

A wide-angle photograph of a large industrial facility, likely a water treatment plant. The room is filled with rows of machinery, including large red and white pumps and complex piping systems. The floor is a mix of concrete and metal grates. The ceiling is high with visible structural beams and lighting fixtures. The overall scene is clean and organized, showcasing the scale of the industrial operations.

ABENGOA

Water

Corporate Presentation

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1 Who are we?

- Abengoa (MCE: ABG.B) is an international company that applies innovative technology solutions for sustainable development in the infrastructure, energy and water sectors.

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2 Abengoa in Water

- Abengoa provides sustainable solutions to the integral water cycle through large desalination plants, water and wastewater treatment plants urban and industrial, and hydraulic infrastructures.

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3 Our references


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- Water treatment
- Urban wastewater treatment and reuse
- Industrial wastewater treatment and reuse
- Hydraulic Infrastructures
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- Experience, references, internationalization and competitiveness.

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Who
1 are we?

Who are we?



Abengoa (MCE: ABG.B) is an international company that applies innovative technology solutions for **sustainable development** in the infrastructure, energy and water sectors.

Constructing energy infrastructures

- Generating conventional and renewable energy.
- Transporting and distributing energy.

Providing solutions for the integrated water cycle

- Developing desalination and water treatment processes.
- Constructing hydraulic infrastructures.

Being a reference in the transmission and distribution sector

- Developing transmission lines, electric distribution and railway electrification projects.
- Constructing installations and infrastructures for all types of plants and buildings.

Obtaining results in the services area

- Providing operation and maintenance services for plants optimization.
- Managing private assets efficiently.

Furthering new horizons for development and innovation

- Our 280 accumulated awarded patents since 2008 position us as technological leaders in sectors such as solar thermal technology.
- Renewable energy storage and our bet for energy efficiency and water consumption (water-energy nexus).

A Viable **Company with Solid Fundamentals**



Solid business of engineering, procurement, construction and operation and maintenance in high growth markets



Global footprint makes Abengoa's business more resilient and the size of its backlog and pipeline provides revenue visibility



Credibility regained with stakeholders



Leaner organizational structure and high operational efficiency



The development of commercially viable cutting-edge technology has become Abengoa's key competitive advantage



A more focused business model and a healthier, sound capital structure, together with a multidisciplinary set of capabilities places Abengoa in a solid position for future value creation



Formed by a team of committed and skilled people that have specialized and competitive know-how

Main Magnitudes



Global presence with a recognized position of leadership in main world rankings (GWI, ENR).



9.3 GW of installed power in conventional generation plants, of which 1.4 GW are under construction.



2.3 GW* solar power constructed, + 1,000 MW under construction, and 480 MW of wind power.

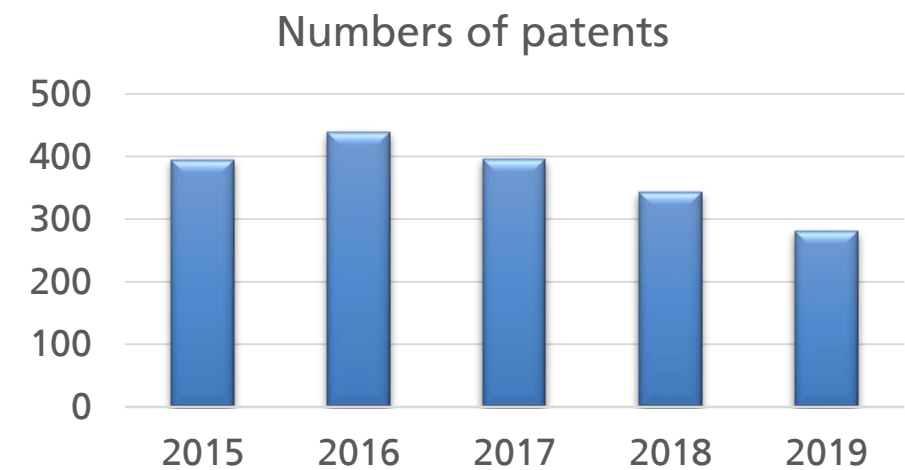
* 30% of the worldwide installed solar thermal energy capacity already under operation.



+ 27,000 km of transmission and distribution lines and more than 330 substations worldwide over the last 15 years.



1.8 million of m³/day of desalinated installed capacity and 2.6 million m³/day under construction.

