

ACCIONA Agua

The Company, an industry leader with operations worldwide, is committed to sustainability and R&D and Innovation, and has obtained a number of patents and awards in this area.

ACCIONA Agua provides comprehensive solutions which contribute to sustainable development in the water sector. Since inception, the Company has contributed to treating, processing, reusing, desalinating and managing water for over 70 million people in 20 countries on five continents, always to the highest standards of quality, innovation and sustainability. ACCIONA Agua has made its mark on over 400 drinking water and wastewater treatment plants and 70 desalination plants. It also operates and maintains a full range of water treatment plants and provides end-to-end water services in over 180 cities.

Innovation and the application of cutting-edge water technologies are among the cornerstones of ACCIONA Agua's business approach. The best example of this commitment is the R&D and Innovation centre in Barcelona, which has a multidisciplinary team of over 30 people. Their activities range from basic research in the laboratory through to pilot plant trials and industrial applications, with the help of powerful modelling software for computational fluid dynamics (CFD), brine dispersion (CORMIX), and structural studies. These efforts have led to the registration of 19 patents related to desalination, biological membrane reactors and reuse technology.

ACCIONA Agua was especially active outside Spain in 2012. A total of 90% of the Design & Construction area's activity took place outside Spain, compared with 60% in 2009. The Operation & Maintenance area's activities abroad accounted for 11% in 2012, compared with 2% in 2009.

■ **Backlog in December 2012:**

11.325 billion euros.

■ **2012 Turnover:**

506 million euros.

■ **Workforce at December 2012:**

2,537 employees.

LINES OF BUSINESS

Desalination (construction and operation)

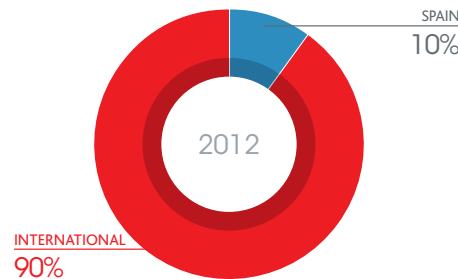
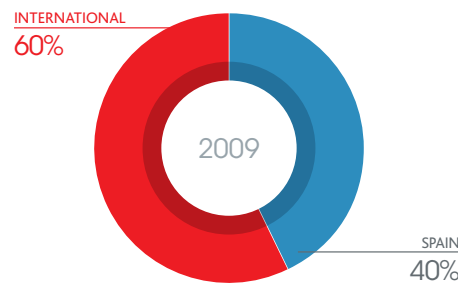
ACCIONA Agua, a world leader in sea and brackish water desalination by reverse osmosis, has built more than 70 desalination plants, which produce more than 1.2 million m³/day to supply over 10.5 million people. ACCIONA Agua also operates the majority of those plants.

The Company's extensive international experience is evidenced by its operations in Spain, the US, Australia, the UK, Italy, Peru, Cape Verde, Algeria, Chile and Venezuela.

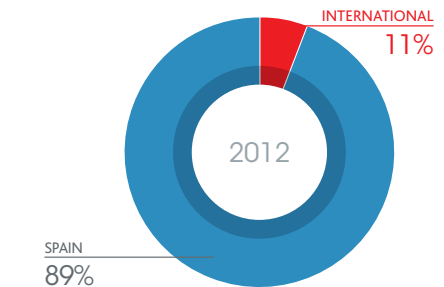
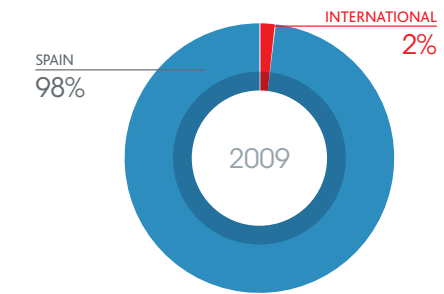
The Adelaide desalination plant, in Australia, will supply water to **ONE MILLION** people.

→ PERFORMANCE OUTSIDE SPAIN


DEVELOPMENT AND CONSTRUCTION



OPERATION AND MAINTENANCE



Adelaide desal
plant will supply
500,000
people



CONTRACTS AWARDED

- **Al Jubail (Saudi Arabia).** ACCIONA Agua's first contract in Saudi Arabia. The contract includes the design, construction and start-up of a seawater desalination plant with a daily production capacity of 100,000m³, serving Al Jubail and its industrial complex. ACCIONA will execute the project in a joint venture with the Saudi Binladin Group.
- **Fujairah (United Arab Emirates).** ACCIONA Agua's third major contract in the Middle East. Together with ACCIONA Infrastructure, it was awarded the contract to design, build and operate (for seven years) the extension to the Fujairah desalination plant in the emirate

of Fujairah. The expansion, which will increase daily capacity by 137,000m³ to a total output of 592,000m³, will serve a population of close to 600,000.

