World-changing solutions

Global challenges, local solutions

ACCIONA contributes, through its solutions offer, to respond to some of the main challenges faced by the communities in which it operates, as well as to achieve the Sustainable Development Goals.

**NORTH AMERICA**

- Canada
- United States
- Mexico

**CENTRAL AND SOUTH AMERICA**

- Brazil
- Chile
- Colombia
- Costa Rica
- Ecuador
- Nicaragua
- Panama
- Paraguay
- Peru

**EUROPE**

- Germany
- Andorra
- Croatia
- Denmark
- Spain
- Hungary
- Italy
- Norway
- Poland
- Portugal
- United Kingdom
- Romania
- Turkey
- Ukraine

**MAIN SUSTAINABLE DEVELOPMENT CHALLENGES, BY REGION**

*ACCIONA, based on the SDG Index and Dashboards Report 2018.
INTEGRATED REPORT

KEY INDICATORS 2018

<table>
<thead>
<tr>
<th></th>
<th>AFRICA</th>
<th>NORTH AMERICA</th>
<th>CENTRAL AND SOUTH AMERICA</th>
<th>ASIA AND OCEANIA</th>
<th>EUROPE</th>
<th>SPAIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revenues (M€)</td>
<td>147</td>
<td>945</td>
<td>488</td>
<td>1,510</td>
<td>1,238</td>
<td>3,181</td>
</tr>
<tr>
<td>Renewable energy output (total GWh)</td>
<td>550</td>
<td>5,097</td>
<td>817</td>
<td>1,464</td>
<td>917</td>
<td>13,242</td>
</tr>
<tr>
<td>Water treated — desalinated, potabilised and purified (h)</td>
<td>110.7</td>
<td>0</td>
<td>7.9</td>
<td>195.7</td>
<td>151.7</td>
<td>323.9</td>
</tr>
</tbody>
</table>
ACCIONA aims to be a key player in mitigating the effects of global warming and in the transition towards a decarbonised energy model.

**ACTIVITIES**

Services based on 100% renewable energy

- **Design and construction**
  - Focus on wind and photovoltaic technologies.
  - Thermal and hydroelectric generation.

- **Asset upgrades and useful life extensions**
  - Wind farm repowering.
  - Maintenance to extend useful lives.

- **Energy supply**
  - Long-term contracts.

- **New renewable lines of business**
  - Storage.
  - Distributed generation.

- **Energy efficiency services**

- **Operation and maintenance of renewable assets**

Other energy services

**2018 IMPACTS**

- **Decarbonisation** of the electricity mix through the production of 22,087 GWh of clean energy, equivalent to the energy consumption of 6.3 M households.

- Renewable generation that **avoided the emission of 14.7 million tons of CO₂** in 2018.

- Driving the economy and local employment by working mainly with local suppliers.

- Creation of a business ecosystem and improved technological capacity.

- The **main socio-economic impacts** of renewable generation assets* are:
  - Contribution of 1,442 M€ to GDP.
  - Creation of 31,887 jobs.
  - Relief of water stress by saving 24.6 M m³ of water.
  - Improved air quality by avoiding the emission of 88,000 t SO₂ and NOₓ.

*According to ACCIONA’s specific socio-economic impact measurement methodology.
Services based on 100 % renewable energy

The company is a leader in the development, engineering, construction, operation and maintenance of renewable assets, with a model of growth guaranteed over time and more than 1.2 GW under construction in 2019, concentrated in the most mature and most competitive technologies: wind and solar photovoltaic.

In 2018, ACCIONA has increased the consolidated production in ownership by 10% with the entry into operation of new assets. It also obtained contracts in incipient markets that offer new business opportunities for the company. During the year, ACCIONA considerably increased its customer base, to which it offers a range of solutions and energy products: clean energy, capacity, green certificates, storage, traceability of origin, distributed generation, etc.

PRESENCE THROUGHOUT THE VALUE CHAIN

- Project development.
- Engineering and construction.
- Asset operation and maintenance.
- Management and sale of energy and energy services.

A KEY ACTOR IN THE INTERNATIONAL MARKET, GEOGRAPHICALLY DIVERSIFIED AND WITH COMPANY-OWNED ASSETS IN 16 COUNTRIES
EMISSIONS AVOIDED, BY COUNTRY, DUE TO THE PRODUCTION OF RENEWABLE ELECTRICITY IN 2018

<table>
<thead>
<tr>
<th>Countries</th>
<th>Installed capacity (MW)</th>
<th>Output (GWh)</th>
<th>Emissions avoided (t CO₂e)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>435</td>
<td>1,072</td>
<td>955,254</td>
</tr>
<tr>
<td>Canada</td>
<td>181</td>
<td>481</td>
<td>363,077</td>
</tr>
<tr>
<td>Chile</td>
<td>291</td>
<td>532</td>
<td>417,329</td>
</tr>
<tr>
<td>Costa Rica</td>
<td>50</td>
<td>285</td>
<td>193,928</td>
</tr>
<tr>
<td>Croatia</td>
<td>30</td>
<td>78</td>
<td>53,211</td>
</tr>
<tr>
<td>Egypt</td>
<td>165</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Spain</td>
<td>5,681</td>
<td>13,242</td>
<td>8,439,812</td>
</tr>
<tr>
<td>Hungary</td>
<td>24</td>
<td>42</td>
<td>28,988</td>
</tr>
<tr>
<td>India</td>
<td>164</td>
<td>392</td>
<td>351,930</td>
</tr>
<tr>
<td>Italy</td>
<td>156</td>
<td>223</td>
<td>116,494</td>
</tr>
<tr>
<td>Mexico</td>
<td>1,144</td>
<td>2,282</td>
<td>1,304,076</td>
</tr>
<tr>
<td>Poland</td>
<td>101</td>
<td>227</td>
<td>190,247</td>
</tr>
<tr>
<td>Portugal</td>
<td>165</td>
<td>347</td>
<td>216,626</td>
</tr>
<tr>
<td>South Africa</td>
<td>232</td>
<td>550</td>
<td>575,069</td>
</tr>
<tr>
<td>Ukraine</td>
<td>24</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>USA</td>
<td>785</td>
<td>2,334</td>
<td>1,542,299</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>9,627</strong></td>
<td><strong>22,087</strong></td>
<td><strong>14,748,341</strong></td>
</tr>
</tbody>
</table>

Design and construction

The company has extensive experience in the design and construction of renewable plants, both owned and for third parties, through its energy and industrial divisions.

Focus on wind and solar photovoltaic

Its scope of activity is currently focused on wind and photovoltaic technologies that are the most mature, and present high efficiency in continuous improvement as well as being the most economically competitive technologies in many markets. The short- and medium-term construction pipeline is focused on those technologies for the same reason.
COMPANY-OWNED ASSETS
UNDER CONSTRUCTION IN 2018-2019

Projects under construction in 2018 (1320 MW)
Projects due to commence construction in 2019 (613 MW)

<table>
<thead>
<tr>
<th>Project</th>
<th>Status</th>
<th>Capacity (MW)*</th>
<th>Country</th>
<th>Technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Puerto Libertad</td>
<td>●</td>
<td>404</td>
<td>Mexico</td>
<td>Photovoltaic</td>
</tr>
<tr>
<td>Benban Solar</td>
<td>●</td>
<td>186</td>
<td>Egypt</td>
<td>Photovoltaic</td>
</tr>
<tr>
<td>Dymerka</td>
<td>●</td>
<td>58</td>
<td>Ukraine</td>
<td>Photovoltaic</td>
</tr>
<tr>
<td>San Gabriel</td>
<td>●</td>
<td>183</td>
<td>Chile</td>
<td>Wind</td>
</tr>
<tr>
<td>Palmas Altas</td>
<td>●</td>
<td>145</td>
<td>USA</td>
<td>Wind</td>
</tr>
<tr>
<td>Mt Gellibrand</td>
<td>●</td>
<td>132</td>
<td>Australia</td>
<td>Wind</td>
</tr>
<tr>
<td>El Cortijo</td>
<td>●</td>
<td>183</td>
<td>Mexico</td>
<td>Wind</td>
</tr>
<tr>
<td>El Cabrito (Repowering)</td>
<td>●</td>
<td>30</td>
<td>Spain</td>
<td>Wind</td>
</tr>
<tr>
<td>Usyta</td>
<td>●</td>
<td>64</td>
<td>Chile</td>
<td>Photovoltaic</td>
</tr>
<tr>
<td>Almeyda</td>
<td>●</td>
<td>62</td>
<td>Chile</td>
<td>Photovoltaic</td>
</tr>
<tr>
<td>Tolpán</td>
<td>●</td>
<td>87</td>
<td>Chile</td>
<td>Wind</td>
</tr>
<tr>
<td>Las Estrellas</td>
<td>●</td>
<td>198</td>
<td>Mexico</td>
<td>Wind</td>
</tr>
<tr>
<td>Mortlake South</td>
<td>●</td>
<td>158</td>
<td>Australia</td>
<td>Wind</td>
</tr>
<tr>
<td>Gudzovka</td>
<td>●</td>
<td>26</td>
<td>Ukraine</td>
<td>Photovoltaic</td>
</tr>
<tr>
<td>Arczy</td>
<td>●</td>
<td>17.6</td>
<td>Ukraine</td>
<td>Photovoltaic</td>
</tr>
</tbody>
</table>

*MWp, in photovoltaic plants.

PROJECTED GROWTH, BY TECHNOLOGY

58 % Solar photovoltaic
42 % Wind

GEOGRAPHICAL DIVERSIFICATION

61 % Europe, Middle East & Africa
13 % America
26 % Asia-Pacific
IN 2018, THE COMPANY ACHIEVED A RECORD PIPELINE OF 1,320 MW UNDER CONSTRUCTION SIMULTANEOUNLY, ACCOMPANIED BY A 40 % REDUCTION IN THE ACCIDENT RATE WITH RESPECT TO 2017.

