in order to ensure their commitment to the quality plan, respect for the environment, and compliance with health and safety regulations.



# 3.7

## ISSUES RELATES TO CLIENTS

### YOUR TRUST, OUR COMMITMENT

Aldesa is aware of the importance of its responsibilities with its customers in all areas of their relationship, therefore, it is committed to close and personalized customer service. Its public and private clients trust in Aldesa's experience in the sector committed to innovation, professionalism, and the guarantee of a brand whose motto is: "Your trust, our commitment." This commitment to continuous improvement and adaptation to customer needs has allowed Aldesa to develop its own label of post-sales services, "CQ Aldesa," guaranteeing quality in each of the residential building projects that it carries out in Spain.

This specialized service has three objectives: controlling all of the execution of the work from the beginning, advising and anticipating possible incidents that could arise after finishing the project; guaranteeing the required level of quality by minimizing the revisions and adjustments necessary to make once the homes are handed over to our customers; and customizing the homes according to the indications given by the buyer, allowing him or her to improve aspects of the future home under a strict monitoring protocol.

For this, CQ Aldesa is based on five phases: control of the execution with the preparation of monthly reports, personalization of homes (under the *YOURway* formula), control of finishes based on the pre-sale list issued by the project management, listings prior to the deed owned by the final client, and finally, service after signing the housing deed.

In this same manner of guaranteeing the satisfaction of our clients, one of Grupo Aldesa's main concerns is to understand and measure it. To this end, interviews and direct surveys are carried out periodically in which the client's point of view is gathered regarding the fulfillment of their expectations and the perception of the final quality of the work carried out. This serves as the basis for establishing improvements each year.



The satisfaction of the Group's clients is high, as can be seen from the satisfaction surveys carried out at the end of the contracted works and services. This fact is corroborated by the confidence of the clients when it comes to awarding Grupo Aldesa its principle projects.





During 2017, most of the quality objectives have been met in each of the company's functioning processes, ensuring the continuous improvement of the processes.

Grupo Aldesa also has resources that guarantee the protection of its clients' data, safeguarding their privacy while limiting both the collection of personal data, obtaining in any case the same data from the client, and the use of said data, discarding the use of this information for any purpose other than to contact the client or potential client for commercial or project follow-up purposes.

## COMMITMENT TO TRANSPARENCY

Communication in Aldesa is infused with the values of the organization, including responsible loyalty to its stakeholders and transparency in the dissemination of information, so that it is adequate, truthful, and verifiable. These values constitute the basis on which the Group's Code of Ethics is based. In fact, it explicitly demands the transparency and accuracy of the information it provides in its market, committing itself to truthfully and completely transmitting information about the company, in a way that allows shareholders, analysts, and other stakeholders to form objective judgments about Aldesa.

Grupo Aldesa carries out its communication and marketing activities in a transparent and responsible manner through tools and procedures that aim to provide clear, objective, and truthful information about its lines of business. At the same time, both the Group's corporate website and those of the various subsidiaries that comprise it act as a communication channel with its stakeholders, whether potential or current clients, suppliers, investors, or the communities where it operates, thus assuming a commitment to transparency and dialogue with all of them.



In fact, Aldesa has a Communication and Marketing policy with an objective of regulating the quality and quantity of internal and external communication efforts to align them with the Group's business objectives and to ensure that each piece of communication contributes to a better understanding of the business strategy and the level of commitment.

Likewise, it has a policy regarding donations, sponsorship, collaboration agreements, and patronage, applicable to the entire value chain of the Group, which underlines the commitment to the importance of establishing

guidelines based on integrity and collaboration. Thus, a series of requirements are required for the event in question so that Aldesa can support it, such as that this event is aligned with the company's Social Action objectives and with the lines of action included in this policy or that there are stakeholders among its audience. Likewise, in no case will those requests that may conflict with the law, the Aldesa Code of Ethics, or other Group policies be addressed.