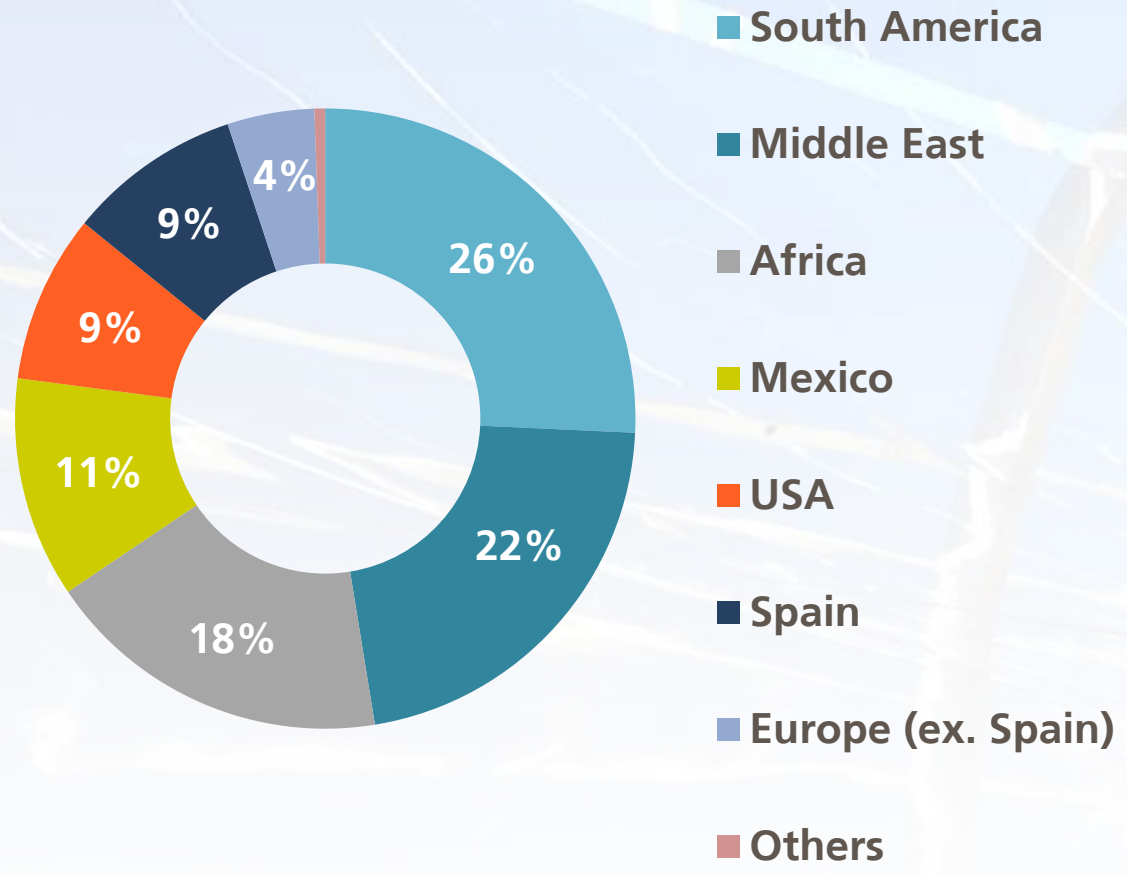


280 patents at the end of 2019.

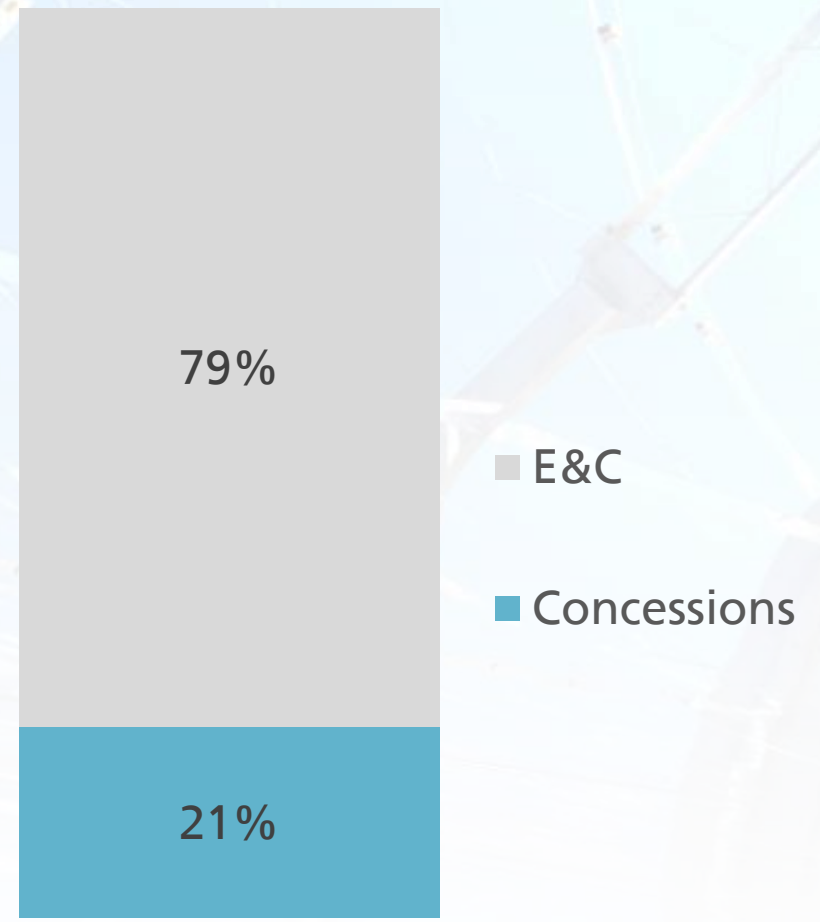
Main indicators

Results as of close of 2019

Revenues by geographies



Revenues by segment



Abengoa Figures	2019
Sales	1,493 M€
EBITDA	300 M€
Employees	14,025

Main projects under execution

- Waad Al Shamal (Saudi Arabia)
- Noor Energy 1 (UAE)
- Agadir (Morocco)
- O&M solar plants (Spain)
- Taweelah (UAE)
- Chuquicamata Humos Negros (Chile)
- Rabigh (Saudi Arabia)
- Fulcrum (USA)

New Projects 2019

Abengoa has been awarded in 2019 new projects for a total value of €1,107 million, including world's largest reverse osmosis desalination plant in Taweelah. Among them:

	Taweelah	UAE	<ul style="list-style-type: none"> Construction of the world's largest reverse osmosis desalination plant with total capacity of 909,000 m³/day.
	Dubal	UAE	<ul style="list-style-type: none"> Construction of a seawater reverse osmosis desalination plant with total capacity of 41,000 m³/day..
	RWEL Klaipeda-Vilnius	Lithuania	<ul style="list-style-type: none"> Electrification of more than 730 km of railway lines.
	Switching Substation Río Malleco	Chile	<ul style="list-style-type: none"> Construction of a 220 kV substation in Chile.
	Seville Airport	Spain	<ul style="list-style-type: none"> Civil works and installations in the expansion of the San Pablo Airport in Seville.
	Southern Peru Copper Corporation	Peru	<ul style="list-style-type: none"> Construction of a retention dam to hold 40,000 m³ at 3,500 meters above sea-level, and several singular buildings within the copper mining facilities.



Lines of activity

Abengoa organizes its activity in several business areas: Energy, Water, Transmission and Infrastructure and Services, all of which are based on R&D and Innovation.



