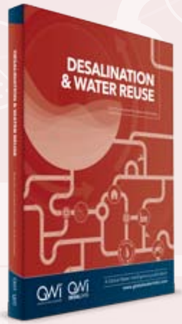
OVERVIEW

Demand for desalination and reuse is set to grow by up to 10% in 2017, as municipalities and industries are diversifying their water supply options due to issues such as water scarcity to meet their unique water challenges. This is driving a resurgence in activity from San Diego to Singapore, and the sector is turning to alternative water treatment solutions and conservation strategies such as reuse.

Desalination & Water Reuse will provide an in-depth analysis of both the municipal and industry sectors showing the main drivers, trends and restraints affecting the market for advanced treatment technologies for desalination and reuse in each country. It will tell you where the best prospects are, who is active in the market and what they are doing. In addition, it will compare desalination and reuse, their drivers and differences, and why utilities and industries would choose to invest in these options so you can understand where there is the greatest demand for your expertise.



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MARKET FORECAST CATEGORIES

Categories marked * will not be available at a country level

COUNTRIES

- Australia
- Caribbean
- Chile
- China
- Egypt
- India
- Iran
- Israel
- Japan
- Kuwait
- Mexico
- Morocco
- Oman
- Qatar
- Saudi Arabia
- Singapore
- Spain
- Taiwan
- Tunisia
- United Arab Emirates
- United States

REGIONS

- Americas
- Europe/Central Asia
- Asia Pacific
- Middle East/Africa

ADDITIONAL & CUMULATIVE CAPACITY

BY PLANT TYPE

DESALINATION
- Thermal
- SWRO
- BWRO

WASTEWATER REUSE
- Triple barrier (UF/RO/Disinfection)*
- Other secondary/tertiary reuse*

BY PLANT SIZE

- Extra-large (>50,000 m³/d)
- Large (10–50,000 m³/d)
- Medium (1–10,000 m³/d)
- Small (<1,000 m³/d)

CAPITAL EXPENDITURE

BY PLANT TYPE

DESALINATION
- Thermal
- SWRO
- BWRO

WASTEWATER REUSE*
- Triple barrier (UF/RO/disinfection)*
- Other secondary/ tertiary reuse*

BY EQUIPMENT CATEGORY

- Civil engineering
- Design costs
- Intakes/outfalls
- Pretreatment
- Pipes/high grade alloys
- Pumps
- Membranes
- Pressure vessels
- Thermal fabrication
- Energy recovery devices
- Equipment/materials
- Installation/services
- Legal/professional costs

OPERATING EXPENDITURE

BY PLANT TYPE

DESALINATION
- Thermal
- SWRO
- BWRO

WASTEWATER REUSE*
- Triple barrier (UF/RO/Disinfection)*
- Other secondary/tertiary reuse*

BY CATEGORY

- Labour
- Thermal energy
- Electricity
- Membranes
- Chemicals
- Parts and materials

SPENDING ON TECHNOLOGIES (CAPEX + OPEX)

BY PLANT TYPE

- Thermal desalination*
- SWRO*
- BWRO*
- Triple barrier reuse*

BY TECHNOLOGY

- High pressure membranes (RO/NF)
- Low pressure membranes (MF/UF)
- Disinfection
- Membrane bioreactors (MBR)

BY SECTOR

- Utility
- Industrial

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KEY FEATURES

» **GLOBAL OVERVIEW:**
Explanations and comparisons of the different approaches in specific regions, stating which solution is most beneficial. Tells you which reuse applications are viable in each country and how regional water quality standards are affecting the uptake of desalination and reuse projects.

» **TECHNOLOGIES:**
In-depth analysis and comparisons of emerging technologies and their regional considerations in desalination and reuse for both municipal and industry sectors. Find out how they meet industry needs and what place they have in the market, the recent trends and where they are commonly adopted.

» **INDUSTRY:**
Explores trends in treatment technologies and the industry methods used – such as adoption of zero liquid discharge practices, and municipal wastewater reclamation for industrial use.

» **GLOBAL MARKET FORECASTS AND DATA:**
Shows growth in desalination and reuse capacity and how this capacity breaks down by technology, end user and procurement model. Also gives a breakdown of installed capacity by technology type, procurement model and reuse destination.

» **COUNTRY-BY-COUNTRY PROFILES:**
Covers municipal and industrial desalination and reuse, showing where the most interesting developments are taking place from the Middle East to China, so you can identify the main trends and opportunities and plan your strategy for involvement.

» **PLANTS AND PROJECT OPPORTUNITIES:**
Lists the top plants and major upcoming projects for both utilities and industrial desalination and reuse, helping you to understand the need for desalination as a water supply solution in a certain country, the procurement models they use, and how you can access the market.