DYMERKA PHOTOVOLTAIC SOLAR PARK

- Investment: 55 M€.
- Design, construction and operation of the Dymerka photovoltaic complex, comprising three adjacent solar plants (Dymerka 2, 3 and 4) over an area of 92 hectares.
- Capacity: 57.6 MWp (44 MW rated).
- Technology: 174,552 polycrystalline silicon solar cells on fixed structures.
- Output: 63 GWh/year.
- Equivalent to the energy needs of 26,000 homes.
- Emissions avoided: 60,000 t CO₂/year.

Thermal and hydroelectric generation

At the end of 2018, ACCIONA had a total installed capacity of 1,001 MW (100 % renewable) in solar thermal (CSP) (64 MW), hydroelectric (876 MW) and biomass (61 MW).

ACCIONA ENTERS THE RENEWABLE ENERGY MARKET IN UKRAINE

Ukraine’s National Renewable Energy Plan aims for 35 % of electricity production to be from renewable sources by 2035.

In this context, ACCIONA started its first company-owned renewable energy project in Ukraine in 2018: the Dymerka photovoltaic complex. The energy it produces will be sold to Energorynok State Enterprise under a ten-year PPA (until 2029).

SERVICES TO THIRD PARTIES

THERMAL POWER GENERATION

- Construction of solar thermal, biomass, waste-to-energy, combined cycle and power generation plants.
- Performance of all the activities in the value chain that are required to achieve power generation plants, including commercial operation.
Modernisation and extension of assets’ useful lives

ACCIONA manages the extension of its facilities’ useful lives through predictive maintenance programmes based on Big Data, artificial intelligence and machine learning, which have a positive impact on the equipment’s durability.

Repowering wind farms

The degree of maturity attained by the asset portfolio in Spain (and, increasingly, in Europe) opens up new business opportunities linked to modernising and extending the useful lives of wind farms. The extension of the useful life, taking advantage of the high level of competitiveness achieved by this technology, will help to maximise the return on the assets.

UPGRADE AND MODERNISATION OF THE EL CABRITO WIND FARM

In 2018, ACCIONA upgraded the El Cabrito wind farm in the province of Cádiz (Spain), 23 years after it came into operation. The objective was to extend the plant’s useful life, improve its operational efficiency and minimise the visual and acoustic impact on the environment while maintaining the original installed capacity.

Before the upgrade

- Capacity: 30 MW.
- Wind turbines: 90 330 kW units.
- 90 units of 330kW
- Tower: lattice, 24–36 m hub height.
- Distance between turbines: 45–65 m.
- Output: 84.57 GWh per year.
- Equivalent energy consumption: 300,000 homes.

After the upgrade: 2018

- Capacity: 30 MW.
- Wind turbines: 8 Nordex N100/3000 and 4 AW70/1500.
- Tower: steel, 85 and 60 m hub height.
- Distance between turbines: 170–300 m.
- Output: 112 GWh per year (+16 % with respect to 1995).
- Equivalent energy consumption: 300,000 homes.
- Emissions avoided: 71,386 t CO₂/year.
Maintenance to extend useful lives

ACCIONA performs operation and maintenance tasks with an approach that combines preventive measures with prediction of the status of the assets in operation that are owned by third parties. This distinctive management approach helps extend the assets’ useful lives and availability, maximising output at a lower operating cost.

In 2018, ACCIONA increased the availability of its own assets to 96.9 %, 0.2 percentage points more than in 2017.

40 % of the green energy that the company produces each year in Spain is supplied to wholesale end customers. This reduces the risks associated with volatility in the wholesale market. Electricity supply customers also receive continuous support and can view their consumption history, price projections, and information about the CO₂ emissions avoided.

Renewable energy supply business

- 883 customers (875 in 2017).
- 3,140 supply points (2,580 in 2017).
- 6,330 GWh (5,660 in 2017).

Energy supply

ACCIONA manages the sale of 100 % renewable energy produced by its own facilities. It also manages the sale of renewable energy generated by other independent power producers (IPPs), which benefit from the company’s technical capacity and experience and from services adapted to their specific needs.

ACCIONA supplies renewable energy to large consumers in Spain and Portugal, and is the largest supplier of 100 % renewable energy in Spain. In 2018, it supplied 5,648 GWh of electricity with a guarantee of origin certified by Spain’s National Markets and Competition Commission (CNMC), i.e. 13.6 % of the electricity sold to customers in Spain with a guarantee of origin.
Long-term renewable energy contracts

There is a growing demand for Power Purchase Agreements (PPA) as a result of growing awareness among corporations interested in securing an electricity supply from renewable sources at a competitive price.

At the end of 2018, ACCIONA had a portfolio of 8 corporate PPA clients, to which it supplies about 1,800 GWh of clean energy each year.

ENERGY SUPPLIED

<table>
<thead>
<tr>
<th>Year</th>
<th>Energy supplied (GWh)</th>
<th>N° clientes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>2015</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>2016</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>2017</td>
<td>5</td>
<td>8</td>
</tr>
<tr>
<td>2018</td>
<td></td>
<td>8</td>
</tr>
</tbody>
</table>

Corporate Power Purchase Agreements

In 2018, new agreements were signed for the sale of renewable energy to large corporate clients, equivalent to an estimated total production of 1,849 GWh/year. Specifically, agreements were reached with Aguas Chañar, ENAMI and LATAM Airlines, all in Chile.

GReEnCHAIN: A PLATFORM FOR TRACING THE RENEWABLE ORIGIN OF ENERGY SUPPLIED

In 2018, ACCIONA developed a tool using blockchain technology that provides customers in Spain and Portugal with real-time information on the origin of the energy they consume.

In 2019, the company will extend the use of this technology to new markets, with a focus on countries that lack an established system for accrediting energy’s renewable origin.

The company also pioneered the use of blockchain for ensuring traceability of the renewable origin of energy in generation plants with storage. Specifically, the STORECHAIN project applied this technology in two facilities in Navarra (Spain): a wind farm with storage (Barazoain) and a solar photovoltaic farm with storage (Tudela).
New business lines in renewable energy

Storage

ACCIONA is actively working on the design of storage solutions hybridised with renewable power generation, such as those applied at the Barásoain plant (Navarra, Spain). In 2018, this plant was the first in the world to be certified (by DNV GL) as a grid-connected electricity storage facility.

Distributed power generation

ACCIONA is aware that distributed generation of renewable energy will play a key role in the future of energy as a competitive, sustainable and reliable system, which is why it has developed several distributed generation solutions within its product portfolio. Its solutions include several types of standard microgrid designed to meet the needs of residential, commercial and industrial customers, both on-grid and off-grid.

The value proposition is to maximise generation from renewable sources, reduce electricity costs and reduce fossil fuel consumption with reliable, cost-effective solutions.

In 2018, it set up a photovoltaic project to reduce fuel consumption on Easter Island (Chile); the plant avoids the use of 200 litres of fossil fuel and the emission of 500 kg of CO₂ per day. The facility was donated to the island.

Additionally, through its participation in energy programmes designed by the Mexican government, ACCIONA was selected in 2017 to design, install and maintain photovoltaic systems using these microgrids to provide electricity to 720 homes in three Mexican states.

Energy efficiency services

Energy efficiency services are based on custom demand management surveys. This analysis is used to define a development model that will contribute to reducing energy consumption and optimising operating conditions and processes in the facilities. The main energy efficiency services offered by ACCIONA are:

- Energy monitoring.
- Demand-side management.
- Energy audits and technical consulting.
- Sustainable building and energy rehabilitation.
- Monitoring of energy consumption.
- Measurement and verification of savings.
- Contracts for energy services.

MORTLAKE SOUTH WIND FARM

- Investment: 177 M€.
- Capacity: 157.5 MW + battery.
- Wind turbines: 35 Nordex 4.5 MW turbines, with 149 m diameter rotors and 73 m blades.
- Tower: 186 m high.
- Equivalent energy consumption: 80,000 homes.
- Emissions avoided: 532,000 t CO₂.

ACCIONA WILL BUILD ITS 5TH WIND FARM IN AUSTRALIA AND INCORPORATE STORAGE CAPACITY

In 2019, ACCIONA will build a company-owned 157.5 MW wind farm in Mortlake (Victoria, Australia), which was adjudicated to it in an auction convened by the State of Victoria.

The construction of this farm will increase company-owned wind capacity in Australia by 36%, to 592 MW.
In 2018, ACCIONA had 46 ongoing energy efficiency projects that will save more than 105,000 MWh, avoiding the emission of 24,216 tons of CO₂/year into the atmosphere.

Operation and maintenance of renewable assets

The company also operates and maintains renewable energy assets for clients. Its mission is to optimise energy production for its clients, driven essentially by innovation and continuous process improvement, working day-after-day to gain efficiency and minimise costs.

Other energy services

Through its industrial division, the company also designs and builds conventional energy installations on a turnkey basis.

- Storage, regasification, treatment, transportation and distribution of natural gas.
- Specialists in liquefied natural gas (LNG) terminals.
- Oil storage and refiner, both midstream and downstream, petrochemical and fertilizer projects.
- Execution of maritime works —jetties and dykes — with a large technology component.

