

Resource	R&D&I priority lines									Description	Institution	Availability use to externals	Address postal	Geolocation
	Advanced maintenance	Automation	Brine and circular economy	Desalinated water-energy nexus	Desalination and green chemistry	Emergent desalination technologies	Membrane tests	Water intake and pre-treatment	Water quality					
Brine valorisation testbed			x	x		x				Brine availability (different types: 1 stage, 2 stages and blending). Nanofiltration pilot plant as pre-treatment (75-140 m3 brine/day). Brine concentration pilot plant (March 2023) up to 250 g/L. Outdoor physical space for small- and medium-scale demonstrations, with and without renewable energies (wind and photovoltaic). <i>Authorised brine discharge</i>	ITC	Available under any type of form	Playa de Pozo Izquierdo, s/n. Santa Lucía de Tirajana, Gran Canaria	Latitud: 27° 49.060'N; Longitud: 15° 25.365'O
DESAL+ desalination plant	x	x		x	x	x	x	x		Operating range: 80-100 m3/day; possible 5" membrane configuration: 7 (5+2); 1 (control membrane).	ITC	Available under any type of form	Playa de Pozo Izquierdo, s/n. Santa Lucía de Tirajana, Gran Canaria	Latitud: 27° 49.060'N; Longitud: 15° 25.365'O
DESALRO 2.0 Highly energy-efficient SWRO desalination plant	x	x	x	x	x	x				DESALRO 2.0 Highly energy-efficient 2500 m3/day SWRO desalination plant with specific energy consumption (SEC) below 2.0 kWh/m3	ITC	Available under any type of form	Playa de Pozo Izquierdo, s/n. Santa Lucía de Tirajana, Gran Canaria	Latitud: 27° 49.060'N; Longitud: 15° 25.365'O
DESSOL 2.0 desalination plant				x						Production: 11 m3/day; Configuration: 4 pressure vessels in series, each with a polyamide RO membrane; operation with photovoltaic solar energy.	ITC	Shared by collaborative project	Playa de Pozo Izquierdo, s/n. Santa Lucía de Tirajana, Gran Canaria	Latitud: 27° 49.060'N; Longitud: 15° 25.365'O
DESSOL desalination plant				x	x		x		x	Operating range: 18-29 m3/day; 4" membrane configuration: 2 in parallel of (4); operation with photovoltaic solar energy.	ITC	Under any type of form except leasing	Playa de Pozo Izquierdo, s/n. Santa Lucía de Tirajana, Gran Canaria	Latitud: 27° 49.060'N; Longitud: 15° 25.365'O
DESSOL-ERI desalination plant	x					x	x		x	Operating range: 24-48 m3/day; 4" membrane configuration: 2 in parallel of 3+3.	ITC	Available under any type of form	Playa de Pozo Izquierdo, s/n. Santa Lucía de Tirajana, Gran Canaria	Latitud: 27° 49.060'N; Longitud: 15° 25.365'O
Dome-covered pilot-scale test area	x	x	x	x	x	x	x	x	x	Includes: physical space for small-scale controlled work, workshop work - maintenance, equipment repair, etc.; and availability of seawater intakes (SOI < 1) and authorised brine discharge.	ITC	Available under any type of form	Playa de Pozo Izquierdo, s/n. Santa Lucía de Tirajana, Gran Canaria	Latitud: 27° 49.060'N; Longitud: 15° 25.365'O
Nanofiltration pilot plant for the pre-treatment of seawater or SWRO brine			x	x		x	x			Nanofiltration pilot plant for the pre-treatment of seawater or seawater reverse osmosis brine, with a capacity to treat 6 m3/h, with high rejection of divalent ions	ITC	Available under any type of form	Playa de Pozo Izquierdo, s/n. Santa Lucía de Tirajana, Gran Canaria	Latitud: 27° 49.060'N; Longitud: 15° 25.365'O
Open-air demonstration-scale test area	x	x	x	x	x	x	x	x	x	Includes: outdoor physical space for small- and medium-scale demonstrations with and without renewable energies (wind and photovoltaic); availability of seawater intakes (SOI < 1) and authorised brine discharge; operating ranges in m3/h and land requirements to be analysed on a case-by-case basis.	ITC	Available under any type of form	Playa de Pozo Izquierdo, s/n. Santa Lucía de Tirajana, Gran Canaria	Latitud: 27° 49.060'N; Longitud: 15° 25.365'O
Pilot plant for SWRO brine concentration using Osmotically Assisted Reverse Osmosis (OARO) membrane technology			x	x		x	x			Pilot plant for seawater reverse osmosis brine concentration using Osmotically Assisted Reverse Osmosis (OARO) membrane technology for research and demonstration purposes with a capacity to treat up to 4 m3/h of brine and achieve concentrations higher than 200 g/L	ITC	Available under any type of form	Playa de Pozo Izquierdo, s/n. Santa Lucía de Tirajana, Gran Canaria	Latitud: 27° 49.060'N; Longitud: 15° 25.365'O
Water analysis laboratory			x		x	x	x	x	x	Seawater, brine and desalinated water physico-chemical, microbiological and pollutant analysis.	ITC	Shared by collaborative project	Playa de Pozo Izquierdo, s/n. Santa Lucía de Tirajana, Gran Canaria	Latitud: 27° 49.060'N; Longitud: 15° 25.365'O