MARKET DRIVERS AND CHALLENGES

COST

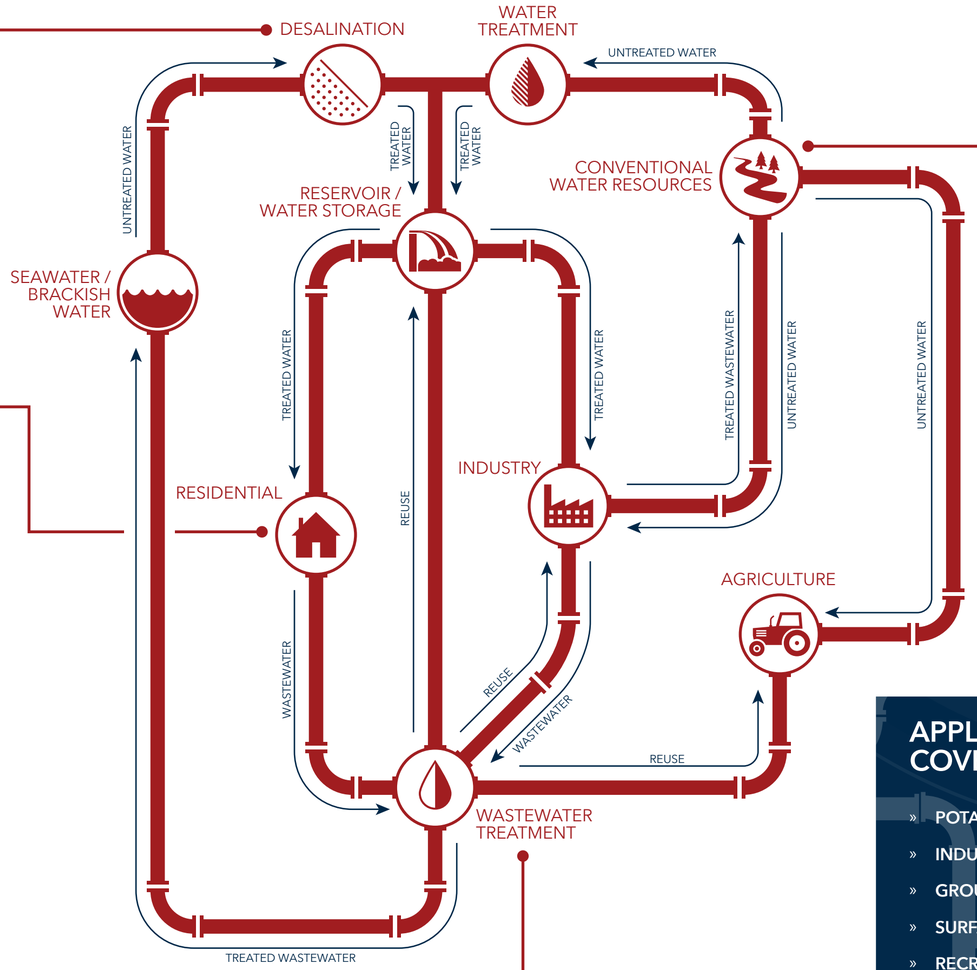
We explore how local regulations, availability of water resources, procurement models and political situations affect the costs of desalination and reuse projects. We **pinpoint the regions** where water reuse is considered a cheaper alternative, and where desalination projects are preferred despite the increased costs.

PUBLIC PERCEPTION

Reclaimed water is considered safe when appropriately used, although there are still public concerns over using reclaimed water and government policies on treatment. In some regions, opinion remains a challenge but in other regions there is a drive towards changing public perceptions, promising indirect and direct reuse opportunities in the future. This report will tell you **which reuse applications are viable** in each country.

REGULATIONS

There are numerous local regulations restricting where recycled water can be used. This report helps you to **navigate the regulations** surrounding recycled water in each country, including what applications are permitted, water quality requirements, and what regulations mean for treatment technologies.



WATER SCARCITY & REGIONAL WATER RESOURCES

We explore how different climates and regions affect the adoption of desalination and reuse – such as how arid regions in the Middle East have come to rely on desalination and technology to provide municipal water, and how scarcity impacts uptake of alternative water sources in various regions.

APPLICATIONS COVERED

» POTABLE REUSE
» INDUSTRIAL
» GROUNDWATER RECHARGE
» SURFACE WATER ENHANCEMENT
» RECREATIONAL APPLICATIONS

AN ESSENTIAL RESOURCE FOR...

» **DEVELOPERS:**
This report will help inform your bidding decisions in each region. It will help you to identify the most viable projects according to the economic climate and regulatory drivers in each market.

» **CONSULTING ENGINEERS:**
Understand emerging trends in the market and access in-depth analysis of new technologies, so you can pinpoint which technologies best meet the demands of your client.

» **EPC CONTRACTORS:**
This report will help you to stay ahead of the curve and monitor emerging areas of activity and projects, so you can get involved and bid at the earliest stage.

» **INVESTORS:**
In the desalination market, creating financing structures will be the main driver. Find out how desalination and reuse projects are financed, and which countries offer the best opportunities and conditions for investing in these projects. Discover the specific reuse trends worth investing in.

» **TECHNOLOGY PROVIDERS:**
Understand the types of technologies and applications, the needs and challenges and how these are driving demand- and identify the best regions for your solution.

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