90% of the industrial business in 2018 was associated with renewable energy

OIL & GAS

- > 4,200 MW WIND FARMS
- > 3,000 LOCATIONS

PHOTOVOLTAIC FARMS

62,699 kWp

SUBSTATIONS

85

TRANSMISSION NETWORKS AND SUBSTATIONS

- Construction of low-tension facilities, lines and substations up to 400 kV.
- More than 38 projects in Spain and 35 in the rest of the world since 2005.
**WATER INFRASTRUCTURE**

ACCIONA’s innovative water management approach seeks to overcome the challenges posed by water scarcity.

### ACTIVITIES

- Design and construction of water treatment plants
  - Water capture and drinking water.
  - Desalination of seawater and brackish water.
  - Wastewater treatment and reuse.
- Operation and maintenance
- Water concessions

### 2018 IMPACTS

- A total of 790 hm³ of water treated, purified and desalinated in 2018.
- Contribution to adaptation to climate change through the desalination of 204 hm³ in the MENA region using reverse osmosis, a technology that produces 6.4 times less GHG than the thermal desalination technologies existing in this region.
- Relief of water stress by treating more than one-third (295 hm³) of the total water treated in areas of water stress.
- Support for the economy and local employment.
- Creation of a business ecosystem and improved technological capacity.

ACCIONA is present in all stages of the water life cycle, from construction of water treatment plants (purification, desalination and wastewater treatment) to the operation and maintenance of distribution networks, sanitation and other services related to sustainable management of the resource.

ACCIONA is an established market leader that drives technology applications and the digitalisation of the industry.

In the short and medium term, the company is focused on optimising water prices, shortening lead times for large projects, and increasing the recurrence of its end-to-end management services.
**ACCIONA’S END-TO-END WATER CYCLE**

**KEY MANAGEMENT FACTORS**

**Resource protection and sustainable approach**
- Optimisation of natural resource consumption.
- Minimisation of polluting waste production in processes.
- Awareness-raising campaigns for end users.

**R&D and Innovation**

- Desalination: Elimination of salt and other minerals from seawater or brackish water to make it suitable for irrigation or human consumption.
- Purification: Water treatment for human consumption.
- Capture: Obtaining water from different sources.
- Distribution: Water distribution network maintenance.
- Reuse: Tertiary treatment for use in agriculture, urban parks and other activities.
- Treatment: Elimination of physical, chemical and biological pollutants from wastewater to attain the optimum quality for returning it to the environment.
- Sanitation: Sewer network maintenance.

**INNOVATION APPLIED TO PLANT DESIGN, EXECUTION AND OPERATION**
- Water metering
- Leak detection and control
- Smart irrigation
- Water quality monitoring
ADJUDICATION OF THE END-TO-END WATER SERVICE IN BOCA DEL RÍO MUNICIPALITY

- Investment: 800 M€.
- Location: Boca del Río municipality, in the Greater Veracruz district (Mexico).
- Duration: 30 years.
- Contract: public supply and distribution of drinking water, operation of the sewer network, and wastewater treatment. It includes an investment of 80 M€ to upgrade the network infrastructure so as to reduce water losses.
- Water managed: 20,600,250 m³.
- Customers: over 50,000 customers, who receive round-the-clock customer care based on transparency and underpinned by ICT.

LANDMARK PROJECTS IN EGYPT: CAPTURE, PURIFICATION AND WASTEWATER TREATMENT

Drinking water treatment plants

- **Almerya**
  Capacity: 200,000 m³/day.
  Population served: 2 million.

- **Rod el Farag**
  Capacity: 100,224 m³/day.
  Population served: 900,000.

- **Mostorod**
  Capacity: 110,000 m³/day.
  Population served: 1.2 million.

- **North Helwan I y II**
  Capacity: 100,000 m³/day.
  Population served: 900,000.

EXPANSION OF THE GABAL EL ASFAR TREATMENT PLANT

- Location: Cairo.
- Capacity: 500,000 m³/day (2,500,000 m³/day in total).
- Population served: 8 million.

Design and construction of water treatment plants

ACCIONA designs, builds and operates plants for treating drinking water, and reverse osmosis desalination, wastewater and water reuse plants, for municipal and industrial applications.

Water capture and drinking water

The company develops solutions for treating water to make it fit for human consumption. Overall, ACCIONA has built over 120 drinking water treatment plants with a total capacity of 8.5 million m³/day.
MORE THAN 120 DRINKING WATER PLANTS BUILT, SUPPLYING 31 MILLION PEOPLE AROUND THE WORLD

Desalination of seawater and brackish water

ACCIONA is a leader in desalination via reverse osmosis, which enhances water quality and has a lower environmental impact. The company uses the latest membranes and new energy recovery devices that complement desalination, optimising all the processes.

Desalination plant design and construction is currently the most competitive area of the water management and treatment business. In 2018, ACCIONA obtained major contracts in the Middle East, where water stress and scarcity will shape the development of societies in the coming decades and make it imperative to achieve effective solutions in a particularly arid climate.

OVER 80 DESALINATION PLANTS BUILT, WITH A CAPACITY OF 4.1 MILLION M³/DAY, SUPPLYING MORE THAN 22 MILLION PEOPLE AROUND THE WORLD

NEW CONTRACTS IN THE MIDDLE EAST: SAUDI ARABIA AND UNITED ARAB EMIRATES

Al Khobar I (Saudi Arabia)
- Investment: 200 M€.
- Location: Dhahran.
- Contract: Design project, with a one-year warranty.
- Capacity: 210,000 m³/day.
- Population served: 350,000.

Shuqaiq3 (Saudi Arabia)
- Investment: 750 M€.
- Location: Dhahran.
- Duration: 25 years.
- Contract: EPC contractor and majority partner in O&M. Includes classroom and practical training for the local community.
- Capacity: 450,000 m³/day.
- Population served: 2 million.

Jebel Ali (United Arab Emirates)
- Investment: 192 M€.
- Location: Dubai.
- Capacity: 182,000 m³/day.
- Population served: 700,000.
Wastewater treatment and reuse

ACCIONA designs optimal wastewater treatment solutions at the lowest possible installation cost with a view to subsequent operation and maintenance. The company has in-depth knowledge of wastewater treatment processes and adapts them to each project’s specific circumstances, in terms of population size, seasonal fluctuations, municipal or industrial water, visual and/or environmental impact, and discharge limits, making use of technology and innovation to provide optimal solutions for wastewater treatment.

ACCIONA also develops and builds tertiary treatment plants in response to the growing demand for water for agricultural uses, urban irrigation and recreational activities, or to recharge aquifers facing saltwater intrusion. ACCIONA researches and develops innovative technologies that optimise tertiary treatment processes for water reuse and other purposes.

Operation and maintenance

Maintenance also results in lower energy consumption, ensuring optimal processing performance, controlling water quality, and assuring proper management of sludge, waste and by-products from the treatment processes.

In 2018, ACCIONA continued to increase its O&M backlog by seeking new business opportunities in industries with significant water consumption. At the end of 2018, ACCIONA had over 160 operation and maintenance contracts for water treatment plants, both municipal and industrial.

Water concessions

ACCIONA provides service under the concession modality to 180 municipalities in Spain, Peru, Italy and Mexico serving a total of 13.58 million people.
CIVIL INFRASTRUCTURE

ACCIONA develops large infrastructure projects in markets and geographies with strong potential.

ACTIVITIES

- Roads and bridges
- Railways and tunnels
- Special structures
- Transport concessions

2018 IMPACTS

- Fuel savings, reduced pollutant emissions and improved air quality.
- Lower traffic congestion, spending on transport, and travel times.
- Support for the economy and local employment.
- Improved connectivity and cooperation between regions.
- Creation of a business ecosystem and enhanced technology capabilities.
- Release of land for public use.

ACCIONA uses the most advanced innovative techniques to execute projects, employing the most appropriate technologies in each case.

Performance and safety are two criteria used to maximise the company’s value proposition in the development of large infrastructure projects and they serve to differentiate it from its competitors in the construction industry.

The Specialised Business Units facilitate the development of complex projects by covering all phases of the value chain, from identifying opportunities to operation and maintenance of the completed works.
THROUGHOUT THE VALUE CHAIN

INITIAL DEFINITION
• Feasibility analysis.
• Standard contracts and infrastructure development models.
• Design and concept.
• Budgeting.
• General consulting, etc.

EXECUTION PHASE
• Technical and engineering design.
• Budget.
• Planning implementation and execution.
• Procurement and supplies.
• Construction.
• Technical support and control.
• Monitoring and tracking, etc.

OPERATING PHASE
• Start up.
• Operation.
• Maintenance.
• Monitoring and control.
• Support during operation.
• Proposals for improvement, application of efficiency measures, etc.

AT 31 DECEMBER 2018, THE COMPANY’S PORTFOLIO OF CIVIL ENGINEERING PROJECTS AMOUNTED TO 6,015 M€, OF WHICH 75 % WERE LOCATED OUTSIDE SPAIN

2018 PORTFOLIO

<table>
<thead>
<tr>
<th>Spain</th>
<th>International</th>
</tr>
</thead>
<tbody>
<tr>
<td>24.4 %</td>
<td>75.6 %</td>
</tr>
</tbody>
</table>

EXPERTS IN DESIGNING A BETTER PLANET
WORLD-CHANGING SOLUTIONS
Roads and bridges

For ACCIONA, road and bridge development covers all the phases of a project: from bidding, through design and construction to maintaining the completed infrastructure. In 2018, ACCIONA maintained a selective approach to bidding in this market, from the standpoint of risk management and local regulation, and obtained major contracts in Norway, Australia and Spain for private sector clients and infrastructure funds.

In the area of innovation in road and bridge development, ACCIONA has begun to compile data from the toll roads it manages using sensors and other devices in order to improve infrastructure planning and design, with a focus on solving problems and responding to end user demand.