## A TRUSTED PRODUCT

Grupo Aldesa has a traditional commitment to providing high quality products and services that it develops to its customers, which is transferred to their consumers or users. This commitment is made public through the Quality Policy, which guarantees that the final product is safe, reliable, and complies with all applicable specifications, standards. and codes.

The general objectives of the Quality Policy focus on:

- Consolidating quality as a basic element in the culture of Grupo Aldesa companies.
- Strengthen the recognition and sincere commitment of all staff with the Quality Policy.
- Strengthen the management of participatory quality that takes advantage of the capabilities of the entire workforce.
- Permanently optimize the overall business process.

### Quality policy



- 1 Ensure that the products and services provided to our Customers are safe, reliable, and meet the specifications, standards, legislation, and applicable codes.
- 2 Reduce failures.
- 3 Establish actions aimed at prevention, and not only at detection.
- 4 Supply products and services with a quality/price ratio that meets the expectations of our Clients.
- 5 Maintain permanent contact with Clients, collaborating on the improvement of our products and services.
- 6 Instruct, motivate, and involve all personnel in the management and development of the implemented Quality System.
- 6 Maintain the commitment to continuous improvement of the Quality Management System.

Grupo Aldesa believes that Quality Management Systems are essential to achieving the objectives set by the company, generating added value that facilitates compliance and exceeding the initial expectations of its customers.

In Spain, the different companies that make up Grupo Aldesa have Quality Management Systems implemented in all their work centres. Aldesa Construcciones, Proacon, Coalvi, and Acisa are certified under the ISO 9001:2015 standard, including the execution of all types of projects, as well as the different activities carried out in the Industrial area.

We must also highlight the unification and integration of the Quality Management Systems of Grupo Aldesa's companies, which have allowed us to combine criteria, establishing a single work system within the Group's companies and a more effective and efficient methodology in the analysis of data, favouring feedback of the System and, therefore, its improvement.

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### **Quality assured in each process and service**

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Grupo Aldesa establishes Quality Assurance Plans (PAC) in each work and service. Said plans contemplate, among other aspects:

- ✔ Review of the project for the detection of possible deficiencies, lack of definition, proposal of improvements, etc.
- ✔ Strict control of the documents used (necessary plans and technical documentation).
- ✔ Carrying out inspections documented in the receipt of the materials and their subsequent traceability, and controls and inspections at the beginning, during, and at the end of the execution of each work unit, or during the provision of each service, to ensure that they meet all the requirements set by the customers, as well as the legal and regulatory requirements of the application.



Likewise, each Plan includes the preparation and execution of tests through the main approved laboratories, where the materials used are controlled and the relevant final tests are carried out to ensure that the requirements of the project are met. A program of calibrations and verifications of the different measuring equipment used in the works is established to ensure that their measurements are correct. The optimal state of the machinery, the auxiliary means used, and of the collaborating companies are controlled and monitored.

It also ensures that all personnel the intervene in each of the phases of work, or in the provision of the service, have the qualification and skill in terms of training and experience necessary, and establishes a methodology for the evaluation of suppliers and subcontractors. All this guarantees that each and every one of the requirements of the project, the contract, and the expectations of the clients are met. Informative videos are also produced in order to improve and reinforce the effectiveness of the training that is given to the Group's workers about this matter.

## Quality-oriented IT applications

Grupo Aldesa has IT tools applied to Management that provide added value, with which it achieves:

- To manage and streamline Quality Systems through IT tools via the Internet.
- Real-time availability of information related to Quality of all works and centres of Grupo Aldesa.
- To guarantee the archiving of records by electronic means to avoid losses.
- To generate reports that help in decision-making at all levels and the management of a greater number of Indicators.
- To eliminate the use of paper to a large extent and minimize administrative tasks.
- To have a common platform applicable in all Grupo Aldesa companies.
- To have a solid and exportable solution with the possibility to grow and add new functionalities.

All these actions allow Grupo Aldesa to maintain a high degree of competitiveness within the respective sectors in which it operates, thereby continuously improving and meeting customer expectations.