Energy

- Conventional and renewable energy generation.
- Proprietary solar technology and leader in worldwide installed capacity.
- 9.3 GW of installed capacity in conventional generation.
- Experts in hybridization of generation technologies to provide clean and dispatchable energy solutions.

Water

- Specialist in infrastructure for the integral water cycle.
- Excellence in technical capabilities.
- Leader in the international desalination market and a worldwide reference in the construction of hydraulic infrastructures and treatment plants.
- 1.8 million m³/day desalinated water capacity and 2.2 million m³/day of drinking water.

Transmission & Infrastructure

- Leader in the international transmission and distribution and infrastructure market for the energy, industry, transport, environment, communications and rail sectors.
- More than 27,000 km of transmission lines and 330 substations.
- 4,500 electrified km and more than 80 traction substations.

Services

- Service providers for infrastructure in the transmission, water, and renewable and conventional power generation sectors.
- Optimization of O&M, improving management and increasing production.
- 25 years of contracts average life.

A row of large, green, cylindrical water storage tanks, likely for agricultural or industrial use, arranged in a long line. The tanks are mounted on a concrete base and have circular access points. The background shows a clear sky and a palm tree on the right.

Abengoa in **2** Water

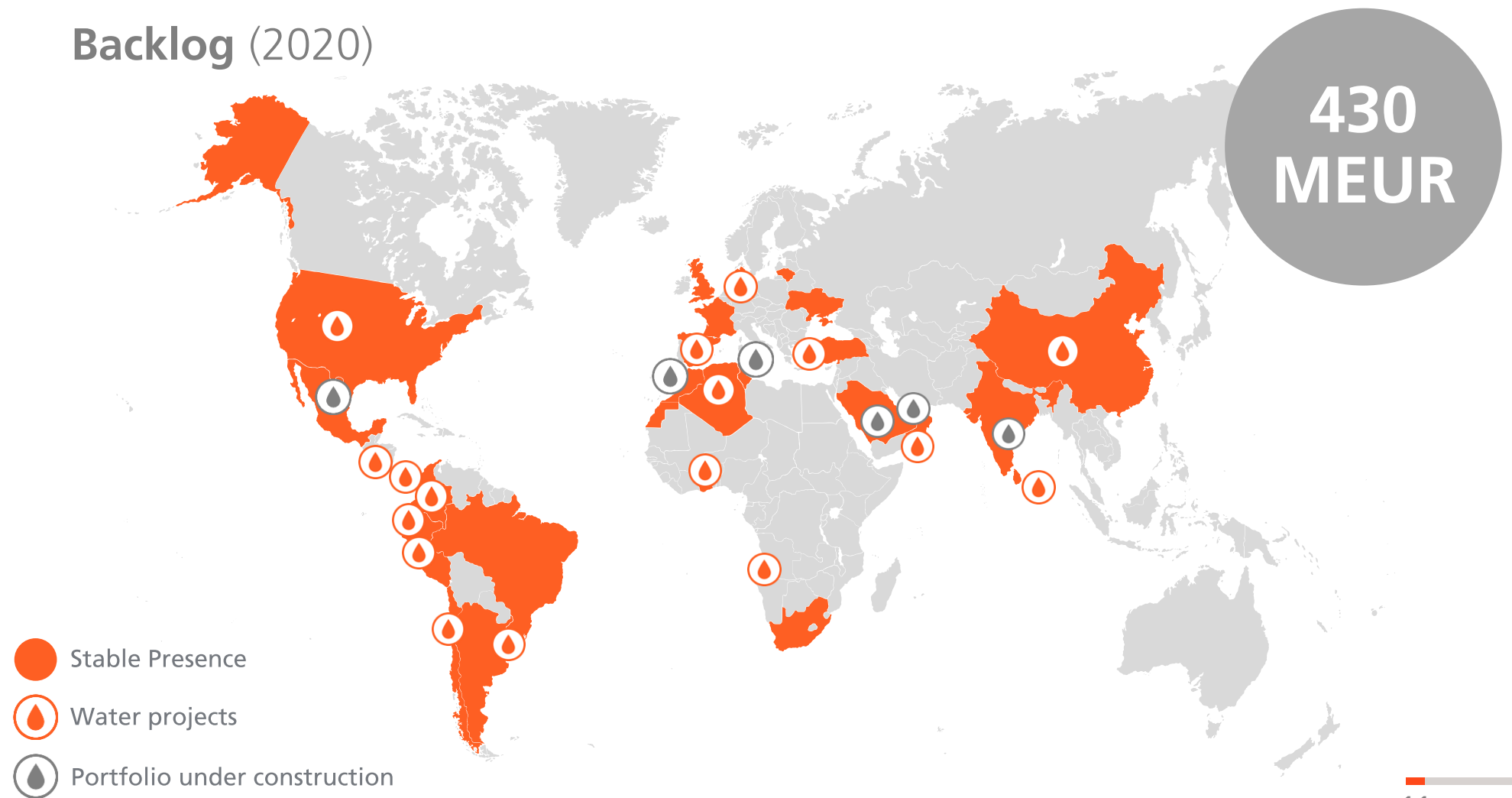
Abengoa in **Water**



Abengoa, through its **Water** business division, works as a **global technological operator** in this sector and integrates **development, engineering, technology** and **project execution** activities for public institutions, private and industrial clients.

It also provides sustainable solutions to the integral water cycle, both to the shortage of water resources, through large **desalination** and **water treatment plants**, and **hydraulic infrastructures**, as well as to the protection of the environment, with the construction of **wastewater treatment plants urban** and **industrial**.

Backlog (2020)



Abengoa, with more than 75 years of experience, is a leading company in the international desalination market and a worldwide reference in the construction of hydraulics infrastructures and treatment plants.