5,300 KM OF ROADS AND OVER 600 BRIDGES IN THE LAST 10 YEARS

E-6 RANHEIM VÆRNES TOLL ROAD, NORWAY

- Investment: 410 M€.
- Location: Ranheim-Vaernes, Norway.
- Contract: design and construction of 23 km of four-lane toll road including underground, four tunnels measuring 1-4 km, and the construction of 8 bridges. Includes traffic management and building temporary detours to maintain traffic flow during construction.
- Duration: Work to begin in 2019 and to be completed in 2024.

PAN-AMERICAN HIGHWAY, PANAMA

- Location: Arraiján, West Panama province.
- Contract: design, construction and maintenance of 12 km of road with 3 lanes in each direction, 2 reversible central lanes.
- Impact: alleviate congestion on the route, where 2-hour traffic jams are standard.
- Socio-economic impact:
  - Contribution to GDP: 146 M€.
  - Job creation: 3,887 job-years*.
  - Emissions avoided as a result of a 20% reduction in fuel consumption caused by improved traffic flow: 8,148 t CO₂/year.

Railways and tunnels

In the last 25 years, ACCIONA has participated in the development of railway projects — high speed, conventional and underground — in many countries. Railway and tunnel construction covers all phases of the process, from feasibility studies and design to construction, work supervision and maintenance.

1,700 KM OF HIGH-SPEED RAILWAY LINES, 150 KM OF TUNNELS, 250 STATIONS AND 1,140 VIADUCTS WORLDWIDE

ACCIÓN stands out by using distinctive digging techniques that combine geotechnical research and optimisation of working conditions inside tunnels with modernised ventilation systems, enabling it to achieve higher performance in executing underground works and set new tunnelling speed records.

*Job-year: a full-time equivalent job lasting one year.
INTEGRATION OF GEOTECH AND NEW CONTRACTS IN 2018

In 2017, ACCIONA signed an agreement to acquire the Geotech Group, a company specialised in engineering and construction in Australia and New Zealand, to channel civil engineering projects in those markets through its new subsidiary, ACCIONA Geotech Holding.

Since its acquisition, the company has signed new contracts to upgrade railway lines and eliminate level crossings in Australia.

Specifically, in 2018 the company was awarded contracts to modernise the Ballarat railway line (worth 360 M€) and to remove level crossings in the State of Victoria, at an investment of 382 M€.

FOLLO LINE TUNNELS

- Investment: 1,000 M€.
- Location: Norway.
- Contract: Design and construction (EPC) of twin-bore tunnels through rock, each measuring 19.5 km in length with a diameter of 8.8 m, and development of railway installations (except signage).
- Machinery: double-shield TBM's measuring 150 m, each weighing 2,400 tons.

Special structures

ACCIÓN offers solutions for the development of dikes and waterworks, including the design and construction of ports, dams and shipyards. The company stands out because it excels at executing complex projects with a strong innovation component and it can incorporate new construction techniques and materials into the processes.

A key factor in large port works is its caisson production technology; the company's fleet of caisson barges can produce concrete caissons up to 70 metres long, 36 metres wide and 35 metres high within a space of ten days.

In 2018, the company was involved in building some of the largest dams in Europe, Africa and South America. It is currently involved in the construction of one of the largest water projects in North America, the Site C Dam in Canada.

SITE C CLEAN ENERGY HYDROELECTRIC PLANT

- Investment: 1,750 M CAD.
- Location: Canada.
- Contract: construction of a 1,050 m long earthen dam 60 m above the river. It includes the construction of 2 twin bypass tunnels and a foundation of 800 m of compacted concrete to improve the plant’s seismic resilience.
- Storage capacity: 20 million m³.
- Capacity and output: 1,100 MW, and 5,100 GWh of electricity per year, enough to supply electricity to 450,000 homes in British Columbia.

Transport concessions

ACCIÓN is one of the world’s leading transport infrastructure managers, in terms of both the number of projects and total revenues, and it selectively seeks opportunities for investment and greenfield development with a view to managing all phases of the project life cycle to high standards of excellence.

Further information in the Impact and transformation of society section on page 84, and in the map of Canada on pages 92 – 93.

1 Tunnel Boring Machine.
In 2018, the Concessions area worked on the development of a new strategic plan for the coming years involving a more diversified approach and focused on greater participation in profitable, sustainable capital investments. The company is exploring new opportunities in the field of transport concessions, among others.

**KEY FACTORS FOR THE FUTURE**

- **60.2 bn**  
  PROJECT PIPELINE
- **45 %**  
  OPPORTUNITIES IN NEW GEOGRAPHIES
- **25 % - 50 %**  
  EQUITY STAKE

Further information in the section on ‘Social concessions’ under ‘Sustainable cities’
Rapid growth by cities creates the need for new services. The activities that ACCIONA creates and undertakes are focused on improving citizens’ lives.

**ACTIVITIES**

- **Urban mobility**
  - Mass transit.
  - Infrastructure tunnelling.
  - Shared and electric mobility.
  - Airport services.
  - Other transport services.

- **Development of the urban environment**
  - Waste management: circular economy.
  - Efficient water use.
  - Real estate development.
  - Cleaning, maintenance and upkeep of public spaces in cities.

- **Social infrastructure concessions**

**2018 IMPACTS**

- Fuel savings, reduced pollutant emissions and improved air quality.
- Reduction in traffic congestion, spending on transport, and travel times.
- Driving the economy and local employment by working mainly with local suppliers.
- Improved connectivity and cooperation between communities.
- Creation of a business ecosystem and improved technological capacity.
- Release of land for public use, expansion of green areas and rehabilitation of urban spaces.
- Reduction in noise pollution.

In addition to providing access to essential services, such as energy and water, ACCIONA contributes to making cities into productive living spaces, favouring people’s socio-economic development.

Improvements to infrastructure network and transport connections, revitalisation of cities through housing development, and appropriate management of citizens’ surroundings are addressed with a sustainable approach to improve living standards for city dwellers.
Urban mobility

Growth in urban populations poses a challenge to mobility services — more urban congestion, consequences of traffic jams, and impact on the quality of life and the environment — and favours the appearance of new opportunities to respond to this challenge in line with the cultural change among younger generations and restrictions imposed on combustion vehicles.

Mass transit

ACCIONA is a leading player in the development of mass transit solutions (underground, trams, high-speed rail, light rail).

QUITO METRO (ECUADOR)

- Contract: Tunnel 22.6 km long, with 13 stations, trainset depot, workshops and the necessary railway installations for commissioning.
- Estimated traffic 400,000 people/day.
- Impact: savings of US$ 50 million/year on fuel and a reduction in emissions of 67,000 t CO₂/year. Record in tunnelling productivity certified by German company Herrenknecht.

Infrastructure tunnelling

The company is to putting infrastructure underground in order to free space at ground level and improve mobility in cities.

LEGACY WAY TUNNEL (AUSTRALIA)

- Contract: design, construction, operation and maintenance of a 7 km dual carriageway running through 4.6 km twin-bore tunnel.
- Machinery: 2 tunnel-boring machines (TBM) over 100 metres long, weighing 2,800 tons and with a diameter of 12.4 metres.
- Duration: 10 years.
- Execution periods: average progress of 701.8 m/month, setting world records for tunnel digging speed.
- Emissions avoided by the chosen rubble disposal method: 1,021.37 t CO₂.
- Improved traffic flow and time savings: trip time halved to 14 minutes.
- Other impacts: over 10,403 trips avoided, reduction in noise, pollution and dust.
- Awards: Brisbane Lord Mayor’s Award for Innovation (2012), 2013 International Tunnelling Project of the Year, International Association of Public Participation, Winner in the Infrastructure category (2014), International Road Federation, Award for Environmental Excellence (2014), and Infrastructure Partnerships Australia Project of the Year (2015).
Airport Services

ACCIONA offers ground handling services for passengers and aircraft in line with airlines’ and airports’ specific needs. The main services it delivers are: passenger handling (check-in, boarding, attention to passengers with reduced mobility), operations (stowage, coordination with crews), ramp (loading and unloading the plane, transporting crews and passengers on the apron, pushing and towing planes) and cargo (cargo terminal management).

Since it entered this business in 1994, when the sector was liberalised in Spain and Germany, the company has operated at several levels in both countries’ main airports (Madrid, Barcelona, Palma de Mallorca, Tenerife, Las Palmas, Alicante, Berlin, Frankfurt, Hamburg and Düsseldorf). This activity began to expand into Latin America in 2016 with its entry into new markets such as Chile (2016) and Argentina (2018). The main milestone in this process was the acquisition of Andes from airline LATAM, which included a long-term contract for ramp services for LATAM in Santiago.

In its overall network in Europe and the Americas, ACCIONA provides handling services to more than 100 airlines at 22 airports, serving 100,000 flights per year.

Shared and electric mobility

In 2018, the company launched its first sustainable mobility solution — ACCIONA Mobility — by deploying over 1,000 electric scooters in Spain, first in Madrid and later in Barcelona, Seville and Valencia; the scooters are powered by 100% renewable electricity and offer superior range and power in comparison with existing services. As an awareness-raising exercise, users receive real-time information on the CO₂ emissions they have avoided on their trip.

- 1,250,000 km travelled, equivalent to 25 trips around the world.
- 105 t CO₂ avoided.
- 40% shift to sustainable means of transport.
- 61,159 m² net space freed.

Other transport services

ACCIONA provides international freight and private rail transport services.

FORWARDING

- End-to-end management of international freight shipping.
- Extensive network of company offices in Spain and Latin America and of correspondents worldwide.
- Presence in the air, maritime and multimodal sectors and customs clearance.

RAIL

- Private rail transport.
- Highly qualified drivers and planning and operations personnel.
- Train cleaning and ticketing services.