## Involvement of suppliers and subcontractors

Grupo Aldesa considers it a priority to involve its suppliers and subcontractors in the goal of continuous improvement. That is why the management of purchases and subcontracts is a basic pillar within its Quality Management System.

A specific system is available that marks the steps that must be followed for the adequate management of purchases. It begins with an initial evaluation of the suppliers in which their capacity to supply products and services is analysed in accordance with the requirements demanded by Grupo Aldesa. They evaluate, among other aspects, the human and material resources available to them, the products or services certified by

accredited entities, as well as their commitment to respecting the environment.

This initial approval allows its incorporation into the database of the Group's approved suppliers, in which a specific activity group as well as an initial score are assigned.

When each of the jobs for which it has been hired is completed, a reassessment is carried out in which aspects such as compliance with deadlines, quality levels, environmental guidelines, and legal obligations are assessed, assigning a score. In this way, a classification of the suppliers is obtained according to the merits or demerits accumulated by the different works carried out. A minimum threshold is also set, below which the supplier is excluded as an approved supplier and is not again admitted until it credibly demonstrates that it has improved in those aspects. This database of approved suppliers is digitized, and its use and consultation are obligatory in all purchasing processes. Currently, the figure of 39,000 evaluated suppliers divided into four categories has been exceeded.

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Through an IT tool, the evaluation of suppliers is managed through Internet access so that all projects and work centres can transfer the information on the performance of each provider instantly and in real time, making the results of the evaluation take effect from the moment it is carried out in each work centre.

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Regarding Mexico, during 2017, the Integrated Management System for quality, the environment, and occupational health was re-certified in accordance with the ISO 9001, 14001, and OHSAS 18001 standards for the Group's companies that operate there: Construcciones Aldesem, Proacon, Aldesem Edificación, Mantenedora y Operadora de Caminos e Ingeniería, and Servicios ADM.

Work was carried out on the development of a Quality Manual applicable to Civil Works project centres (Proacon, and Aldesem Obra Civil) with the goal of working under the same directives.

Likewise, in the building unit, the standardization of operating procedures was carried out, focusing on the needs and realities of the business, with the goal of facilitating the integration of new collaborators into the teams of works already in progress, increasing and improving the mobility of collaborators in the different operational areas, and covering all the actions required for the execution of the projects and optimizing the assigned economic resources, as well as the management of subcontractors.

For the renewal of the certificates, Aldesa satisfactorily passed the sessions of external audits and certification processes and complied in detail with the approved internal audit program.

Among the actions of 2017, the following milestones stand out:

- Monitoring of the economic indicators implemented, as well as the development of new consumption indicators in work centres for civil works.
- Development of technical execution procedures for the Industrial business for renewable energy projects (wind farms, solar farms, etc.).



- Continued implementation of quarterly Management Committees in all the businesses, with the purpose of presenting the approved advancements and/or improvements of the Group's preventive activities and objectives.
- Implementation of monthly quality meetings in conjunction with Management to monitor the different work centres in the Infrastructure area.
- Verification that the protocol established for the control of the "Dead File" complies with the expected results, in order to correctly store and control the information.
- Development of a "Communication Plan" for the Infrastructure area in order to have better internal and external documentary control in each of the work centres.
- Beginning of the implementation of action plans for the development of the procedures of each one of the areas involved in the organization.
- Start of the Integral Management System transition for the updates of the ISO 9001 and ISO 14001 standards.

Regarding Peru, among the main actions carried out by Grupo Aldesa in 2017, the following stand out:

- Establishment and fulfilment of Strategic Objectives of Quality Management according to ISO 9001.
- Satisfaction Evaluation of our clients during and at the end of our projects, adopting measures in order to continuously improve our clients' perception.
- Establishment of increasing satisfaction as a quality objective, obtaining an average  $\geq 3$ .
- Establishment of Process Indicators that allow for mediation of the objectives of each one of the areas of Aldesa Peru.