1 Water Treatment

- Desalination
 - Water treatment
 - Wastewater treatment and reuse
- More than 4.4 M m³/d desalinated water
 - More than 2.2 M m³/d drinking water
 - More than 1.5 M m³/d treated wastewater

2 Hydraulic Infrastructures

- Pipelines and pumping stations
 - Irrigation systems
 - Regulation reservoirs
 - Hydroelectric power stations
 - Hydrological and hydraulic infrastructure management
- More than 500,000 hectares irrigated or modernized
 - More than 400 MW installed

3 Industrial Water

- Power
 - Oil and Gas
 - Chemical
 - Mining
 - Steel
 - Pharmaceutical
 - Food and beverage
 - Electronics
 - Pulp & paper
- More than 650,000 m³/d treated industrial water





Our
3 references

Abengoa in **desalination**

Abengoa is a leading company in the international desalination market, and its figures support this

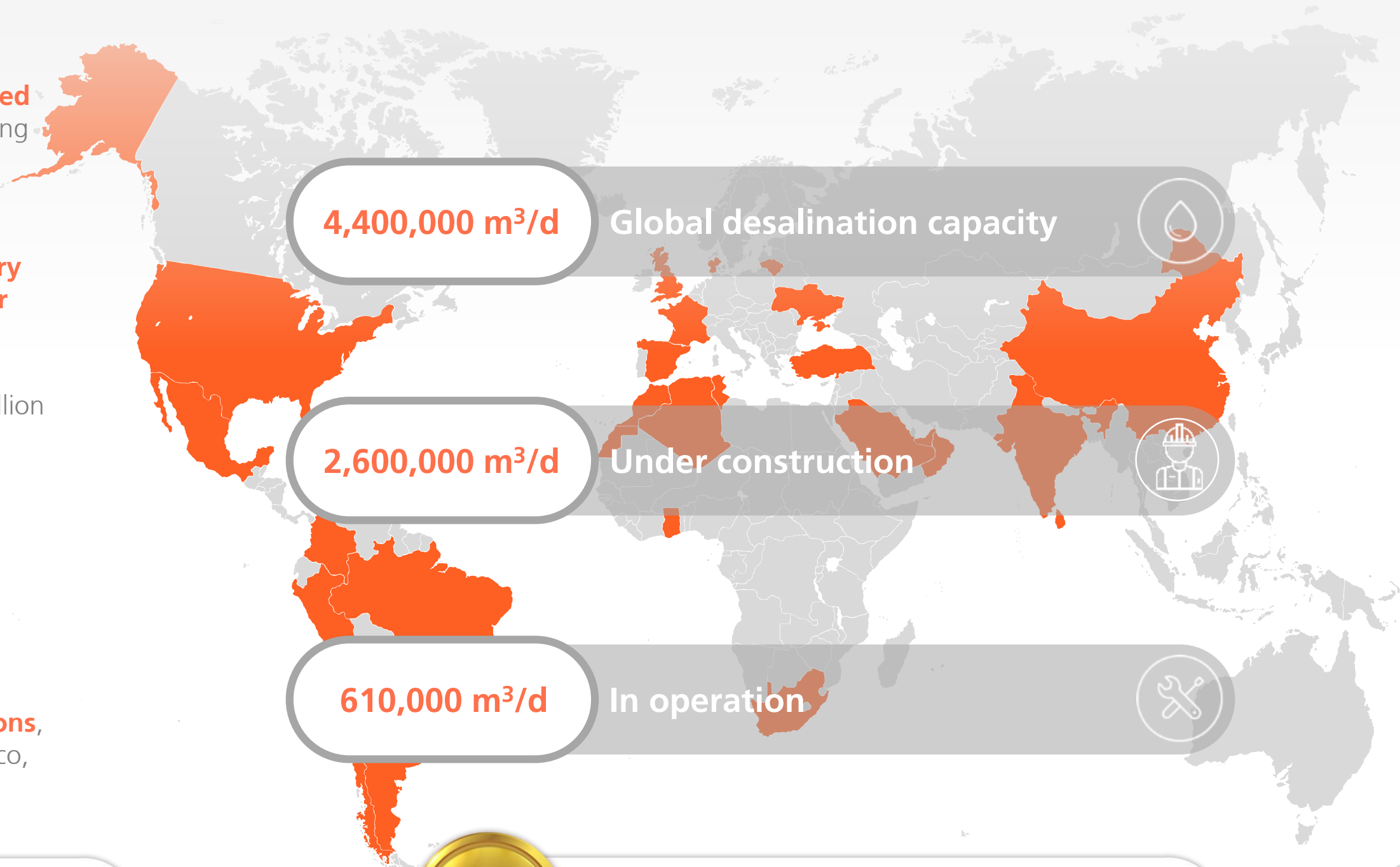
- **Fourth place for its desalination capacity contracted in 2020 and 2021**, and fifth place since 2010, according to IDA Water Security Handbook 2021-2022 and the Global Water Intelligence magazine.
- **First position in Treatment & Desalination category in ENR's Top International Contractors ranking for 2021.**
- We provide water to a population of more than 20 million people worldwide
- **More than 30 plants** built in the United States, India, China, Africa, Middle East, Latin America and Spain
- Plants under construction in Morocco, Tunisia, Saudi Arabia and United Arab Emirates
- **Operation & Maintenance contracts** and **Concessions**, for periods between 15 and 27 years, in Spain, Morocco, Algeria and Ghana.



Desalination capacity contracted in 2020 and 2021
IDA Water Security Handbook 2021-2022



Treatment & Desalination
ENR Top International Contractors 2021 ranking



Abengoa in desalination

Conventional and advanced reverse osmosis processes of seawater and brackish water to produce drinking and process water.