Development of the urban environment

Waste management: circular economy

ACCIONA’s solutions set in the field of waste management is based on maximising efficiency in waste collection and transport, and improving reuse and recovery volumes. The company relies on technology and innovation in order to design optimised routes, sensorise bins and obtain new materials, as well as in district heating and in the production of energy from waste.

In 2018, ACCIONA was awarded the contract to build Australia’s first large-scale energy-from-waste plant in Kwinana, Perth; this is a milestone in the development of this technology, which contributes to reducing the use of landfills by using waste to produce electricity.
ACCIONA BUILDS AUSTRALIA’S FIRST WASTE-TO-ENERGY PLANT

KWINANA (AUSTRALIA): WASTE-TO-ENERGY

- Investment: 434 M€.
- Contract: engineering, procurement and construction (EPC).
- Duration: 36 months from October 2018.
- Processing capacity and electricity generating capacity: 400,000 t of waste, 36 MW of electricity.
- Up to 800 jobs will be created during the construction phase.

In 2019, ACCIONA entered the UK market with the award of a contract to build a new waste treatment plant, including waste-to-energy technology, in Aberdeen at a cost of 175 M€.

Efficient water use

For the last 5 years, ACCIONA has been participating in “smart water cities” projects that promote the integration and transformation of networks under an approach that covers event detection, service efficiency, customer interaction and progress towards industry 4.0.

SMART WATER CONSUMPTION IN BURGOS (SPAIN)

Project SWING (Smart Water Innovation Network in the city of Burgos) consists of implementing an integrated drinking water network management system that allows real-time remote monitoring of water quality and water meters and of the status of the water mains network in the city of Burgos, Spain. Over the last four years, ACCIONA has implemented a drinking water supply management system which allows for water quality, water consumption and network status to be monitored remotely in real time.
Real estate development

The company is committed to real estate development and a range of complementary services aimed at driving sustainable growth of cities, in line with global urbanisation trends.

REAL ESTATE DEVELOPMENT

- Residential development in Spain
- Residential development in other countries
- Other commercial real estate

<table>
<thead>
<tr>
<th>794 M€</th>
<th>430</th>
<th>92,000 m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASSET VALUE</td>
<td>HOMES DELIVERED</td>
<td>TERTIARY ASSETS BEING OPERATED**</td>
</tr>
</tbody>
</table>

* Total stock of homes to be built plus those already available for sale, and land owned by the company.
** For rental or other activities.

In 2018, the company accelerated the process of international expansion by investing 75 M€, taking advantage of growth opportunities and the favourable cycle position in the sector, mainly in Mexico and Portugal, and it is considering expansion into other countries in Latin America and Europe.

ACCIÓNNA IN MEXICO

- Up to 2018, it focused on luxury housing, having delivered over 2,000 homes in Mexico City and Acapulco.
- Expansion of the portfolio to the mid-market segment, with new locations in Mexico City (Insurgentes, Polanco and Colonia Roma), Playa del Carmen (700 homes) and Guadalajara (200 homes).

ACCIÓNNA IN PORTUGAL

- Acquisition of 2 sites in Lisbon for the development of approximately 110 homes in partnership with one of Portugal’s leading property developers.
- Residential building for rehabilitation in the Estrella district, and a site in the Graça district, adjoining Alfama, will contribute to the revitalisation of this area.
- Acquisition in 2019 of land in the Alcantara district to develop 63 homes.
In Spain, ACCIONA is currently analysing business diversification opportunities in line with the greater opening of the non-residential real estate market.

ACCIONA has made progress in developing projects for urban and social regeneration of areas that were originally on the outskirts of cities and are now isolated in the city core as a result of expanding population. Examples: acquisition of the former power plant in calle Ombú, in Madrid (Spain), a protected building dating from 1903 that is characteristic of industrial construction at the time, whose rehabilitation is currently being studied; and the recent award of a contract to build a dike and undertake infill works alongside the Deusto canal, reclaiming land from the sea in the latest move to regenerate the ria of Bilbao (this contract entails ACCIONA acquiring land on which approximately 58,000 m² of housing can be built).

ACCIONA is also committed to sustainability in the design of all its projects, promoting innovative measures not only in the field of energy saving and the reduction of CO₂ emissions, but also in aspects such as the water footprint, life-cycle analysis, alternative modes of transport, accessibility and occupants’ health and comfort. This commitment is expressed through compliance with the leading international standards for sustainability; in 2018, the Adelfas development in Madrid was the first to obtain “Very Good” BREEAM certification, and is the largest development in Spain to be so certified; the Mesena office complex, acquired in 2019, is currently in the study phase with the goal of obtaining LEED Gold environmental certification for the complex as a whole, with some of its buildings aiming for LEED Platinum.

In 2019, the company will begin marketing 1,900 homes, 67% of which will be located outside Spain.

Cleaning, maintenance and upkeep of municipal public spaces

ACCIONA is one of the top five players in the market, with more than 50 years of experience in the delivery of street cleaning, green area maintenance and waste collection and treatment services with an efficient management approach. ACCIONA also provides this service in the field of forestry, coastal regeneration, landscaping, environmental monitoring and sports areas.

The company provides end-to-end solutions for buildings and facilities, both public and private, and their users in the form of cleaning, maintenance, customer service, and ancillary and support services.

WASTE COLLECTION AND STREET CLEANING IN ALCOBENDAS (SPAIN)

- Contract amount: 76 M€, with an investment of over 4 M€.
- Contract: municipal waste collection, street cleaning and recycling centre operation in the municipality.
- Duration: 10 years from September 2018.
- Population served: 120,000.
- Innovations: progressive integration of new technologies to optimise waste management and reduce emissions, such as the installation of a control system to optimise routes and reduce energy consumption. Incorporation of machinery powered by alternative fuels: over 50% of the fleet runs on CNG.

Social infrastructure concessions

The company contributes to the well-being, population mainly in the healthcare sector by providing hospital services ranging from building, financing and maintaining infrastructure to managing support services.

OVER 4,000 HOSPITAL BEDS AND 950,000 m² OF SOCIAL INFRASTRUCTURE 1
IN 13 YEARS

1 Includes healthcare centres and universities.
Opportunities for future savings through pension plans and mutual funds providing returns over the long term.

**Asset management**

Through Bestinver, ACCIONA offers asset management services: mutual funds, pension funds and institutional mandates. The investment philosophy is based on obtaining the best long-term returns by investing in equities.

**Value investing approach**

The objective is to detect companies that have the capacity to generate value with respect to the market price.

- **Fundamental analysis**
  A qualified team with over 200 years’ combined experience.
- **Appropriate risk management**
  Robust portfolios and the search for a balance between the various risk factors.
- **Long-term vision shared by investors and managers**
  Convergence between value and price over the long term, making it possible to pick opportunities at a good price.

**TOTAL ASSETS**

6,280 M€

- **MUTUAL FUNDS**
  4,835 M€

- **PENSION PLANS**
  1,074 M€

- **LUXEMBOURG UCITS AND SICAVs**
  371 M€

*Data as of 30/04/2019*
Market volatility in 2018 resulted in greater uncertainty on the part of clients — with a consequent reduction in inflows — and a negative impact on fund yields, in line with the performance of the benchmark indices. Funds under management at year-end amounted to 5,476 M€, and rose by 9.6% in the first quarter of 2019.

Client numbers continue to grow rapidly, to 51,492 investors at the end of April 2019.

Long-term returns and saving

The short- and medium-term strategy is aimed at developing and consolidating a platform that favours growth in the retail segment, where the bulk of savings are concentrated in Spain, and process automation to enhance client care and management in an agile, reliable way at a minimal cost. To this end, in 2018 the company opened new offices in Spain that contribute to positioning it closer to clients. The objective is to help savers build investment portfolios that generate attractive returns, using the right asset class depending on the period of investment: fixed-income funds for the short term, and equity funds for the long term.

Mutual funds

Investment opportunities with long-term returns as an alternative to the traditional savings approach based on deposits and fixed-income, which offer lower returns.

Pension plans

An investment vehicle to channel future savings and improve the client’s financial health in retirement.

BESTINVER GLOBAL PENSION FUND REPORTS AN ANNUALISED AVERAGE RETURN OF 12.5% OVER 10 YEARS

12.4%

BESTINFOND, INVESTMENT FUND

10-YEAR AVERAGE ANNUALISED RETURN

8.0%

BESTINVER BOLSA, INVESTMENT FUND

10-YEAR AVERAGE ANNUALISED RETURN

13.8%

BESTINVER INTERNACIONAL, INVESTMENT FUND

10-YEAR AVERAGE ANNUALISED RETURN

9.7%

BESTINVER BIG COMPANIES, INVESTMENT FUND

AVERAGE ANNUALISED RETURN SINCE INCEPTION

* Data at 30/04/2019.
Impact on and transformation of society

MEXICO

ACIONA is the leading provider of renewable energy solutions in Mexico. It also provides water, infrastructure and municipal service solutions.

