

### Leaders in DESALINATION by REVERSE OSMOSIS.



#### **About GS INIMA**

Positioned as one of the companies with the largest number of plants in terms of concessions, GS Inima is a world benchmark in the water sector. We act in all phases of the projects: Design, Technology, Construction, Financing, **Operation and Maintenance**, whether using seawater and brackish water or industrial and urban wastewater.

**Leader in desalination by reverse osmosis**, GS Inima is among the world's most important desalination companies and is a pioneer with the world's **first desalination plant built.** 





#### Our figures, our best endorsement







employees





+30 For the Hants Hants



+1.500.000 m³/day treatment capacity



+7M population served



### **OUR REFERENCES:** creating value for our customers

#### **AMERICA**

Arica brackish water desalination plant - Financed, designed, built and operated by Inima. With a reverse osmosis treatment system and intakes with wells, Arica was the first large-capacity desalination plant in the country.

Atacama desalination Plant - Design, construction and O&M of the Desalination Plant. The marine works were carried out by means of microtunneling technology, minimizing the environmental impact. One of the most efficient plants worldwide with lower energy consumption (2,8 kWh/m<sup>3</sup>) and 7 UF modules.

Los Cabos desalination plant - First desalination plant for human consumption in Mexico. GS Inima used the latest technological advances for

the pretreatment, using large capacity filters in GRP, as well as for the reduction of energy consumption with ERI's.

Desalination plant in Ensenada - Mexico's largest desalination plant for human consumption, covering the city's current and future water demand. GS Inima offers services for the collection and desalination of seawater, purification and disposal of waste water in Ensenada, Baja California.

**Hialeah desalination plant** – A 10 MGD capacity brackish water desalination plant, built in Hialeah, Florida. According to the progress in operations can process up to 17.5 million. Deep well injection for brine disposal.

#### EUROPE

Carboneras desalination plant - GS Inima built the Carboneras Plant with the most advanced desalination technology available, which uses the pressure of the reject water to generate electricity. At the time of its construction, it was the largest desalination plant in Europe.

#### AFRICA

Mostaganem - GS Inima used the latest technological advances for the protection of the reverse osmosis membranes, as well as for the reduction of energy consumption.

**Cap D'Jinet** - GS Inima applied cutting-edge technology to reduce energy consumption product water. Pumping station with capacity of 100.000 m³/day at 20 bar pressure.

#### ASIA

Ghubrah III desalination plant - The Ghubrah III Desalination Plant has a capacity of 300,000 m3/ day. It is a marine work with an open intake and two pipelines of 2000 mm diameter and 1300 m length, two brine discharge pipelines of 1600 mm diameter and 800 m length.

Barka V desalination plant - Reverse osmosis seawater desalination plant with a capacity of 100,000 m<sup>3</sup>/day in periods of high demand. Water supply is expected to improve in the Muscat and Batinah areas.

**Daesan** - The Daesan desalination plant will be the first large capacity in South Korea. GS Inima is in charge of Engineering, Supply and Construction (EPC).

# More than 50 years designing the best innovative solutions for each stage of the Desalination Process

1 Seawater intake

As a leader in desalination by reverse osmosis, GS Inima has developed a unique portfolio of technologies based on **the integration of designs, energy saving and the reduction of atmospheric emissions.** 

2001	2003
Carboneras (Spain)	Antofagasta (Chile)
First company to	First company to
design and install	install an anti-jellyfis
pressure center in the	air system.
feed site.	

#### 2006 Los Cabos (Mexico)

First company to install GRP sand filters and PX-220 isobaric energy recovery devices.

#### **2018** Atacama (Chile)

Plant with energy consumption below 2.8 kWh/m³.

#### **Innovative Processes developed by GS Inima**

#### ROWSIP

"Reverse Osmosis With Simple Intake and Pretreatment".



#### FOWE

Energy recovery from the brine of a seawater desalination plant through direct osmosis membranes.



#### DC-SOIAS

Capacitive deionization of brine from brackish desalination plants.



## WHY GS INIMA?





#### **FINANCING CAPACITY**

With extensive experience in concession contracts (+20), we have **a solid solvency through our partner GS E&C.** 

#### GLOBAL

We are a **global company with a local focus** meeting the needs of our customers.



#### WORKFORCE

Licensed, **highly trained operation experts** in all kind of equipment for desalination.



#### INNOVATION

**Great commitment to R&D&I** with developments that combine **efficiency, profitability and preservation of the environment.** 

#### **TECHNICAL OFFICE**

We combine our **operational and engineering expertise** to integrate the best solutions and **technical performance**.



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