Middle East and Asia

Taweelah. United Arab Emirates	909,000 m ³ /d
Jubail 3A. Saudi Arabia	600,000 m ³ /d
Rabigh. Saudi Arabia	600,000 m ³ /d
Shuaibah. Saudi Arabia	250,000 m ³ /d
Salalah. Oman	114,000 m ³ /d
Qingdao. China	100,000 m ³ /d
Chennai. India	100,000 m ³ /d
Dubal. United Arab Emirates	47,750 m ³ /d
Barka I. Oman	45,000 m ³ /d

Africa

Agadir-Chtouka. Morocco	275,000 m ³ /d
Honaine. Algeria	200,000 m ³ /d
Ténès. Algeria	200,000 m ³ /d
Skikda. Algeria	100,000 m ³ /d
Accra. Ghana	60,000 m ³ /d
Sousse. Tunisia	50,000 m ³ /d

Mexico

Durango	1,700 m ³ /d
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Spain

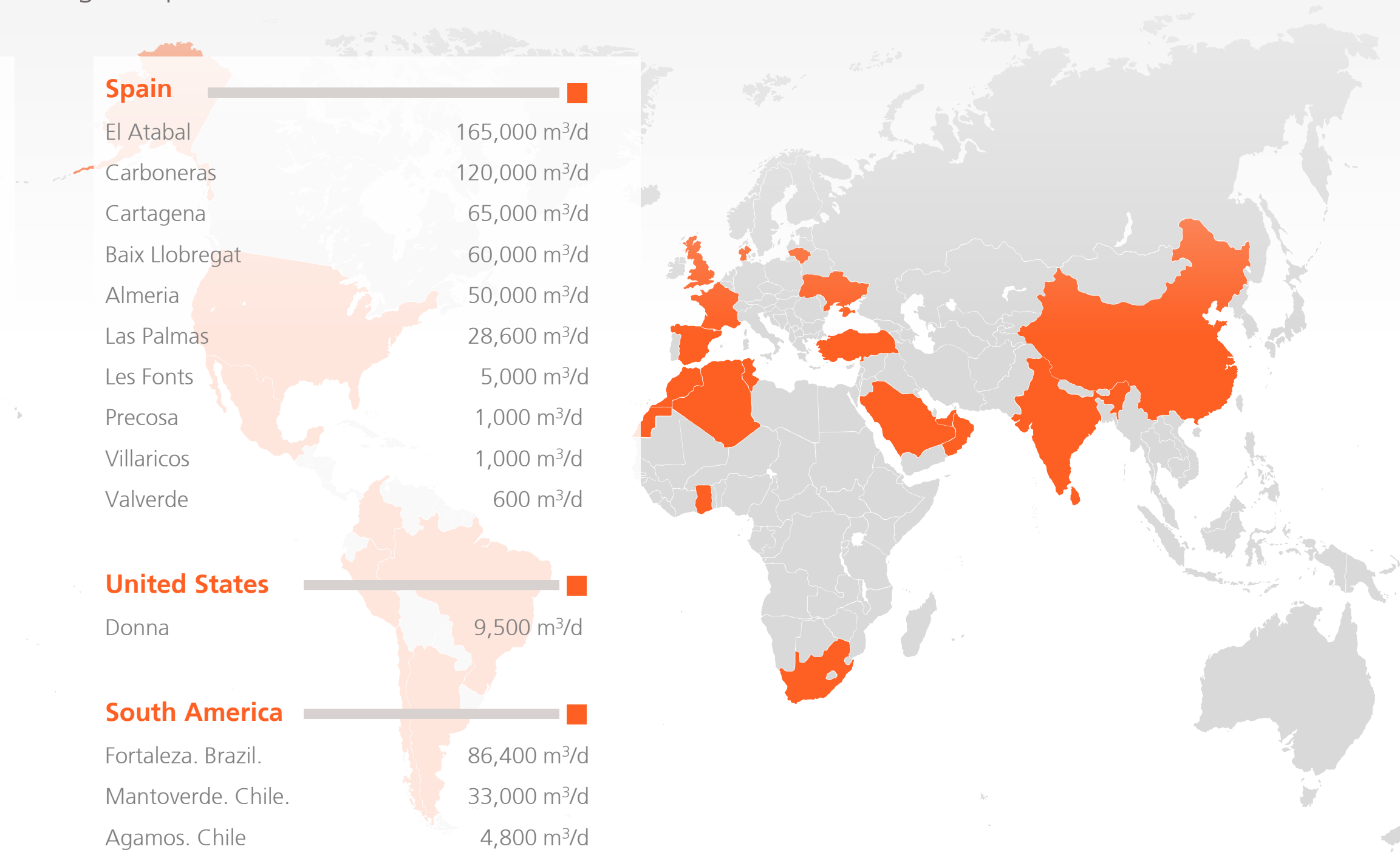
El Atabal	165,000 m ³ /d
Carboneras	120,000 m ³ /d
Cartagena	65,000 m ³ /d
Baix Llobregat	60,000 m ³ /d
Almeria	50,000 m ³ /d
Las Palmas	28,600 m ³ /d
Les Fonts	5,000 m ³ /d
Precosa	1,000 m ³ /d
Villaricos	1,000 m ³ /d
Valverde	600 m ³ /d

United States

Donna	9,500 m ³ /d
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South America

Fortaleza. Brazil.	86,400 m ³ /d
Mantoverde. Chile.	33,000 m ³ /d
Agamos. Chile	4,800 m ³ /d



Abengoa in water treatment

Conventional and advanced processes of drinking water treatment.

Central America

San Juan del Sur. Nicaragua	16,850 m ³ /d
Boaco. Nicaragua	9,700 m ³ /d

South America

Aguas Corrientes. Uruguay	660,000 m ³ /d
Arequipa. Perú	130,000 m ³ /d
Loja. Ecuador	43,200 m ³ /d

Asia

Ratnapura. Sri Lanka	13,000 m ³ /d
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Africa

Xangongo. Cunene. Angola	24,500 m ³ /d
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Spain

El Carambolo	432,000 m ³ /d
Olivares	95,000 m ³ /d
El Conquero	90,000 m ³ /d
Huesna	90,000 m ³ /d
Pinyana	60,500 m ³ /d
Reus	30,000 m ³ /d
Oja-Tiron	28,000 m ³ /d
Ames y Brion	15,000 m ³ /d
Sallent, Avinyo,...	13,000 m ³ /d



Treatment & Desalination
ENR Top International Contractors 2020 ranking



2,200,000 m³/d Global water treatment capacity

+ 11 millones People we supply

+ 15 plantas Plants constructed

Abengoa in urban wastewater treatment and reuse

Physical-chemical processes, biological treatment, membrane bioreactors, advanced tertiary treatment, advanced oxidation processes, anaerobic digestion, sludge management.

