Complex
Desalination
Made Simple

Modular Prefabricated SWRO Desalination Solution





IDE Technologies | Your Water Partners

Desalinating Water Since 1965 with Excellence

www.ide-tech.com

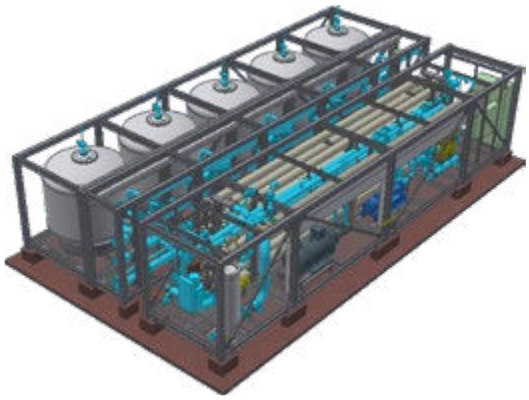
Complex Desalination Solutions Just Got Simpler Than Ever Before

We at IDE are tuned to our customers' ever changing requirements and constrains. For this reason, we developed the IDE Modular Prefabricated Design (MPD) philosophy - a platform that provides a simple and flexible designs to a range of desalination plants.

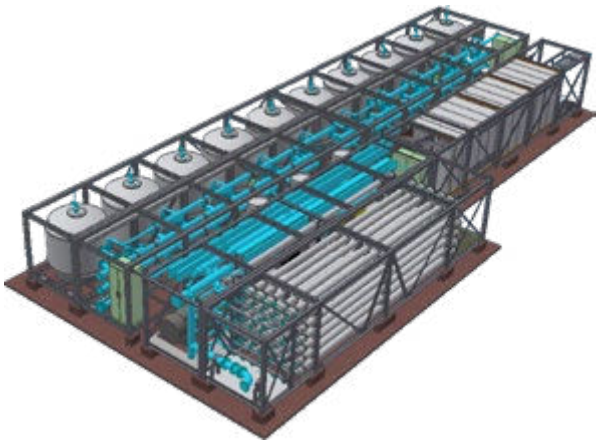
With our MPD prefabricated modules, all manufacturing and testing work is completed in off-site workshops and in QA/QC controlled environments, minimizing on-site work and ensuring the highest standards. As the design is modular, your plant can easily be expanded in the future to meet your changing needs, by using the module's existing capacity or adding additional modules.

Our MPD concept provides a perfect solution for a variety of needs, where RO is the technology of choice. The MPD is available in a range of sizes - from 1,600 m^3/day complete RO systems, equipped with integrated pretreatment, and up to prefabricated modules for mega size RO plants. The MPD maximizes off-site prefabrication for fast installation and minimal on-site labor.