- Monitoring of certification of ISO 9001:2008 Standard, "Quality Management System."
- Review of the Quality Plans according to what is established in our quality management system.
- Continue with the implementation of the new ISO 9001:2015 standards.

In Poland, Aldesa Nowa Energia successfully passed a re-certification audit in 2017 in accordance with ISO 9001, a relevant fact that consolidates the culture of continuous improvement of Aldesa's work in this country.

Work has continued in accordance with the procedures implemented and the internal processes of the company, together with the development and continuous improvement of the quality standards. Among others, for example, through customer orientation in a process-focused approach to improve the efficiency and flexibility of the organization as a whole, and continuous work in a system of planned and coordinated activities aimed at meeting and satisfying the requirements of the user while maintaining the necessary level of cost.

As a result of Grupo Aldesa's strong commitment to continuous improvement, the awareness and commitment of management and all teams has increased, so that the quality of the projects meets the requirements and expectations of our clients.

## SUSTAINABLE SOLUTIONS

Grupo Aldesa's vocation is to continue to be a solid reference for its clients in their commitment to R&D+i, investing each year in technical and human resources, as an activity essential to responding to the constant demand for new technologies and products based on sustainable processes.

At Grupo Aldesa, R&D+i is understood as a differentiator and driver of the activities and competences of the organization, guaranteeing the optimization of resources and improving both the quality and the efficiency of the services, for which it represents a strategic focus within the company's management model.

Due to the current situation of an increasingly globalized market and high competitiveness, innovation is a vital form of business growth. Grupo Aldesa, as a company that operates in sectors that demand products or services from strong R&D+i activity, it is convinced of the need to transfer knowledge and use progress and technology towards new international markets, being able to introduce innovations or launch new products within their potential priority business areas, thus increasing the competitiveness of the Group's companies on the international level, positioning itself at the forefront of the European and global technological vanguard.

The completion of the numerous R&D projects certified within Grupo Aldesa has generated a broad and innovative know-how that is currently being applied as a differentiating element of the organization, allowing the client to offer a technological leap in all countries in which it operates.

During 2017, Grupo Aldesa has consolidated the Technology Solutions Division. In this way, it has diversified and opted for more specific lines of business that respond to the current needs of customers by developing a range of proprietary solutions and advanced services with high added value in technology, which allow for the resolution of more critical issues and improve the processes, efficiency, profitability, and differentiation.

## Activities and Projects

A centralized monitoring of R&D&i activities, in accordance with the progressive but forceful task of coordination, detection, and promotion of innovative initiatives in all areas of the Group's activity, has fostered the effective management of technological projects related to sustainable construction, engineering, and telecommunications activities, along with an exhaustive work of improving documentation, which is reflected in the large number of projects qualified by accredited entities.

Grupo Aldesa currently has 75 outstanding certified projects, expecting a 10% increase in 2018. Many of these projects have also been supported by a multitude of organizations, such as the Centro de Desarrollo Tecnológico Industrial (Centre for Industrial Technological Development) (CDTI), the Junta de Andalucía, the Comunidad de Madrid, and the Ministerio de Industria, Energía y Turismo (Ministry of Industry, Energy, and Tourism) (MINETUR).

These projects range from the investigation of new construction processes for the improvement of technical and sustainable performance in unique works, to a system for detecting the wear of pantographs on electric railway vehicles for the optimization of the maintenance process.

Aldesa Construcciones, in its desire to promote knowledge through the fostering of innovation and research in the construction sector, has established a Collaboration Framework Agreement with the Spanish National Research Council (CSIC) in order to join forces --mutual advice, mutual counselling and continuous monitoring-- in the sustainable development of construction activities, mainly in the fields of building and urban and interurban transport infrastructures. This agreement has been successful in two ambitious projects in 2017:

“ In 2017, the Construction division focused its innovative activity on novel projects to optimize the execution of large civil works, the mitigation of environmental impact, sustainable building, and energy efficiency. ”