Central America

Boaco. Nicaragua	10,000 m ³ /d
Ciudad Sandino. Nicaragua	5,000 m ³ /d

South America

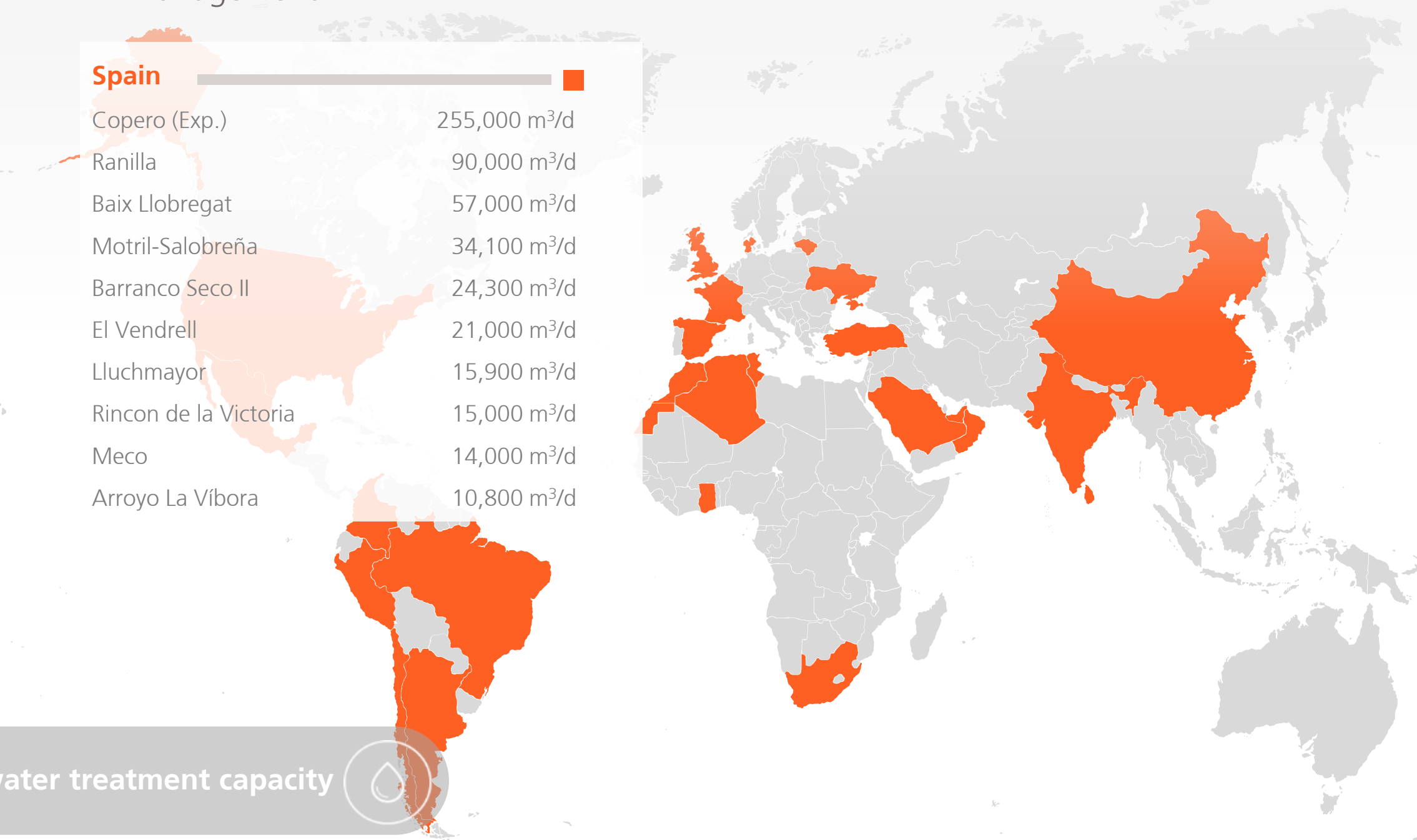
Pariachi. Peru	37,800 m ³ /d
Melo. Uruguay	19,500 m ³ /d
Tacuarembó. Uruguay	9,240 m ³ /d
Buin Oriente. Chile	7,250 m ³ /d

Asia

Nasrullaganj. India	4,200 m ³ /d
Maheshwar. India	5,000 m ³ /d

Spain

Copero (Exp.)	255,000 m ³ /d
Ranilla	90,000 m ³ /d
Baix Llobregat	57,000 m ³ /d
Motril-Salobreña	34,100 m ³ /d
Barranco Seco II	24,300 m ³ /d
El Vendrell	21,000 m ³ /d
Lluchmayor	15,900 m ³ /d
Rincon de la Victoria	15,000 m ³ /d
Meco	14,000 m ³ /d
Arroyo La Víbora	10,800 m ³ /d



1,500,000 m³/d Global urban wastewater treatment capacity

+ 6.5 millones People we serve

+ 60 plantas Plants constructed

Abengoa in Industrial wastewater treatment and reuse

Water treatment for power plants, process water treatment, mining wastewater treatment, iron and steel industries, biorefineries, advanced oxidation processes, zero liquid discharge, etc.

