

# Energy Cost Reduction Business by GroundWater Usage and SeaWater Desalination



CORPORATE PROFILE

 **ASSOCIATES** | Associates Co.Ltd  
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<http://www.associates.jp/en/>

# ASSOCIATES



# ASSOCIATES WATER

We suggest Advanced Energy Cost Reduction by More Low Risk Water Treatment Business.

We' ve been trying to Resolve Various Problems of Energy Costs which is Taking Advantages of the Expertise Gained in Many Years of Experience.

Customers doesn' t need a large Investment that means Pay-Per-Proposal of Contingency "Rental system & Shared system".

We provide Excellent Proposal Ability included Safety, Amenity and Convenience, And Realization of Various Demands on Higher Level.

## Business Introduction



### Comprehensive Proposals to Water Usage and Energy Cost Reduction, by GroundWater Usage and SeaWater Desalination.

#### Reduction of WaterWorks Rate by GroundWater Usage



Every time Paid Water Expenses, included WaterWorks Rate and Sewerage Charge, But Digging Well and Filtered Well Water in Customer's Facilities, Enable to Meet the Standards and Optimizing for Drinking Water.

Customer General Hospital (Possessing 500 Beds) Actualized Cost Reduction "20 Million Yen per Year", introduced Reverse Osmosis Membrane Device System for Well Water to Reduction of Waterworks Rate. Promising to Reduction Air Conditioning System's Electric and Fuel Cost, by the Characteristics of Well Water that Summer Cool and Winter Warm. The Customer also Constructed for The Member of Welfare Enhanced to Prepare

#### Seawater Desalination Business



Stabilized Continue to Innovate and Operate Seawater Desalination Technology Making Effective Use that the SeaWater Resources Changing to a Large amount of Fresh Water, And Contribution for Water Shortage in the World Level Concerned Matter.

GroundWater Usage System has been often used Innovation for Water Usage Cost Reduction in Japan, Abundant Water Resources. However in Overseas, There are many Countries that is a Lacking of Water Resources. For example in Saipan, Insufficient Water Retention Capacity in Spite of Rainfalls, and Difficult to Ensure Groundwater, Constructing SeaWater Desalination Plant System for Supply Freshwater to Hotels, Factories, and soon.

#### Cost Reduction by the General Suggestion



Possible to Comprehensive Proposals for Energy Cost Reduction, Relating Water Usage Business. Promising Various Synergistic Effect.

Actualized Cost Reduction "50 Million Yen per Year" and Comprehensive Energy Cost Reduction in Commercial Complex. As Constructed Inverter System that Changes Automatically the Frequency of Air Conditioning Pumps by Sensors, Exchanged LED Lightings on Shared Spaces and Backyards. At Same Time, Reduction of WaterWorks Rate by Constructed GroundWater Usage Plant.



# GroundWater Usage Plant Business

## Reduction of WaterWorks Rate by GroundWater Usage

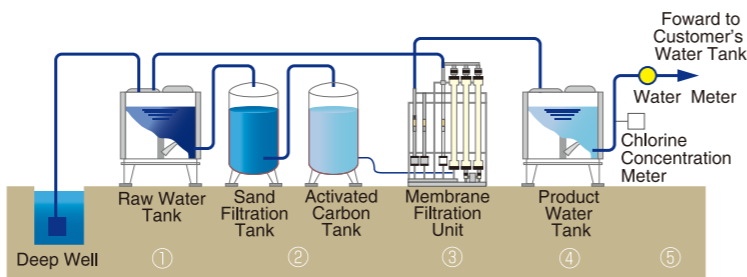
Every time Paid Water Expenses, included Waterworks Rate and Sewerage charge. But Digging Well and Filtered Well Water in Customer's Facilities, Enable to Meet the Standards and Optimizing for Drinking Water.

In Case of Rental Contract for Groundwater Usage Plant, Reduction Cost of Waterworks Rate "20%-50%" and Initial Cost to "ZERO", and Payment of Cost "20%-50% OFF" Optimizing Treated Water Compared to Supplied from Public Water System.

And Furthermore, Reducing Initial Cost in case of new Construction, Share with us the Cost of Constructions. (Example, Water Receiving Tank)

For Customers Benefits are the Standards and Optimizing for Safety and Tasty Water which is good Effects for Sales. Moreover Contribute to Responsibility and Disaster Management for the earthquakes in Japan.

(There is the case of Water Source that Industrial Water or other Water)



## The Advantages of Introducing Membrane Filtration System for Groundwater Usage

### 1 Reduction of WaterWorks Rate

Reduction Cost of Waterworks Rate "20%-50%" Compared to Supplied from Public Water System.