KEY PROJECTS IN 2018

ACRIONA’S CONTRIBUTION IN MEXICO IN 2018

ECONOMIC GROWTH, SOCIAL PROGRESS AND ENVIRONMENTAL BALANCE

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decarbonisation of the electricity mix</td>
<td>Emissions avoided: 1.3 Mt CO₂</td>
</tr>
<tr>
<td>Improved access to water</td>
<td>People served: 10.5 M</td>
</tr>
<tr>
<td>Improved connectivity</td>
<td>Road infrastructure: 30 Km</td>
</tr>
<tr>
<td>Improved social well-being</td>
<td>Beneficiaries of social initiatives: 1.3 M</td>
</tr>
</tbody>
</table>

OTHER SOCIO-ECONOMIC AND ENVIRONMENTAL IMPACTS OF RENEWABLE ASSETS*  

<table>
<thead>
<tr>
<th>Impact Description</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contribution to GDP</td>
<td>169 M €</td>
</tr>
<tr>
<td>Job creation</td>
<td>4,498</td>
</tr>
<tr>
<td>Relief of water stress</td>
<td>Water saved: 1.9 M m³</td>
</tr>
<tr>
<td>Improvement in air quality and health</td>
<td>Emissions avoided: 4,600 tSO₂ and NOₓ</td>
</tr>
</tbody>
</table>

*According to ACCIONA Energy’s specific socio-economic impact measurement methodology
### MEXICO’S POSITION WITH RESPECT TO THE SUSTAINABLE DEVELOPMENT GOALS

<table>
<thead>
<tr>
<th>SDG</th>
<th>Rating</th>
<th>Trend</th>
<th>Current context</th>
</tr>
</thead>
</table>
| ⑥  | ⬇️     | ⬆️    | Access to drinking water: 96.1 %  
Access to sanitation: 85.2 %  
High water stress: 40 % - 80 % |
| ⑦  | ⬇️     | ⬆️    | #17 in terms of electricity generation capacity  
72.56 M kW  
99% of the population has access to electricity |
| ⑧  | ⬇️     | ⬆️    | #14 in terms of emissions of CO₂  
454.1 Mt CO₂e  
3.9 t CO₂e/capita |
| ⑨  | ⬇️     | ⬆️    | #17 in terms of road construction: 377,660 km |
| ⑩  | ⬇️     | ⬆️    | 80.2% urban population  
1.5 hospital beds / 1,000 people |

- SDG achieved
- Some persisting challenges
- Significant challenges
- Major challenges
- Information not available

- SDG maintained
- Process for achieving goal by 2030
- Growth insufficient to achieve SDG
- Growth under 50% of required percentage
- Slowing pace of growth
- Information not available

### FUTURE OPPORTUNITIES IN MEXICO

| 50% CLEAN ENERGY IN 2050 | ≈ €1,500 M INVESTMENT IN TRANSPORT INFRASTRUCTURE BETWEEN 2018 AND 2024 |
| -2.9% ENERGY INTENSITY BETWEEN 2016-2050 | +2.5% PRESSURE ON WATER RESOURCES BETWEEN 2017 AND 2030 |

1 The pressure on water resources is obtained by dividing water extraction by water from renewable sources.

AUSTRALIA

The acquisition of Geotech strengthened ACCIONA’s presence in transport and water infrastructure in Australia, where it also has renewable assets. The company is a founding member of the European Australian Business Council and participates actively in the Spanish-Australian Chamber of Commerce and Industry.

KEY PROJECTS IN 2018

- **Waste-to-energy plant, Kwinana**
  - Capacity: 36 MW
- **Drinking water plant, Mundaring**
  - D&C and O&M (35 years)
  - Capacity: 240,000 m³/day
- **Cathedral Rocks wind farm**
  - Capacity: 64 MW
- **Waubra wind farm, Victoria**
  - Capacity: 192 MW
- **Lilyvale photovoltaic plant (EPC)**
  - Capacity: 100 MWac
- **Legacy Way tunnels, Brisbane**
  - D&C and O&M (10 years)
  - Length: 4.6 km
- **Kawana wastewater plant**
  - D&C and O&M
- **Toowoomba highway**
  - O&M (25 years)
  - Length: 41 km
  - Includes concession (PPP)
- **Mount Gellibrand wind farm, Victoria**
  - Capacity: 132 MW
  - PPA with VIVA Energy
- **Sydney Light Rail**
  - D&C and O&M (13 years)
  - Length: 12 km track, operating 25 km.
  - Capacity: 450 passengers/service
- **Puhoi toll road, New Zealand**
  - D&C and O&M (25 years)
  - Includes concession (PPP)
- **Gunning wind farm, Victoria**
  - Capacity: 46.5 MW
- **Adelaide desalination plant**
  - EPC and O&M (20 years)
  - Capacity: 300,000 m³/day

**ACCIONA’S CONTRIBUTION IN AUSTRALIA IN 2018**

**ECONOMIC GROWTH, SOCIAL PROGRESS AND ENVIRONMENTAL BALANCE**

- Decarbonisation of the electricity mix
  - Emissions avoided: 955,000 t CO₂
- Improved access to water
  - People served: >2.8 M
- Improved connectivity
  - Transport infrastructure: >70 km
- Improved social well-being
  - Beneficiaries of social initiatives: 147,000

**OTHER SOCIO-ECONOMIC AND ENVIRONMENTAL IMPACTS OF RENEWABLE ASSETS**

- Contribution to GDP: 78.4 M€
- Job creation: 693
- Relief of water stress: Water saved: 1.6 M m³
- Improvement in air quality and health
  - Emissions avoided: 6,900 t SO₂ and NOₓ

*According to ACCIONA Energy’s specific socio-economic impact measurement methodology.*
AUSTRALIA’S POSITION WITH RESPECT TO THE SUSTAINABLE DEVELOPMENT GOALS

<table>
<thead>
<tr>
<th>SDG</th>
<th>Rating</th>
<th>Trend</th>
<th>Current context</th>
</tr>
</thead>
</table>
|     | ![Rating Icon] | ![Trend Icon] | Access to drinking water: 100 %  
Access to sanitation: 100 %  
High water stress: (40 % - 80 %) |
|     | ![Rating Icon] | ![Trend Icon] | #18 in terms of electricity generation capacity 
65.56 M kW  
100 % of the population has access to electricity |
|     | ![Rating Icon] | ![Trend Icon] | #15 in terms of emissions of CO₂ 
439.1 Mt CO₂e  
15.4 t CO₂e/capita |
|     | ![Rating Icon] | ![Trend Icon] | #8 in railway construction: 33,343 km  
#7 in road construction: 873,573 km |
|     | ![Rating Icon] | ![Trend Icon] | 86 % urban population  
Satisfaction with public transport: 59 %  
3.8 hospital beds / 1,000 people |

- SDG achieved
- Some persisting challenges
- Significant challenges
- Major challenges
- Information not available

SDG maintained
- Process for achieving goal by 2030
- Growth insufficient to achieve SDG
- Growth under 50 % of required percentage
- Slowing pace of growth
- Information not available

FUTURE OPPORTUNITIES IN AUSTRALIA

- **33,000 GWh**
  Renewable Energy in 2020

- **23.5 %**
  Electricity from Renewable Sources in 2020

- **AUD 776 M**
  Development of Natural Resources, Mainly Water Management

- **AUD 100 tn**
  Investment in Transport Infrastructure

Source: Central Intelligence Agency. The World Factbook, Australia
Australian Government. Australian Government response to the Climate Change Authority’s, 2014 Renewable Energy Target Review.
CHILE

A strategic market in South America, where ACCIONA is actively involved in public and private sector infrastructure, as well as providing innovative solutions in clean energy and water desalination.

KEY PROJECTS IN 2018

- **Copiapó desalination plant**
  - O&M (20 years)
  - Capacity: 54,000 m³/day

- **San Gabriel wind farm**
  - Entry into service: 2019
  - Capacity: 183 MW

- **Easter Island photovoltaic plant, grid connected**
  - Output: 128 MWh/year

- **El Romero Solar photovoltaic plant**
  - Capacity: 246 MWp
  - PPA with Google

- **Almeyda photovoltaic plant, Atacama**
  - Capacity: 62 MWp

- **Santiago de Chile Metro**
  - Sections: 1 & 2 (tunnel between stations on Metro line 3).

- **Services at Santiago de Chile airport**
  - Ground handling for LATAM Airlines.
  - Ramp handling for LATAM Airlines.

- **Punta Palmeras wind farm, Coquimbo**
  - Capacity: 45 MW

ACCIONA’s PPAs

- **Enami**
  - Supply of 100% renewable to all its plants.

- **Aguas Chañar**
  - Supply of 100% renewable to cover over 70% of its demand.

- **Falabella**
  - Supply of 100% renewable to over 100 facilities.

- **LATAM Airlines**
  - Supply of 80% of the airline’s total electricity consumption.

ACCIONA’S CONTRIBUTION IN CHILE IN 2018

**ECONOMIC GROWTH, SOCIAL PROGRESS AND ENVIRONMENTAL BALANCE**

<table>
<thead>
<tr>
<th>Impact Area</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decarbonisation of the electricity mix</td>
<td>Emissions avoided: 417,000 t CO₂</td>
</tr>
<tr>
<td>Improved access to water</td>
<td>People served: 20,000</td>
</tr>
<tr>
<td>Improved connectivity</td>
<td>Transport infrastructure: 140 Km People connected: 250,000 Time saved: 30 min</td>
</tr>
<tr>
<td>Improved social well-being</td>
<td>Beneficiaries of social initiatives: 244,000</td>
</tr>
</tbody>
</table>

**OTHER SOCIO-ECONOMIC AND ENVIRONMENTAL IMPACTS OF RENEWABLE ASSETS***

<table>
<thead>
<tr>
<th>Impact Area</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contribution to GDP</td>
<td>&gt;107 M€</td>
</tr>
<tr>
<td>Job creation</td>
<td>&gt;2,700</td>
</tr>
<tr>
<td>Relief of water stress</td>
<td>Water saved: &gt;849,000 m³</td>
</tr>
<tr>
<td>Improvement in air quality and health</td>
<td>Emissions avoided: 3,600 t SO₂ and NOₓ</td>
</tr>
</tbody>
</table>