- Design of energy solutions for unique buildings based on critical sustainability criteria. Innovation in a local data network capable of integrating and optimizing the energy performance of a building based on information from a set of sensors and actuators located in local facilities and devices, relevant facilities or systems, and general Internet networks. This local micro-network of energy and data for buildings allows the fusion of energy and information flows in a distributed and open process template, using the available network in a well-defined, relevant demand that is not currently satisfied.
- Design and implementation of solutions based on the harnessing of solar energy within a self-sufficient transport system. Experimental transport unit powered by an intelligent data network dedicated to the management of self-sufficient and safe transport, within an energy plan capable of capturing, transforming, accumulating, and using solar and wind energy, accessible in the local environment to guarantee the satisfaction of the demand of each area at all times and conditions.

These projects are supported by the Centro para el Desarrollo Tecnológico Industrial (Centre for Industrial Technological Development) (CDTI) through the Operational Program, FEDER. In Madrid.

## Urban developments based on sustainability

The synergies between the Industrial Divisions and Technological Solutions, the main technological areas of the Group, have allowed the development of projects related to the intelligent management of traffic and transportation, industrial process engineering, and telecommunications. An important pillar of the company in recent years has been innovation in Smart Cities, researching diverse topics, such as the balance of emissions resulting from the prioritization of public transport, the generation of patterns through BigData analysis, cybersecurity, electromobility, cloud computing, and digital trust.



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## ACISA, as the main technological company, has initiated the development of new projects during 2017:

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**Intelligent platform for management and centralized control of interurban sections.** The present project aims to achieve the development of a centralized and complete management system for the devices in interurban sections, allowing the user to complete the management and control of the information of each of the devices that make up the system, providing monitoring, management, storage, maintenance, supervision, and administration modules in their interface, covering 100% of the operations carried out in a control centre.
 
  
- 
**R&D of an intelligent solution based on multi-point architecture for the efficient energy management of urban infrastructures.** Obtaining this new solution would mean a substantial technological improvement for ACISA, allowing the company to achieve an innovative management system with new, integrated communication functions that will optimize the capture of data, the processing of measurements taken, the remote-control management of the information received, and energy efficiency through the optimal balance of energy loads in the network.
 
  
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**Advanced e-mobility management system for Smartcities-ITS.** This innovative project makes it possible to develop a fully integrated and intelligent system that increases the efficiency and performance of actions by incorporating new communication functionalities that will cover the different technological needs detected in the field of Electric Vehicles and Smart Cities: relationship between loaders, alarm management, sending information to the clients' SmartPhones and those of the owners of the base load, obtaining automatic analysis and statistics based on BigData, OLGA, etc: IN FEATURED PICTURE..
 

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In 2017, these ambitious projects have achieved the support of the Centro para el Desarrollo Tecnológico Industrial (Center for Industrial Technological Development - CDTI) through the Operational Program, FEDER, of Andalusia and Madrid.



# 3.8

## ACTIVE PARTICIPATION AND COMMUNITY DEVELOPMENT

In the current economic environment of sustainability, the company must set goals that exceed the attainment of maximum benefit and establish not only an economic objective, but also a social objective. For this reason, the relationship of Aldesa's commitments with its stakeholders is laid out in its Social Action Program, which confirms the Group's will to generate a benefit for society, allocating resources that contribute to reducing social inequalities. This plan was designed to link the corporate strategy with the social and economic needs of the community.

“

Aldesa's social action focuses on the development of projects related to its activity that create value in the communities where the company is present, being able to contribute more than the mere execution of the project.

”

These projects are limited to two areas of activity: the promotion of infrastructure development in the poorest regions of the world and the social integration of people prone to discrimination in the communities where it operates.

The main strategic lines of action in this regard are the following:

- Access to basic infrastructure services that can generate value and improve quality of life.
- Development of initiatives aimed at training, development, and local or community employment in those countries where Grupo Aldesa operates.
- Active participation in education, sports, empowerment, and social community actions that generate value. Likewise, Aldesa supports cultural and sports development with the sponsorship of events that take place in the communities closest to the areas of activity where it conducts its business.
- Sustainable management of natural resources, health, and the environment.