United States

Solana	14,100 m ³ /d
Hugoton	6,650 m ³ /d
Carty	490 m ³ /d

Mexico

Norte III (ZLD)	1,700 m ³ /d
Durango (CCD)	1,700 m ³ /d
Hermosillo	1,400 m ³ /d
El Sauz	750 m ³ /d
A3T	300 m ³ /d

South America

Punta Pereira. Uruguay (Various)	376,000 m ³ /d
Cerro Dominador. Chile (ZLD)	300 m ³ /d
La Sierra. Colombia	40 m ³ /d

Netherlands

Rotterdam	39,120 m ³ /d
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Spain

ENCE. Pontevedra	46,800 m ³ /d
Zicuñaga. Guipuzcoa	40,800 m ³ /d
ArcelorMittal. Gijon (Various)	20,260 m ³ /d
Aboño. Asturias	20,160 m ³ /d
ENCE. Huelva	19,200 m ³ /d
ArcelorMittal. Aviles (Various)	13,700 m ³ /d
Son Reus. Mallorca	3,120 m ³ /d
Solúcar. Seville	2,600 m ³ /d
Ineos Sulphur Chemicals. Bilbao	720 m ³ /d
Bioetanol Cartagena	400 m ³ /d
Babilafuente Salamanca	375 m ³ /d
Bioetanol Galicia	300 m ³ /d
Befesa. Cartagena (ZLD)	250 m ³ /d

Middle East

Dubal. UAE	47,750 m ³ /d
Masdar. UAE	1,000 m ³ /d

Africa

Hassi R'Mel. Argelia	3,100 m ³ /d
Ain Beni Mathar. Morocco	2,900 m ³ /d



Abengoa in hydraulic infrastructures

Dams, reservoirs and regulation ponds, intake towers, pumping stations, impulsions, large diameter pipelines, transfers, irrigation systems, supply and sewerage systems, ground and underwater pipes.

Central America

Ciudad Sandino sup. and sew. Nicaragua Leng: 70 km. Diam: 500-150 mm
 San Juan del Sur sup. and sew. Nicaragua Leng: 47 km. Diam: 500-150 mm
 El Boaco sup. and sew. Nicaragua Dam: 190,000 m³

South America

Loja supply system. Ecuador Leng: 45 km. Diam: 600 mm
 Arequipa supply system. Peru Leng: 11 km. Flow: 260.000 m³/d
 Quebrada de Manchay sup. and sew. Peru Leng: 400 km
 Tierra Amarilla pipeline. Chile Long: 125 km. Diam: 500-560 mm. Flow: 17.280 m³/d. Pow: 4 MW
 Montevideo pumping station. Uruguay Leng : 80 km. Diam: 800-1200 mm

Europe


Denizli sup. and sew. Turkey. Leng: 440 km Diam: 300-2400 mm
 Canal Navarra irrigation system. Spain Hectares: 23,000
 Almería desalination plant reservoir. Spain Capacity: 50,000 m³
 Jucar-Vinalopo pumping station. Spain Flow: 864,000 m³/d Pow: 60 MW
 Negratin-Almanzora pumping station. Spain Flow: 173,000 m³/d Pow: 12 MW


Asia

Ratnapura supply system. Sri Lanka Leng: 6 km. Flow: 13,000 m³/d.
 Roorkee sewerage system. India Leng: 18 km. Diam: 225-280 mm

Africa

Agadir- Chtouka irrigation syst. Morocco Hectareas: 15,000 Leng: 809 km
 Jorf Lasfar pumping station. Morocco Diam: 2,500 mm. Flow: 864,000 m³/d
 Tnine Gharbia pumping stat. Morocco Flow (total): 233,000 m³/d. Pow(total): 2 MW
 Loukkos pump. st. irrigation syst. Morocco Flow (total): 1.2 M m³/d. Pow (total): 15 MW
 Shkirat pumping station. Morocco Flow : 311,000 m³/d. Pow: 6 MW
 Cunene supply system. Angola Leng: 100 km. Diam: 560-710 mm