*According to ACCIONA Energy’s specific socio-economic impact measurement methodology.
CHILE’S POSITION WITH RESPECT TO THE SUSTAINABLE DEVELOPMENT GOALS

<table>
<thead>
<tr>
<th>SDG</th>
<th>Rating</th>
<th>Trend</th>
<th>Current context</th>
</tr>
</thead>
</table>
| ![SDG Icon] | ![Rating Icon] | ![Trend Icon] | Access to drinking water: 99 %  
Access to sanitation: 99.1 %  
High water stress: (40 % - 80 %) |
| ![SDG Icon] | ![Rating Icon] | ![Trend Icon] | #37 in electricity generation capacity  
24.53 M kW  
99.6 % of the population has access to electricity |
| ![SDG Icon] | ![Rating Icon] | ![Trend Icon] | #47 in emissions of CO₂  
88.23 Mt CO₂ and  
4.7 t CO₂e/capita |
| ![SDG Icon] | ![Rating Icon] | ![Trend Icon] | #15 in airport construction: 481  
#30 in railway construction: 7,282 km |
| ![SDG Icon] | ![Rating Icon] | ![Trend Icon] | 87.6 % urban population  
Satisfaction with public transport: 56 %  
2.2 hospital beds / 1,000 people |

- SDG achieved
- Some persisting challenges
- Significant challenges
- Major challenges
- Information not available
- SDG maintained
- Process for achieving goal by 2030
- Growth insufficient to achieve SDG
- Growth under 50 % of required percentage
- Slowing pace of growth
- Information not available

FUTURE OPPORTUNITIES IN CHILE

<table>
<thead>
<tr>
<th>60 %</th>
<th>30 %</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RENEWABLE ENERGY IN 2035</strong></td>
<td><strong>GHG EMISSION REDUCTION BY 2030</strong></td>
</tr>
<tr>
<td><strong>$ 15,917 M INVESTMENT IN &gt;700 INFRASTRUCTURE PROJECTS BETWEEN 2010-2025</strong></td>
<td><strong>$ 1,169 M INVESTMENT IN WATER INFRASTRUCTURE BETWEEN 2015 AND 2025</strong></td>
</tr>
</tbody>
</table>

Source: Central Intelligence Agency, *The World Factbook, Chile*.  
World Resources Institute, *Aqueduct Country and River Basin Rankings*.  
Ministry of Public Works, Government of Chile, *Plan Director de Infraestructuras 2010-2025*.  
ICEX, *España exportación e inversiones. El mercado del tratamiento de aguas en Chile*.  

89
The US market represents one of the company’s largest investments in wind power: a total of 8 wind farms. It also operates a company-owned solar thermal plant and is involved in desalination activities.

**KEY PROJECTS IN 2018**

- **Nevada Solar One solar thermal plant**
  - Capacity: 64 MW

- **San Roman wind farm, Texas**
  - Capacity: 95.25 MW

- **Tampa desalination plant**
  - Capacity: 108,000m³

- **Red Hills wind farm, Oklahoma**
  - Capacity: 123 MW

- **Tatanka wind farm**
  - Capacity: 180 MW

- **Ecogrove wind farm, Stephenson**
  - Capacity: 100.5 MW

- **Blue Canyon wind farm, Oklahoma**
  - Capacity: 74.25 MW

- **Pioneer Grove wind farm, Iowa**
  - Capacity: 6 MW

- **Velva wind farm, North Dakota**
  - Capacity: 11.88 MW

- **Dempsey Ridge wind farm, Oklahoma**
  - Capacity: 132 MW

- **Palmas Altas wind farm, Texas**
  - Capacity: 145 MW

**ACCIONA’S CONTRIBUTION IN THE USA IN 2018**

**ECONOMIC GROWTH, SOCIAL PROGRESS AND ENVIRONMENTAL BALANCE**

- **Decarbonisation of the electricity mix**
  - Emissions avoided: 1.5 M t CO₂

- **Improved access to water**
  - People served: >280,000

- **Improved social well-being**
  - Beneficiaries of social initiatives: >230,000

**OTHER SOCIO-ECONOMIC AND ENVIRONMENTAL IMPACTS OF RENEWABLE ASSETS**

- **Contribution to GDP**
  - 149 M €

- **Job creation**
  - 1,589

- **Relief of water stress**
  - Water saved: >2.6 M m³

- **Improvement in air quality and health**
  - Emissions avoided: 9,200 t SO₂ and NOₓ

*According to ACCIONA Energy’s specific socio-economic impact measurement methodology.*
USA’S POSITION WITH RESPECT TO THE SUSTAINABLE DEVELOPMENT GOALS

<table>
<thead>
<tr>
<th>SDG</th>
<th>Rating</th>
<th>Trend</th>
<th>Current context</th>
</tr>
</thead>
</table>
| ![Water Access](image) | ![Sanitation Access](image) | ![Medium-high Water Stress](image) | Access to drinking water: 99.2 %  
Access to sanitation: 100 %  
Medium-high water stress: (20 % - 40 %) |
| ![Installed Capacity](image) | | | #2 in terms of installed capacity  
1.087 bn kW  
100 % of the population has access to electricity |
| ![CO2 Emissions](image) | | | #2 in terms of emissions of CO₂  
5.242 Bt CO₂e  
16.5 t CO₂e/capita |

- **SDG achieved**  
- **Some persisting challenges**  
- **Significant challenges**  
- **Major challenges**  
- **Information not available**  

- **SDG maintained**  
- **Process for achieving goal by 2030**  
- **Growth insufficient to achieve SDG**  
- **Growth under 50 % of required percentage**  
- **Slowing pace of growth**  
- **Information not available**

**FUTURE OPPORTUNITIES IN THE USA**

- **≈ 200**  
  Cities with a target of 100 % clean energy by 2035

- **-1.6 %**  
  Electricity generation linked to CO₂ emissions in 2019

- **US$ 1,000 bn**  
  Investment to meet water demand in the next 25 years

Source: Central Intelligence Agency, The World Factbook, USA  
Bertelsmann Stiftung and Sustainable Development Solutions Network (SDSN), SDG Index and Dashboards Report 2018  
World Resources Institute, Aqueduct Country and River Basin Rankings  
Deloitte, 2019 renewable energy industry outlook  
EIA, U.S. Energy Information Administration, Short-Term Energy Outlook (STEO)  
EIA, U.S. Energy Information Administration, Annual Energy Outlook 2019 with projections to 2050  
Asce, Infrastructure Report Card 2017
ACCIONA entered Canada to execute one of the country’s most emblematic water projects: the Deep Lake Water Cooling in Toronto. It is currently active in energy, water and civil infrastructure projects as well as projects to make cities more sustainable.

**KEY PROJECTS IN 2018**

- **Clean Energy Project Site C**, British Columbia
  - Capacity: 1,100 MW

- **Victoria airport**
  - Serving: 1.7 M

- **North shore wastewater plant, Vancouver**
  - Population served: +200,000

- **Fort Saint John Hospital and Residential Care Facility**
  - D&C, finance and management
  - Beds: 170

- **Walterdale bridge, Edmonton**
  - Traffic: >33,000 vehicles/day

- **Patient Care Center, Royal Jubilee Hospital, Victoria**
  - D&C

- **Windsor Essex Parkway**
  - Length: 11 km

- **Ripley wind farm, Ontario**
  - Capacity: 76 MW

- **Chin Chute wind farm, Taber**
  - Capacity: 30 MW

- **Lameque island wind farm**
  - Capacity: 45 MW

- **Magrath wind farm**
  - Capacity: 30 MW

- **Saint John wastewater treatment plant**
  - Population served: 70,000

**ACCIONA’S CONTRIBUTION IN CANADA IN 2018**

**ECONOMIC GROWTH, SOCIAL PROGRESS AND ENVIRONMENTAL BALANCE**

<table>
<thead>
<tr>
<th>Category</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decarbonisation of the electricity mix</td>
<td>Emissions avoided: 3,600 t CO₂</td>
</tr>
<tr>
<td>Improved access to water</td>
<td>People served: 270,000</td>
</tr>
<tr>
<td>Improved connectivity</td>
<td>Transport infrastructure: 11 km of roads and 230 m of bridges</td>
</tr>
<tr>
<td>Improved social well-being</td>
<td>Beneficiaries of social initiatives: 37,600</td>
</tr>
</tbody>
</table>

**OTHER SOCIO-ECONOMIC AND ENVIRONMENTAL IMPACTS OF RENEWABLE ASSETS**

<table>
<thead>
<tr>
<th>Category</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contribution to GDP</td>
<td>17.7 M€</td>
</tr>
<tr>
<td>Job creation</td>
<td>+179</td>
</tr>
<tr>
<td>Relief of water stress</td>
<td>Water saved: +619,000 m³</td>
</tr>
<tr>
<td>Improvement in air quality and health</td>
<td>Emissions avoided: 2,300 t SO₂ and NOₓ</td>
</tr>
</tbody>
</table>

*According to ACCIONA Energy’s specific socio-economic impact measurement methodology.*
## CANADA’S POSITION WITH RESPECT TO THE SUSTAINABLE DEVELOPMENT GOALS

<table>
<thead>
<tr>
<th>SDG</th>
<th>Rating</th>
<th>Trend</th>
<th>Current context</th>
</tr>
</thead>
</table>
| 🌍️ | 🌍️ | 🔷 | Access to drinking water: 99.8%  
Access to sanitation: 99.8%  
Medium-low water stress: (10% - 20%) |
| ☀️ | ☀️ | 🔷 | #8 in electricity installed capacity  
143.5 M kW  
100% of the population has access to electricity |
| 🌞 | 🌞 | 🔷 | #9 in emissions of CO₂  
640.6 Mt CO₂e  
15.1 t CO₂e/capita |
| 🚄 | 🚄 | 🔷 | #4 in terms of railway construction: 77,932 km  
#6 in terms of road construction: 1,042,300 km |
| 🏥 | 🏥 | 🔷 | 81.4% urban population  
2.7 hospital beds / 1,000 people |