MILESTONES

- **Adelaide desalination plant (Australia).** The plant was completed and delivered to the owner, SA Water, in 2012. ACCIONA Agua will provide operation and maintenance services for the next 20 years as part of the contract. The plant, with a daily flow rate of 300,000m³ and located 52 metres above sea level, will provide drinking water to Adelaide, which has a population of over one million.

Design and construction of plants for drinking water, wastewater and reuse, and plant operation and maintenance

ACCIONA Agua has built 115 drinking water treatment plants with a total capacity of over 82m³/second, supplying more than 29 million people. It has also built over 300 sewage treatment plants with a total capacity of more than 11.4 million m³/day, serving over 52 million people. The Company's main water infrastructure is located in Spain, Portugal, Italy, Puerto Rico, the Dominican Republic, and Morocco.

ACCIONA Agua aims to optimize operation and maintenance processes by minimizing energy consumption, ensuring optimal processing performance, analyzing water

quality, and assuring proper environmental management of sludge, waste and by-products from the treatment processes. The Company aims to minimize operating costs and maximize the useful lives of facilities.

Design and construction contracts

- **Oum Azza drinking water treatment plant (Morocco).** ACCIONA Agua obtained its first contract in Morocco to design, build and commission a drinking water treatment plant in Oum Azza (near Rabat), with a capacity of 5m³/second.
- **Torpè drinking water treatment plant in Sardinia (Italy).** This project involves designing, building and commissioning the wastewater treatment plant in Siniscola.

The plant, which will treat surface water from the Maccheronis Dam in Torpè, will experience high variability in the input parameters and will process an average of 420 liters/second.

■ **Bello wastewater treatment plant (Colombia).**

ACCIONA Agua obtained its first contract in Colombia to design, build, and commission a wastewater treatment plant in Bello, Medellín. It will also provide operation and maintenance services for one year. The plant will have the capacity to treat 5m³/second, i.e. enough to serve 3.88 million people. One of the Company's main objectives is for the river to exceed the dissolved oxygen threshold that is recognized globally as indicating the

absence of pollution, thereby allowing the riverbanks to be recovered for use in leisure activities and urban and landscape development.

■ **El Caracol wastewater treatment plant (Mexico).**

The Company's second wastewater treatment plant in Mexico City. ACCIONA Agua was awarded the contract to design, build, and commission the plant, and operate and maintain it for 23 years.

■ **Los Tajos wastewater treatment plant (Costa Rica).**

ACCIONA Agua will build and operate the largest wastewater treatment plant in Costa Rica, its first project in that country. The plant, which will have a daily capacity of 242,784m³, will serve

more than one million people, i.e. 65% of the population of San José, the capital. The Company will be responsible for design, construction, start-up, technology transfer and assistance in operation and maintenance.

■ **Ibarra wastewater treatment plant (Ecuador).** ACCIONA Agua won the contract to design, build, operate and maintain the plant in Ibarra, which will have a daily processing capacity of 43,200m³ and initially benefit more than 197,000 people.

■ **Alcáser wastewater treatment plant (Portugal).** ACCIONA Agua will design, build, commission, operate and maintain

(for 1 year) the Alcáser plant, which will have a daily capacity of 2,600m³ and serve 10,700 people.

INAUGURATIONS

■ **Valmayor drinking water treatment plant (Spain).** Located in Colmenarejo, in the Madrid region. ACCIONA Agua and ACCIONA Infraestructure created a joint venture to expand this plant, increasing drinking water production capacity to 12m³/second (previously 6m³/second), so as to produce up to one million m³/day.

■ **Arrudas wastewater treatment plant (Brazil).** This 2.4 MW biogas cogeneration plant in Belo Horizonte includes a chemical

deodorization unit. This plant was designed and built by ACCIONA Agua in association with COPASA.

ACCIONA Agua obtained notable concessions for water treatment plant operation and maintenance:

■ **Sollano drinking water treatment plant (Bizkaia, Spain).** This is the third time the Company was awarded this contract, which includes operation and maintenance of the plant (1.4m³/second) for a four-year period with the possibility of extending it by another two years.

- **Ibarra and Berrón pumping stations.**
- **Wastewater treatment plant at the local dog pound in Bilbao (Spain).**
- **Mairena de Alcor/El Viso de Alcor wastewater treatment plant (Seville, Spain).** This plant, with a capacity of 9,220m³, serves 41,000 people and was built by the Infilco-Sando joint venture, which had been operating it since 2005.
- **Abrera group of municipalities (Catalonia, Spain).** A contract from the Abrera group of municipalities (Abrera, Castellbell i El Vilar, Monistrol de Montserrat, Viladecavalls Est, and Viladecavalls Oest i Vacarisses) and the Anoia Nord group to operate sanitation

systems. The contract is for 2 years with a possible 2-year extension.

