CAPSULE™
Water Treatment Unit

Ready-to-Use
Water Treatment Units

Irrigation

Drinking Water

Industrial Applications

GES Your water treatment expert

CAPSULE™
Water Treatment Unit

CONTAINERIZED DESALINATION UNITS FOR SEA & BRACKISH WATER

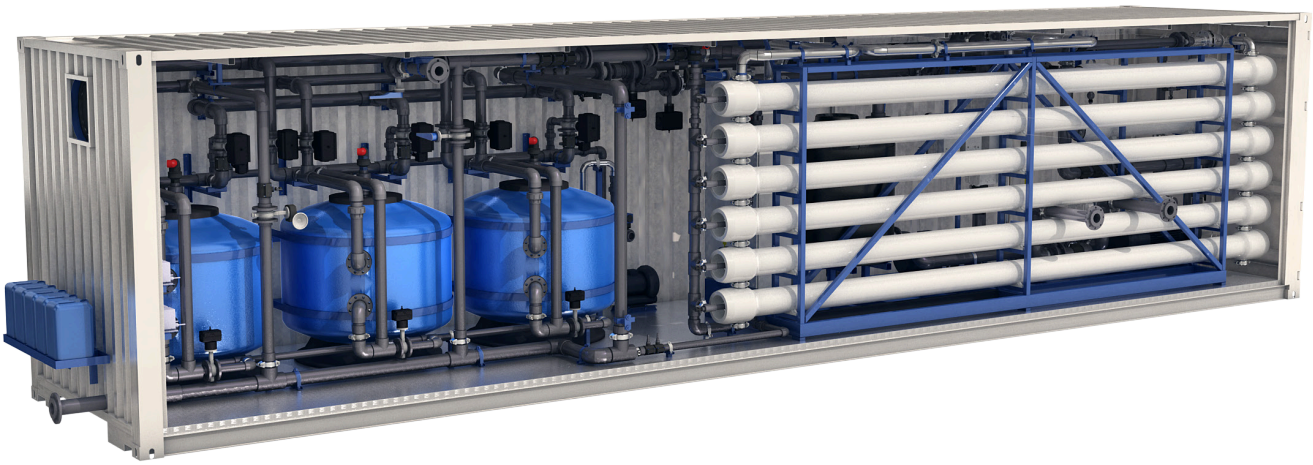
GES offers its customers innovative and cost-effective modular desalination solutions. Integrating high-end, quality equipment with our professional engineering team and vast experience, GES offers customers containerized water treatment solutions for a variety of applications.

In response to the demand for rapidly deployable, modular, containerized water treatment systems, GES presents the CAPSULE™ - pre-designed compact and robust solution for the sea and brackish water desalination.
CAPSULE™ is a feature-rich and technically superior system which provides the customer with the cost-effective and reliable water processing.

All plants are fully factory tested prior to dispatch thereby reducing installation and commissioning time on site.

ADVANTAGES

- Plug and Play, rapidly deployable unit
- Minimal civil works required
- Small footprint
- Modular unit allowing easy expansion
- Easy maintenance
- Low energy consumption
- Low chemicals consumption
- High-end, quality equipment



SEA WATER DESALINATION UNIT

Max daily capacity:	250 m^3/d	1,000 m^3/d
	66K GPD	264K GPD
Feed TDS:	up to – 40,000 mg/l	
Feed water temperature	12-32°C	
Product TDS:	<500 mg/l (*)	
Recovery rate	up to - 50%	
Specific energy consumption	3.0 - 3.9 KWh/m3 product	

