**Procera* Seawater Solutions**

**Products and processes to desalinate seawater**

**Your source for water in abundance**

Water today is more precious than ever. Whatever your need, wherever you are, GE’s Water & Process Technologies can deliver a reliable, safe supply of fresh water from virtually any water source including seawater or brackish water.

Our Procera desalination solutions are based on the latest technologies. As experts in seawater technologies, we offer solutions that encompass:

- Water reuse and conservation throughout your operations
- Optimization of existing water production
- Design and construction of new, energy efficient and environmentally friendly desalination processes

**Complete solutions from a single source**

GE supplies Procera desalination solutions designed specifically for your application. To help plan your system, we analyze your water requirement, test your source water, evaluate your potential for reuse and conservation, and perform a treatment cost-benefit analysis. Your fully integrated desalination process can include:

- Depth Filters
- UF Pre-treatment
- Reverse Osmosis Elements
- Pre-engineered Systems
- Chemicals
- Lifecycle Services
- InSight*
- Build, Own & Operate (BOO)

**Pre-treatment products:**

Procera depth filters offer superior SDI reduction, lower pressure drop with greater dirt holding capacity and up to twice the life of conventional depth filters. ZeeWeed* Ultrafiltration (UF) pre-treatment offers benefits for your SWRO including: lower membrane fouling, reduced cleaning costs, increased flux, increased membrane life and longer membrane warranty.

**Depth Filters**

![Depth Filters Image]

**ZeeWeed UF Seawater Membranes**

![ZeeWeed Membranes Image]

**Packaged Plants**

![Packaged Plants Image]

**Custom Systems**

![Custom Systems Image]

**Lenntech**

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Procera RO Membranes:
GE offers a broad portfolio of high rejection seawater and brackish water membranes manufactured at the GE Membrane Center of Excellence. Several low energy and low fouling membranes are available to reduce overall desalination plant costs.

Procera Pre-engineered Systems
Procera pre-engineered systems are built in GE factories and factory tested for fast commissioning.

E-Series Ultra

Procera MemChem
Procera MemChem combines complete chemical pretreatment, engineering tools, laboratory capabilities and human expertise to improve membrane separation processes to achieve:
- Longer membrane life
- Superior permeate quality
- Minimum operational cost
- Environmental compliance
- Reduced cleaning frequency
- Lower man power to run the system
- Improved control and monitoring

Procera Lifecycle Services
A complete line of products and services to support your desalination plant – helping you stay current, connected, in production and on budget including:
- Remote monitoring and diagnostics
- Off-site technical support
- On-site technical support
- Parts & Consumables
- Conversions, modifications and upgrades
- Contract services

Procera InSight
Seawater and related process applications generate vast amounts of operating data. InSight, GE’s easy-to-use, cloud-based Remote Monitoring & Diagnostics platform, captures and transforms your plant data into meaningful and actionable information, ultimately providing the knowledge you need to maximize performance, avoid operational interruptions, optimize your processes, and reduce the total cost of operation.

Procera Build, Own & Operate
GE’s outsourced water projects provide customers with little or no capital expenditure, reduced operating costs and improved technical performance

Contact Us
If you would like to know how GE can solve your desalination needs, contact your local GE representative or visit us at www.gewater.com and click on “Contact Us.”

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