Integrated water management services

For more than 30 years, ACCIONA Agua has been providing end-to-end water management services, supplying optimal quality water for daily use in a way that is environmentally friendly. End-to-end water management includes all phases of treatment, from raw water capture to purification at a drinking water plant, reservoir maintenance and control, distribution network management, distribution to consumers, ongoing maintenance of sewers, sewage treatment, and direct billing to end users.

Today ACCIONA Agua provides end-to-end water management services to over 180 cities in Spain, serving a population of 7.5 million people. ACCIONA's most significant water management contracts in Spain include:

- Municipal drinking water, sewage and treatment services in Soria.
- End-to-end water management in the Tropical Coast group of municipalities in Granada.
- End-to-end water management as part of a public-private partnership with the Jaén provincial government in more than 36 municipalities, serving over 250,000 people.

ACCIONA Agua's
Los Tajos WWTP will
serve **65% of the
population**
in San José, Costa
Rica's capital

Today, the Company provides end-to-end water management services to more than 180 Spanish towns and cities

- End-to-end water management services in Molina de Segura (Murcia).
- Operation and maintenance of the entire sewer network in Valencia.
- Operation of the sewage networks in 25% of Madrid city.

The Company also achieved another two major milestones in 2012. It started providing end-to-end water management services in Cáceres (the contract was awarded in December 2011 and operations commenced on 1 January 2012). It was also awarded a 50-year concession by ATLL (Aigues Ter-Llobregat) to supply water to 105 municipalities. The Company will provide

comprehensive services, from water capture to distribution to consumers. This concession includes management of four large plants (the Abrera and Cardedeu drinking water plants, to treat water from the rivers Ter and Llobregat, and desalination plants in Prat de Llobregat and La Tordera), several water pumping stations and more than 900 kilometres of pipeline.

La Unión (Murcia). La Unión (Murcia) town hall awarded ACCIONA Agua a 25-year concession by which the Company will supply drinking water and manage the sewage network for a population of 19,000.

Santomera (Murcia). Santomera awarded ACCIONA Agua (in a joint venture with

STV Gestión) a 25-year concession to supply drinking water, maintain sewers and treat wastewater for a population of 15,805.

Valle de la Orotava wastewater treatment plant (Tenerife). ACCIONA Agua treats wastewater from the municipalities of Puerto la Cruz, La Orotava and Los Realejos. The three-year contract may be extended on a yearly basis for at most six years.

Zafra (Badajoz). Zafra (Extremadura) also awarded ACCIONA Agua a contract to supply drinking water and provide wastewater treatment services. The Company will serve approximately 20,000 people, and the four-

year contract can be extended by another four years.

Getafe (Madrid). ACCIONA Agua obtained the contract for the upkeep, maintenance and repair of roads and sewers in Getafe for two years, with a possible two-year extension.

→ **AIGUES TER-LLOBREGAT**
(ATLL, CATALONIA, NORTHEAST SPAIN)



OTHER ACTIVITIES

ACCIONA Agua was very active in 2012 in initiatives related to sustainability, sponsorship, participation in forums and conferences, training and awareness-raising in all areas related to water treatment.

Corporate Social Responsibility

■ Inauguration of the Climate Change

Observatory, in Valencia, Spain: This centre has a permanent exhibition which focuses on four main concepts: the causes of climate change, latent impacts, signs of climate change and future solutions. It will display research and projects and host discussions and seminars related to sustainability, environmental preservation and eco-efficiency.

■ **World Water Day.** For the third consecutive year, ACCIONA Agua participated in World Water Day by organizing activities in the towns where it operates. Highlights from the event included children's workshops, storytelling, a painting contest and a bicycle route, all organized in Cáceres, Spain.

Social media

For the second year in a row, the Company created an event on **Facebook** commemorating World Water Day, through which users could send all of their questions about water directly to ACCIONA.

■ **Twitter.** Active participation by ACCIONA Agua executives.

■ **LinkedIn.** Creation of an ACCIONA Agua group with information about the annual meeting of executives and department heads, with a view to encouraging executive participation.

New offices

The sales department achieved yet another milestone, opening offices in India and Colombia, which are already working to seek customers and partners there, under the supervision of pre-existing business development executives.

AWARDS

■ The Adelaide desalination plant obtained the Civil Contractor's Federation Excellence Award (CFF) from the Civil Contractor's

Federation in South Australia. The plant competed in the category of projects worth more than 75 million Australian dollars, and the candidacy was submitted by SA Water and AdelaideAqua.

- The Australian Water Association (AWA) gave the Adelaide plant the Infrastructure Innovation Award. The winner is chosen based on the innovative measures implemented, and the contribution to Australia's water industry and to sustainability, among other benefits.
- The Mundaring drinking water plant was named *Water Deal of the Year* by specialized magazine Global Water Intelligence (GWI) in recognition of its contribution

to the advancement of the public-private partnership model in the global water industry. This is the first water treatment PPP in Western Australia, and it is also ACCIONA's first project in that state, further strengthening its presence in that country.

ACCIONA Agua
and its executives are
highly active in the
social networks