## GENERATING SOCIAL TRUST IN THE COUNTRIES IN WHICH WE OPERATE

In Spain, Aldesa carries out different campaigns among its employees aimed at promoting collaboration with projects promoted by different NGOs.

For the eighth consecutive year, the blood donation campaign organized by the Cruz Roja Española (Spanish Red Cross) in other businesses was launched at Aldesa headquarters, encouraging all employees to participate in it and facilitating the use of a mobile unit from the Donation Centre. In 2017, the clothes donated by employees for the biannual "Armario Solidario" campaign went to Cáritas Sevilla (Seville Charity) and the victims of the earthquakes that shook Mexico last year.

At the same time, in 2017 the plastic caps collected throughout the year were allocated to the SEUR Foundation, thus supporting the Taponos para una nueva vida (Caps for a new life) project, which consists of the delivery of plastic caps to a recycling plant to help children with health problems.

In the Christmas campaign last year, the Group once again chose the Tarjeta Solidarias platform to send digital Christmas greetings, specifying the contribution to the Josep Carreras Foundation against leukaemia.

It is also worth noting, among the activities carried out by the Group's companies to transfer various aspects related to sustainability in their sector to the fabric of the business, the support given to the III Congreso en Construcción e Innovación AssetFutura (Third Congress in Construction and Innovation AssetFutura), organized by Aecma (Spanish Association of Construction Management) and by the Official College of Architects and Technical Surveyors of Madrid to analyse in depth the options regarding labels and certifications and healthy spaces.





## Employment support and development of skills

As part of the Corporate Social Responsibility Plan, Aldesa has set, among other objectives, to help people with difficulties finding work, encouraging that their incorporation into the labour market is of high quality, always based on their abilities and not on their limitations.

Grupo Aldesa's headquarters in Madrid once again welcomed the Solidarity Market of the Capacis Foundation, whose mission is the social and labour integration of people with disabilities, while also integrating other social and environmental concerns. The employees of the Group had the opportunity to purchase donated products and others made by the students themselves in their workshops. The money collected was used to finance the Aula Laboral (Work Classroom) project, where the Foundation provides training adapted to people with disabilities, enhancing their social skills for their incorporation into the professional world.

At the same time, as part of Aldesa's collaboration agreements with several Spanish universities in order to participate in the training of future professionals in the sector, it is worth mentioning the visit of the students from the Polytechnic School of Building of Barcelona of the Universitat Politècnica de Catalunya (EPSEB-UPC) to one of its works in progress. The objective of this visit was that the students could see first-hand the activities and controls that integrate the subject of Building Quality and what Aldesa carries out within its Integrated Management System of Prevention, Quality, and the Environment.

Aldesa develops a program in Madrid to recruit currently-unemployed masonry professionals, in collaboration with the Public State Employment Service (SEPE), Infojobs, Manpower, and the Norte Joven association. This program is intended for the long-term unemployed or those over 45 years old, as well as for vulnerable groups. In this first call, the objective was to hire a group of 40 masons. The collaboration with the SEPE also extends to an agreement with its Training School in order to make the Professionally Trained masons practice their trade in our works.



In Mexico, Aldesa has continued one more year with the support of the Make-A-Wish Foundation to fulfil the dreams of one of the children with a serious illnesses who rely on this organization to carry out the programme, thus developing processes of resilience that positively contribute to their recovery.

Likewise, in 2017, it sponsored and supported the 1st SEYSES Padel Benefit Tournament for the Foundation, Lo Que De Verdad Importa (What Really Matters), which aims to promote the development and dissemination of universal human, ethical, and moral values to the general public, fundamentally through undertaking cultural activities.

“ **Aldesa’s team turns to the victims of the earthquake in Mexico** ”

On September 19, 2017, a magnitude 7.1 earthquake shook the centre of Mexico, as well as the lives of many Mexicans. Aware of the devastating effects of the earthquake, from the beginning, workers and volunteers of Grupo Aldesa devoted their support to the society by putting our resources at their disposal: ambulances, care teams, machinery, and personnel.