- SDG achieved
- Some persisting challenges
- Significant challenges
- Major challenges
- Information not available
- SDG maintained
- Process for achieving goal by 2030
- Growth insufficient to achieve SDG
- Growth under 50% of required percentage
- Slowing pace of growth
- Information not available

### FUTURE OPPORTUNITIES IN CANADA

- **+2.3%**  
  INFRASCTURE IN THE NEXT 5 YEARS
- **150 bn - 1 tn**  
  INVESTMENT SHORTFALL
- **30%**  
  EMISSION REDUCTION COMMITMENT FOR 2030, VS. 2005 BASELINE

**Source:**  
- Central Intelligence Agency. The World Factbook, Canada.  
- ICEX, España Exportación e Inversiones. El mercado de las infraestructuras de transporte en Canadá.  
- Environment and Climate Change Canada. Pan-Canadian Framework on Clean Growth and Climate Change.  
- Canada’s 2017 Nationally Determined Contribution Submission.
SPAIN

ACCIONA has extensive experience in Spain in civil and social projects, real estate, financial services, and other activities that make cities more sustainable. Spain was also its first incursion into renewable energy and currently represents 60% of its electricity production, providing a sound springboard from which it has expanded this business to other countries.

**KEY PROJECTS IN 2018**

- **High-speed railway north-northwest, Madrid-Galicia**
  - Length: 30 km

- **Valmayor drinking water plant, Madrid**
  - D&C and O&M
  - Capacity: 1,036,800 m³/day
  - Population served: 3 M

- **University hospital, Toledo**
  - Beds: 760

- **Malaga Metro**
  - Length: 1.8 km

- **Zaragoza light rail**
  - D&C and O&M
  - Length: 12.80 km

- **El Prat airport, Barcelona**
  - Service: handling.
  - Passengers: 2.8 M.

- **ACCIONA Motosharing in Madrid, Valencia, Seville, Barcelona**
  - >1,000 electric vehicles

- **Seira hydroelectric plant**
  - Capacity: 37 MW
  - Population served: 23,000 households
  - Plant centenary in 2018

**ACCIONA’S CONTRIBUTION IN SPAIN IN 2018**

**ECONOMIC GROWTH, SOCIAL PROGRESS AND ENVIRONMENTAL BALANCE**

<table>
<thead>
<tr>
<th>Project</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decarbonisation of the electricity mix</td>
<td>Emissions avoided: 8.4 M t CO₂</td>
</tr>
<tr>
<td>Improved access to water</td>
<td>People served: millions</td>
</tr>
<tr>
<td>Release of space</td>
<td>Space freed by electric scooters*: &gt;61,000 m²</td>
</tr>
<tr>
<td>Improved social well-being</td>
<td>Beneficiaries of social initiatives: &gt;365,000</td>
</tr>
</tbody>
</table>

**OTHER SOCIO-ECONOMIC AND ENVIRONMENTAL IMPACTS OF RENEWABLE ASSETS**

<table>
<thead>
<tr>
<th>Impact</th>
<th>Outcome</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contribution to GDP</td>
<td>788.4 M€</td>
</tr>
<tr>
<td>Job creation</td>
<td>&gt;11,160</td>
</tr>
<tr>
<td>Relief of water stress</td>
<td>Water saved: &gt;14 M m³</td>
</tr>
<tr>
<td>Improvement in air quality and health</td>
<td>Emissions avoided: 49,000 t SO₂ and NOₓ</td>
</tr>
</tbody>
</table>

*Data at the time this report was completed.

**According to ACCIONA Energy’s specific socio-economic impact measurement methodology.**
## Spain’s Position with Respect to the Sustainable Development Goals

<table>
<thead>
<tr>
<th>SDG</th>
<th>Rating</th>
<th>Trend</th>
<th>Current Context</th>
</tr>
</thead>
</table>
| ![Water Access](water.png) | ● | ▲ | Access to drinking water: 100%  
Access to sanitation: 99.9%  
High water stress: (40% - 80%) |
| ![Electricity Generating Capacity](electricity.png) | ● | ▲ | #12 country in terms of electricity generating capacity  
105.9 M kW  
100% of the population has access to electricity |
| ![CO2 Emissions](co2.png) | ● | ▲ | #25 country in terms of emissions of CO2  
286.7 Mt CO2e  
5.0 t CO2e/capita |
| ![Railway Construction](railway.png) | ● | ▲ | #18 in terms of railway construction: 16,102 km  
#8 in terms of road construction: 683,175 km |
| ![Urban Population](urban.png) | ● | ▲ | 80.3% urban population  
Satisfaction with public transport: 63%  
3 hospital beds / 1,000 people |

- **SDG achieved**
- **SDG maintained**
- Some persisting challenges
- Significant challenges
- Major challenges
- Information not available

### Future Opportunities in Spain

- **42%**  
  Renewable Energy Share of Final Energy Usage in 2030
- **141,975 M€**  
  Investment in Transport Infrastructure in 2012-2024
- **72%**  
  Renewable Energy for Power Generation in 2030
- **~ 21,200 M€**  
  Investment Required for Efficient Water Management in 2016-2021

Source: Central Intelligence Agency, The World Factbook, España  
Ministry for the Ecological Transition. Guidelines, work programmes, calendar and participation formulas, DSEAR Plan.  
GULF COOPERATION COUNCIL

In the last decade, ACCIONA has achieved sizeable numbers in terms of workforce and annual revenues in the Gulf Cooperation Council (GCC). The company has energy, civil and, in particular, water infrastructure projects in the United Arab Emirates, Saudi Arabia, Qatar and Oman.

KEY PROJECTS IN 2018

- **RAS ABU FONTAS 3 desalination plant, Qatar**
  - EPC y O&M
  - Capacity: 164,000 m³/day

- **Desalination plant D, Qatar**
  - EPC y O&M
  - Capacity: 284,000 m³/day

- **Fujairah desalination plant, UAE**
  - EPC y O&M
  - Capacity: 137,000 m³/day

- **Dubai Metro, UAE**
  - D&C
  - Length: 15 km (11.8 elevated and 3.2 underground)

ACCIONA’S CONTRIBUTION TO THE GCC IN 2018

**ECONOMIC GROWTH, SOCIAL PROGRESS AND ENVIRONMENTAL BALANCE**

<table>
<thead>
<tr>
<th>Improved access to water</th>
<th>People served: 1.5 M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Improved connectivity</td>
<td>Transport infrastructure: 15 km of Metro lines</td>
</tr>
<tr>
<td>Improved social well-being</td>
<td>Beneficiaries of social initiatives: 24,000</td>
</tr>
</tbody>
</table>

**SOCIO-ECONOMIC AND ENVIRONMENT IMPACT* OF THE RAS FONTAS 3 DESALINATION PLANT IN QATAR**

<table>
<thead>
<tr>
<th>Contribution to GDP</th>
<th>87 M€</th>
</tr>
</thead>
<tbody>
<tr>
<td>Job creation</td>
<td>4,345</td>
</tr>
<tr>
<td>Emissions avoided</td>
<td>296,905 t CO₂</td>
</tr>
<tr>
<td>Improvement in air quality and health</td>
<td>Emissions avoided: 491 t SO₂ and NOₓ</td>
</tr>
</tbody>
</table>

*According to ACCIONA’s specific socio-economic impact measurement methodology. Job-year: a full-time equivalent job lasting one year.
### CCG\(^1\) POSITION WITH RESPECT TO THE SUSTAINABLE DEVELOPMENT GOALS

<table>
<thead>
<tr>
<th>SDG</th>
<th>Rating</th>
<th>Trend</th>
<th>Current context</th>
</tr>
</thead>
</table>
| 8   | ▪      | ✓     | Extreme water stress (>80 %)  
Access to drinking water: UAE: 99.6 %; Saudi Arabia 97 %; Qatar 100 %; Oman 96.7 % |
| 7   | ▪      | ▼     | Access to electricity: UAE: 99.6 %; Saudi Arabia 97 %; Qatar 100 %; Oman 96.7 %  
Ranking in terms of electricity generation capacity: UAE #33; Saudi Arabia #14; Qatar #66; Oman #70 |
| 6   | ▪      | ▲     | Emissions in t CO\(_2\)/capita: UAE 23.3; Saudi Arabia 19.5; Qatar 45.4; Oman 15.4  
Ranking in terms of emissions: UAE #24; Saudi Arabia #8; Qatar #40; Oman #52 |
| 5   | ▪      | ▲     | Position in the ranking and km of roads:  
UAE #122 / 4,080 km; Saudi Arabia #21 / 21,372 km; Qatar #108 / 9,830 km; Oman #61 / 60,230 km |
| 11  | ▪      | ✓     | Urban population: UAE 86.5 %; Saudi Arabia 83.8 %; Qatar 99.1 %; Oman 84.5 %  
Satisfaction with public transport UAE: 78 % |

- SDG achieved
- Some persisting challenges
- Significant challenges
- Major challenges
- Information not available

### FUTURE OPPORTUNITIES IN GCC

- **-22 %** Pollutant Emissions in 2030
- **-17 %** Water Extraction in the Energy Industry in 2030
- **X 5** Water Demand in 2050

---

\(^1\) GCC countries where ACCIONA has operations: United Arab Emirates, Saudi Arabia, Qatar and Oman.

Source: Central Intelligence Agency. The World Factbook, UAE, Saudi Arabia, Qatar, Oman.  