

# DESALINATION PLANTS.

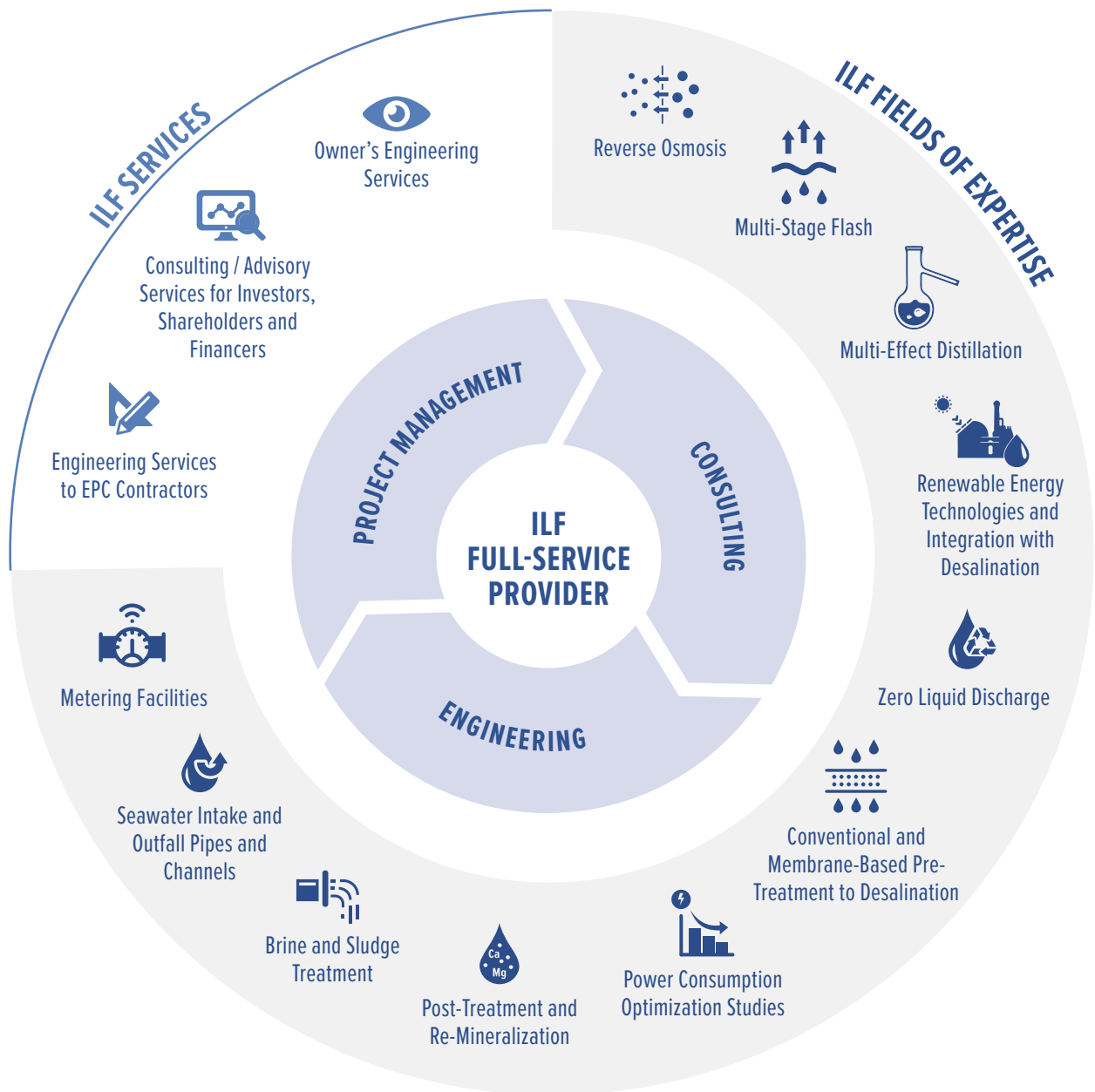
ENGINEERING EXCELLENCE.



# DESALINATION PLANTS

Rapid economic growth as well as the constant growth of major cities around the world has drastically increased the demand for fresh potable water. Desalination offers a sustainable, reliable and secure response to this growing demand.

ILF gives top priority to developing eco-friendly desalination plant design solutions which maximize efficiency.



**5X INCREASE IN THE AMOUNT OF DESALINATED WATER SINCE 2000. IN 2021, ILF CONTRIBUTED 1,600,000 M<sup>3</sup>/D.**

ILF has a deep knowledge of sea water reverse osmosis (SWRO) systems and pre-treatment technologies, such as ultrafiltration, gravity vs pressurized media filtration, dissolved air flotation, etc.

## HIGHLIGHTS

- Desalination department made up of experts with 20+ years of experience in the business
- Project management and engineering team experienced in working in the Engineering, Procurement and Construction (EPC) and Independent Water Plant/Project (IWP) / Independent Water and Power Plant/Project (IWPP) / Build-Own-Operate (BOO) / Build-Own-Operate-Transfer (BOOT) business
- Project managers familiar with different project sizes and complexities (from pilot up to mega projects with a capacity higher than 100 MIGD)
- Variety of projects in the Middle East, Africa, Asia, South America and Europe
- Know-how in operating advanced simulation/optimization software



*“The lack of access to potable water in many regions is a call for our team to provide customized solutions for drinking water production.”*

Roberto Mangano,  
Managing Director, ILF Consulting Engineers – Abu Dhabi

## PROJECT HIGHLIGHTS

### Owner’s Engineering:

- Al Basrah Seawater Desalination Project, 1,000,000 m<sup>3</sup>/d, IRQ
- Taweelah IWP, 909,000 m<sup>3</sup>/d, UAE
- Jubail 3A IWP, 600,000 m<sup>3</sup>/d, KSA
- Jebel Ali SWRO Plant, 181,000 m<sup>3</sup>/d, UAE

### Technical Consultancy and Advisory Services:

- Project Wave, 522,790 m<sup>3</sup>/d, UAE
- Dhofar Water IWP, 150,000 m<sup>3</sup>/d, OMA
- Feasibility Study to Secure Water Supply to Namibia, 50,000–200,000 m<sup>3</sup>/d, NAM
- Taweelah IWP, 909,000 m<sup>3</sup>/d, UAE
- Yanbu IV IWP, 450,000 m<sup>3</sup>/d, KSA
- AD RO Islands IWP, 454,600 m<sup>3</sup>/d, UAE

### Lender’s Engineering:

- Ghubrah 3 IWP, 300,000 m<sup>3</sup>/d, OMA
- Qingdao SWRO Plant, 100,000 m<sup>3</sup>/d, CHN
- Sohar IWP, 250,000 m<sup>3</sup>/d, OMA

### Engineering / Design Works:

- Qurayyat IWP, 200,000 m<sup>3</sup>/d, OMA
- Marina East Desalination Plant, 136,000 m<sup>3</sup>/d, SGP
- Spence Growth Options Project, 84,000 m<sup>3</sup>/d, CHI



Taweelah IWP, UAE



Jebel Ali SWRO Plant, UAE



Sharqiyah IWP, OMA



Desalination Plant 3D



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