

AQUALOGY SUPERVISES THE CONSTRUCTION OF A SUBMARINE OUTFALL IN CARTAGENA DE INDIAS

Cartagena de Indias is the first city in Colombia to be able to treat 100% of its wastewater, thanks to the construction of a submarine outfall under Aqualogy's technical supervision. This outfall is the third largest in the world and constitutes the most important project within the water sector for this city.

The submarine outfall is an infrastructure that allows the wastewater from Cartagena de Indias to be discharged through a pipeline—4.32 km long and 2 m in diameter—and then to be buried beneath the seabed. Once there, the salinity, temperature, ultraviolet radiation and marine currents contribute to the chemical, physical and biological processes that reduce the organic and bacterial load. In other words, the water is disinfected.

Acuacar (Aguas de Cartagena) executed this project, which is the most important in the water and environment sector to be carried out in the city, since it restores the quality of the water in the Ciénaga de la Virgen wetland and Cartagena Bay. In this way, not only has the problem of unsanitary conditions been solved, but industry and tourism also benefit, since the water can be used for recreational purposes, sports and fishing.

This submarine outfall, built over a period of 17 months, completes the Cartagena de Indias Master Plan for Aqueducts, Sewerage Systems and Basic Treatment. Moreover, according to the World Health Organization, this is the third longest outfall in the world, behind those in Taipei, Taiwan (6.66 km long), and in Ipanema, Brazil, (4.77 km long).