Operationally, three main fronts of action were established: one in Jojutla (State of Morelos), which was one of the most affected areas, and the other two in Mexico City, tending to the desperate call of the people or the authorities themselves to cooperate in the tasks of debris removal and assistance to trapped people.

At Aldesa, we are very proud of our team for the extraordinary support they gave to the victims, working day and night in rescue work or getting involved in amassing any type of help needed (material for construction, relief, food, clothing, etc.). Thanks to the constant and selfless work of our Aldesa colleagues in Mexico, we were able to relocate seriously injured people to hospitals and contribute our grain of sand to rebuild several areas within the immense chaos caused by this type of tragedy.



In the field of volunteering, Aldesa supported the Volunteer Corps Ana María Munguía de Gómez with the collection of food and other essential goods to help in their daily expenses to families of children admitted for chronic diseases in the Federico Gómez Children's Hospital.

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Aldesa's main interest has been the environment since the beginning of its journey in Mexico. In 2017, *Concesionaria de Autopistas del Sureste (CAS)* maintained its commitment in this regard by participating in the Fifth Reforestation Campaign, this time in the Grupo Dragón wind farm, in the context of World Environment Day. 1,500 trees of different timber and ornamental species were donated--the same that were planted at the wind farm land located in the state of Chiapas. During the event, in which around 200 people participated, the leaders of the organizations were grateful for the collaboration of CAS, since, thanks to their important contribution and participation, they demonstrated their commitment to the environment by giving priority to the areas influenced



by the land conceded to highways, highlighting the teamwork achieved with the dependence and the support of the community of the municipality of Arriaga, with their participation.

During the past year, Aldesa also participated in the collection of electronic and electrical waste (*Reciclación*), organized by the *Secretaría del Medio Ambiente de la Ciudad de México* (Secretariat of the Environment of Mexico City), an event that took place over two days at the Autonomous Metropolitan University (UAM--XOCHIMILCO), delivering this type of waste (keyboards, printers, telephones, computer mice, chargers, cables, etc.) for adequate recycling management.

In the section of training and job placement, Aldesa has continued to be present in the most representative



forums on employment, such as the fairs organized by the National Autonomous University of Mexico (UNAM), which aim to facilitate the interaction of its undergraduate and graduate students with the main companies of employment in the country.

Among the sector's events committed to sustainable solutions, mention should be made of Aldesa's already traditional active participation in Mexico Wind Power, the exhibition and programme of international conferences on the most important wind energy in the country, and the Tenth Seminar of Road Engineering, AMIVTAC, where the challenges and solutions of large transport infrastructure projects were addressed, from significant technical situations to the relevant social contexts.

In Poland, Aldesa continued to carry out an educational campaign on electricity in 2017, consisting of workshops for fifth-year primary school students in schools near the Gdansk Przyjazn-Zydowo Kierzkowo power line. Specifically, last year, the workshops were held in 18 schools, involving nearly 500 students. As part of their natural science classes, students participated in workshops about the power of the electricity given by qualified monitors.

In the Christmas campaign, the greeting cards served to support the Dzieciom Foundation, which provides care to more than 33,000 sick and disabled children throughout Poland, providing funds for complicated operations, costly treatments, and long-term rehabilitation.



### **Involvement at all levels at Stepnica**

Aldesa has managed to get fully involved in the development of the community in Stepnica, the headquarters of the Glinki-Reclaw power line.

This city also hosted the educational campaign on electricity. Energy saving was the central theme of the workshops given by Aldesa engineers to primary school students. The students, who have just started their schooling, could learn about the solutions that provide savings in the electricity bill; for example, turning off electrical equipment when they are not in use, changing the traditional light bulbs for energy saving ones, or putting the computer on standby or sleep mode.

For Christmas, Aldesa subsidized gifts for children, which Santa Claus gave to all students between seven and nine years old in the same school.