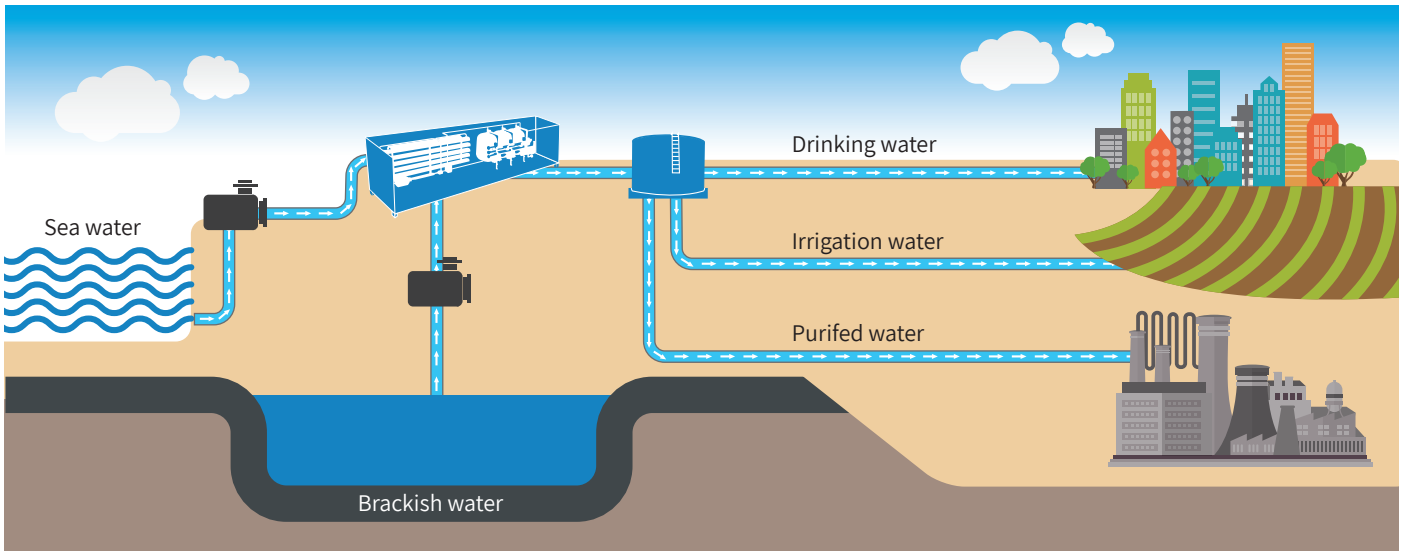
BRACKISH WATER DESALINATION UNIT

Max daily capacity:	500 m^3/d	1,000 m^3/d
	132K GPD	264K GPD
Feed TDS:	up to - 5,000 mg/l	
Feed water temperature	12-32°C	
Product TDS:	<250 mg/l (*)	
Recovery rate	Up to 80%	
Specific energy consumption	0.5 -1.5 KWh/m3 product	

(*) Complies with WHO standards

GES

THE CAPSULE SERIES



CAPSULE APPLICATIONS

Irrigation

CAPSULE™ Water Treatment Unit

- Agriculture Irrigation
- Greenhouses
- Brackish water source
- Effluent water source

Drinking Water

CAPSULE™ Water Treatment Unit

- Municipal water
- Off grid locations
- Emergency water supply
- Resorts
- Construction sites
- Hospitals

Industrial Applications

CAPSULE™ Water Treatment Unit

- Power stations
- Refineries
- Petrochemical
- Cooling towers & Boiler feed
- Demin water pre-treatment

BASIC SCOPE

- Pre-treatment unit (MMF or UF)
- Desalination unit
- Energy recovery device (for seawater)
- Clean-In-Place unit
- Programmable Logical Controller (PLC)
- Motors Control Cabinet (MCC)
- O&M manual and operators training

OPTIONAL SCOPE

- Intake pump
- Enhanced pretreatment unit
- Re-mineralization unit
- Chlorination and pH adjustment station
- Electrolysis chlorination unit
- Delivery pumps
- Glass-fused-to-steel product storage tank
- Remote control module
- Thermal insulation
- Adaptation to 60Hz
- ANSI standard compatible as required

OPTIONAL SERVICES

- After sale support
- Extended warranty
- Remote monitoring
- Consumables and spare part supply
- Full hybrid power solution for off-grid locations
- Unified central remote control and management
- Smart Security with access control for theft prevention

GES

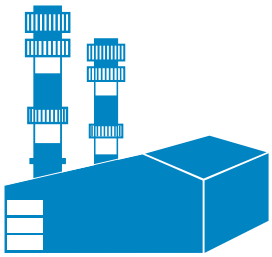
GES Your water treatment expert

Founded in 1988, GES is a member of the Azrieli Group – one of the largest and most profitable Israeli holding companies, with a net annual operating income of more than USD 1.9 billion.

GES offers:

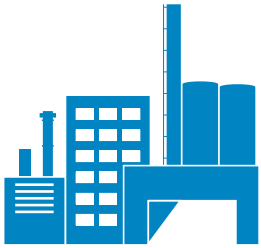
- Advanced, flexible water treatment systems that optimize CAPEX and OPEX
- Environmentally friendly solutions
- Compliance with the most stringent industry standards and regulatory requirements
- Treating wide range of water sources, including seawater, brackish, surface, or grid water
- Multi-disciplinary in-house expertise

BUSINESS AREAS



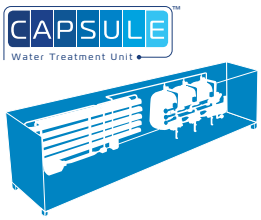
POWER STATIONS

Highest standard custom made demineralized and ultrapure water systems



INDUSTRIAL APPLICATIONS

Integrated desalinated and ultrapure water plants for power generation units and cooling towers



READY-TO-USE

Compact, modular, skid mounted or containerized water treatment solutions

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