MPD SWRO Systems | 1,600 - 5,000 m^3/day

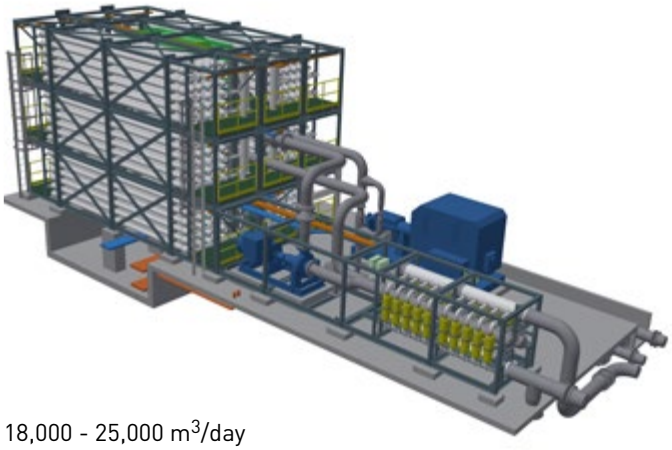


1,600 - 2,000 m^3/day

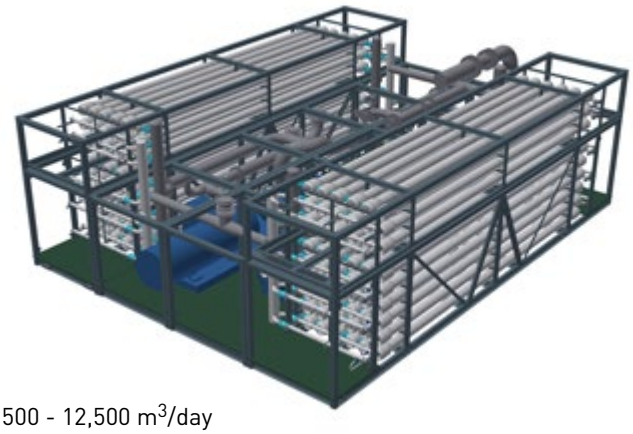


3,500 - 5,000 m^3/day

MPD design is suitable for large scale desalination SWRO plants



18,000 - 25,000 m^3/day



8,500 - 12,500 m^3/day

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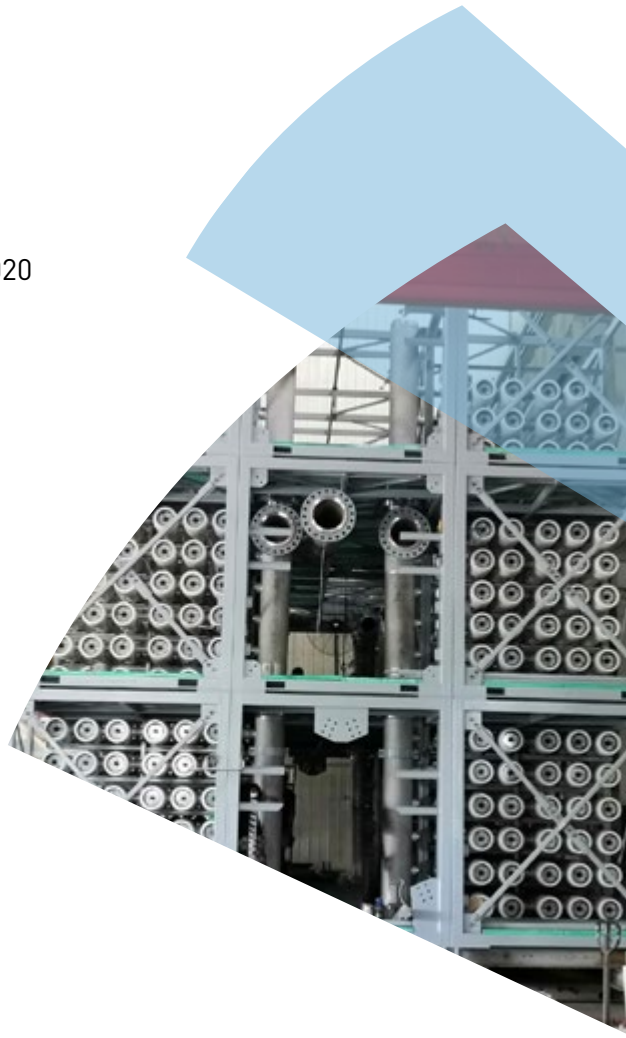
Main References

- **Jurong Island Desalination Plant, Singapore**
  Capacity: 135,000 m^3/day (35 MGD) | To be commissioned: 2020
- **Formosa Group, Taiwan**
  Capacity: 105,000 m^3/day (27.7 MGD) | To be commissioned: 2020
- **Quebrada Blanca, Chile**
  Capacity: 102,360 m^3/day (27 MGD) | To be commissioned: 2020
- **Oteko, Russia**
  Capacity: 2 x 5,500 m^3/day (2.9 MGD) | Completed: 2018
- **Santa Barbara, USA**
  Capacity: 10,500 m^3/day (2.8 MGD) | Commissioned: 2017
- **WEB Bonaire, Bonaire Island**
  Capacity: 5,600 m^3/day (1.23 MGD) | To be commissioned: 2020
- **Koh Tao Water, Thailand**
  Capacity: 1,000 m^3/day (0.3 MGD) | Commissioned: 2015
- **Mulpha Hotels, Hayman Island, Australia**
  Capacity: 1,000 m^3/day (0.3 MGD) | Commissioned: 2014



Lower Risk - Higher ROI

Lower Risk

- Full prefabrication & testing in the workshop
- Reduced site works
- Fast delivery & shorter execution schedule

Higher ROI

- Pre-set for future expansion
- Minimal expenses related to infrastructure and civil works

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From Ocean to Tap

City of Santa Barbara Refurbishes a 20-year-old SWRO Plant to Meet 21st Century Needs

Exceptional drought conditions demand exceptional thinking, and in July 2015 the City of Santa Barbara decided to refurbish its old plant, which had been in long-term standby mode since 1991. Significant engineering was required to bring the plant online and provide a substantial contribution to the city's challenging water needs, independent of the constant threat of drought.

The 10,560 m^3/day (2.8 MGD) plant was commissioned in late 2017, with the option to expand to a capacity of 25,344 m^3/day (6.7 MGD). The plant currently provides 30% of the city's water supply.



IDE - Over 50 Years of Experience

Sustainability. Resilience. Community.

A world leader in desalination and water treatment solutions, IDE is at the forefront of the development, engineering, construction and operation of enhanced desalination, industrial water treatment and water reuse facilities. IDE's headquarters are in Israel, with offices in the USA, China, India, and Chile, facilitating client partnerships across the globe.

- Proven and robust water treatment technologies that provide our clients with end-to-end solutions
- Developed some of the most advanced membrane-based and thermal solutions
- Designed, built and operates some of the world's largest desalination plants
- Successful implementations in more than 400 plants in over 40 countries

MIT Technology Review 2015 -16
50 Smartest Companies

2016 Fortune Change the World List
2nd place

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