In addition, a donation was made to the city's volunteer fire department, thanks to which equipment for one of the vehicles and radios could be purchased to improve communications.



Among the events in the sector that promote sustainable solutions, it is worth mentioning that the involvement of Aldesa in the Smart City Forum, which has been held in Poland for five years, is now complete, becoming a partner in 2017. Aldesa thus exhibits its experience in urban developments based on sustainability. The synergies between the Industrial and Technological Solutions Divisions, the main technological areas of the Group, have allowed the development of projects related to the intelligent management of traffic and transportation, industrial process engineering, and telecommunications. An important pillar of the company in recent years has been the innovation in Smart Cities, researching diverse topics, such as the balance of emissions resulting from the prioritization of public transport, the generation of patterns through BigData analysis, cybersecurity, electromobility, cloud computing, and digital trust.



During the past year, Aldesa also participated in the Fourth Edition of the Energía para Pomerania Conference, held in Szymbark, bringing together representatives of local and regional administrations, which will benefit from the construction of a 400kV line between Gdańsk Przyjazn and Zydowo Kierzkowo, as well as representatives of State Forests and regional offices for the protection of the environment.

Aldesa has focused its efforts in Peru on the close involvement in the local communities where it carries out its activity, as in the area of Pachacámac where the National Museum of Archaeology is being built. The most outstanding initiatives here were:

- Support for employment. Generation of employment among the local population, strengthening the economic development of the families dedicated to food sales.
- Emergency help. Deviation of the course of the Lurin River because of its flooding due to the climatic phenomenon, El Niño, benefiting the entire riverside area of the District of Lurin, where around 120 families live.

- Christmas campaign. Management and donation of 400 gifts for children up to ten years of age with few economic resources from the areas surrounding the work in the Fundo Mamacona Human Settlement.
- Supply of drinking water. Donation to the families of the Fundo Mamacona Human Settlement for drying the existing water wells in the area.
- Non-potable water supply. Donation of water cisterns for filling the lagoon belonging to the *Universidad del Pacífico* and preserving the various animal species of the area.
- Donations. A donation of supplies and non-perishable food is periodically made to the foster home *Caritas Felices Niño Jesús de Praga*, which houses about 45 girls, along with packages of household appliances and the participation in the cultural activity organized by the *Hermanas de la Parroquia Jesús Nazareno Diócesis de Lurín* for young people.



“

As a result of Aldesa's participation in the improvement and rehabilitation works of the Tacna-Collpa highway, on the border with Bolivia, different collaborations have been developed. Thus, employment has been generated through the hiring of local labour among the rural communities affected by the project, and investment has been stimulated by contracting the services from entities of the Comunidad de Campesinos de Alto Perú for the maintenance and cleaning of the facilities. During the Christmas campaign, donations of toys were made to the children of the Daniel Alcides Carrión de Hospicio-Palca school, and the First Alto Perú-Ancomarca Christmas Fair was organized, with the objective of encouraging the creativity of the students of the different educational institutes, benefiting 140 children between 2 and 12 years old.

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Aldesa's main project in Norway is located in Harstad, in the north of Norway, a city where a connecting tunnel is being built. The Group has maintained a strategy based on total cooperation. The project uses, as much as possible, local labour and subcontractors. It is estimated that 50% of the employees are local and that approximately two thirds of the work is carried out by subcontractors in the region.



In addition to providing added economic value to the city of Harstad, Aldesa also supports young people and children in the region. Aldesa Entreprenør sponsors the local football team, Landsås Football Club. The football club consists of 250 players from five to 35 years old.

In addition, Aldesa Entreprenør has begun discussions with the University of Tromsø (UiT) Harstad Campus on the possibility of students undertaking risk management workshops.

Finally, also noteworthy is the reforestation campaign associated with the railway work carried out by Aldesa in India. In addition to replanting along the layout of the work two weeks before the rainy season, the institutional visits leave a record of this endeavour by also planting a tree in the area surrounding the offices.



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