+ 1,100 km Large pipelines 

+ 300 Projects constructed 

Abengoa in **Hydroelectric power stations**

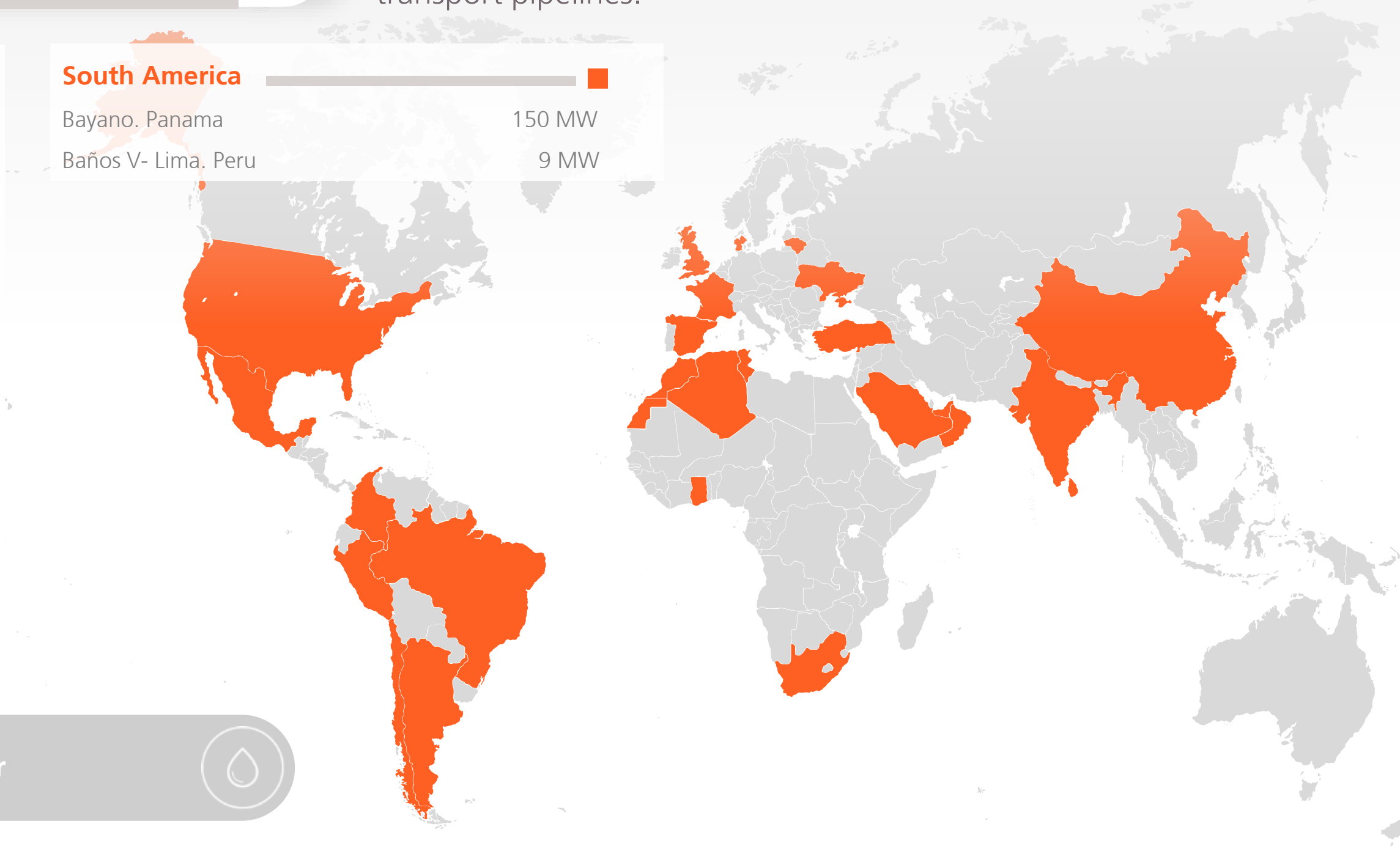
Power stations at the base of dams, run-off river plants and taking advantage of chutes in open channels, power stations in large transport pipelines.

Spain

Itoiz. Navarra	28 MW
Lozoya. Madrid	21 MW
Canal de Navarra. Navarra	20 MW
Sahechores. Leon	13 MW
Tíjola and Los Manueles. Almeria	11 MW
Atazar. Madrid	10 MW
Alange. Badajoz	10 MW
Canal de Aragón y Cataluña	7 MW
Zufre. Huelva	5 MW
Guadalhorce-Guadalteba. Malaga	5 MW
Aracena. Huelva	5 MW
Cerrato. Palencia	4 MW
La Minilla. Sevilla	2 MW
Pedrezuela and Valmayor. Madrid	2 MW

South America

Bayano. Panama	150 MW
Baños V- Lima. Peru	9 MW



+ 400 MW

Global installed power



+ 40

Stations constructed





Our
4 strengths

Our strengths



Experience, references, internationalization and competitiveness: the basis of our growth.

Excellence in technical capabilities and international positioning

1 Safety and health comes first

- Our accident rates are well below those of the sector. Low Frequency Rate 2020: 2.48.

2 Technology and know how

- Proven experience in desalination, water and wastewater treatment and hydraulic infrastructures. Abengoa has a capacity of more than **4.4 million m³ /d of desalinated water throughout the world**, of which close to **2.6 million m³ /d are under construction**, and more than 300 projects executed in hydraulic infrastructures.

3 International recognition

- Presence in the five continents, with more than 30 desalination plants in 13 countries, with a recognized leadership position in the main world rankings (ENR, GWI, IDA).

4 Experience. Technical support

- Solid, committed and highly qualified team, with extensive experience in EPC and O & M, and specialized and competitive know-how, oriented to the satisfaction of our clients. Leadership in engineering and technology.

5 Pipeline diversified in geographies and products

- Wide product portfolio (desalination, wastewater treatment, water treatment, irrigation systems, pipelines and pumping, hydroelectric power plants, etc.). Great business opportunities in the short, medium and long term due to the growing shortage of water resources in many areas of the planet.

Our strengths

Thanks to its experience, Abengoa has received international recognition in desalination by specialized institutions in the water sector

2021	<ul style="list-style-type: none"> National winner of the 2021 MEED (*) Projects Awards. Water Project of the Year: Salah, Oman
2020	<ul style="list-style-type: none"> Desalination Plant of the Year: Shuaibah, Saudi Arabia (GWI**) Highly Commended: Desalination Company of the Year (GWI) GCC winner of the 2020 MEED Projects Awards. Water Project of the Year: Shuaibah, Saudi Arabia
2019	<ul style="list-style-type: none"> Best Public-Private Partnership: Agadir, Morocco (IDA***)
2018	<ul style="list-style-type: none"> Highly Commended Desalination Company of the Year (GWI)
2015	<ul style="list-style-type: none"> Water Company of the Year (GWI) Best Public Private Partnership Project (International Finance Magazine)
2013	<ul style="list-style-type: none"> Desalination Company of the Year (GWI)
2012	<ul style="list-style-type: none"> Highly Commended Water Company of the Year (GWI)
2009	<ul style="list-style-type: none"> Desalination Company of the Year (GWI)
2008	<ul style="list-style-type: none"> Highly Commended Desalination Contract of the Year: Tlemcen Honaine, Algeria (GWI) Highly Commended Environmental Contribution of the Year: Chennai, India (GWI)
2007	<ul style="list-style-type: none"> Developer of the Year (GWI) Desalination Deal of the Year: Beni Saf, Algeria (GWI)
2006	<ul style="list-style-type: none"> Best Desalination Plant of the Year: Carboneras, Spain (GWI) Highly Commended Desalination Company of the Year (GWI)

(*) Middle East Market Intelligence Platform MEED

(**) Global Water Intelligence Magazine

(***) International Desalination Association, IDA





ABENGOA

Innovative technology solutions
for **sustainability**

Thank you .