### 2 Supply Water for Safty and Amenity

Innovating Reverse Osmosis Membrane Device System, Optimizing Treated Water More Advanced Than Supplied from Public Water System. Complete Removement of Physically Impurities Containing Pathogen etc. by Membrane Filtration System

### 3 Ensure the LifeLine

Well Water is less influence of the Earthquake, enable to Use Water as usual, Electricity Supply without Interruption, even if Water Outage by Placement Damage of Public Water Supply on the Disaster. Just in case Placement damage in Groundwater Usage Plant. Enable to Recover Earlier to Compared to Supplied from Public Water System.

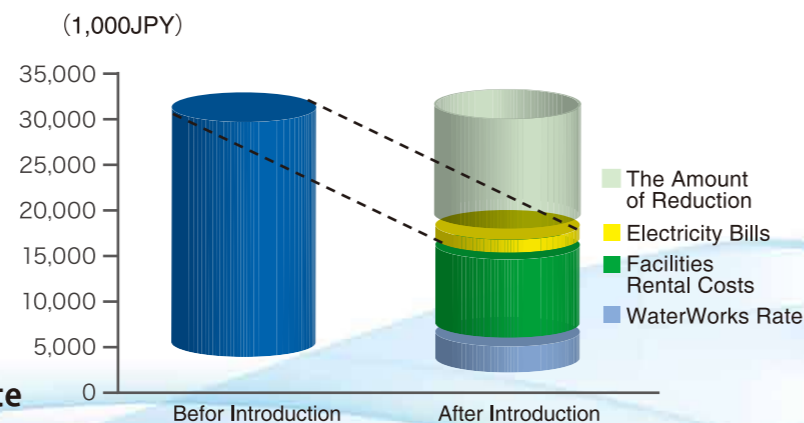
## Introduction Example

Water Consumption / Year	75,000m <sup>3</sup>
Until price of waterworks	400JPY/m <sup>3</sup>

Not Apply Any Initial Cost

**13,400,000** JPY/Year

"45%OFF" Reduction of WaterWorks Rate



# SeaWater Desalination Business

## There are Difficult to Ensure Fresh Water at Overseas and Islands

We have Head Office in SAIPAN and GUAM, TRY to Improve Skills that the use of Advanced Water Treatment Technology, Cultivated Seawater Desalination Treatment Plant.

Our Mission is to Share the Joy of Spring Water Comes out. And Create Availabilities of Sustainable Water Usage for People all over the World Every Time and

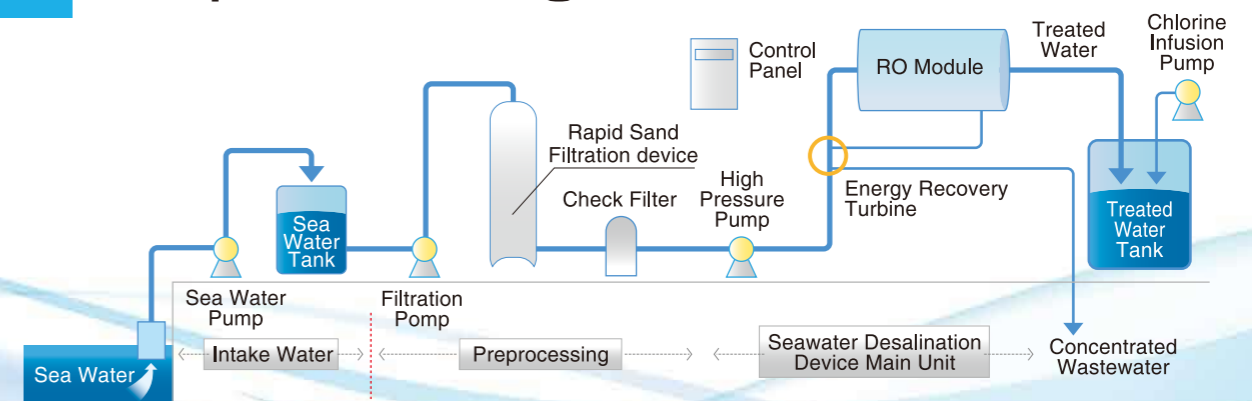


Reduction of Power Consumption "60%OFF"

Enable to Reduction of power consumption "50% Less" Compared to Conventional Systems, by introduced New Energy Recovery System to Reuse Drainage Pressure and Try to Improve Conventional Technologies. Widely Line-up of Products that Integrated Plant Container Type, Made of Aluminum Container Type, Wastewater Treatment Equipment, and Water Purifier for Emergency Use.



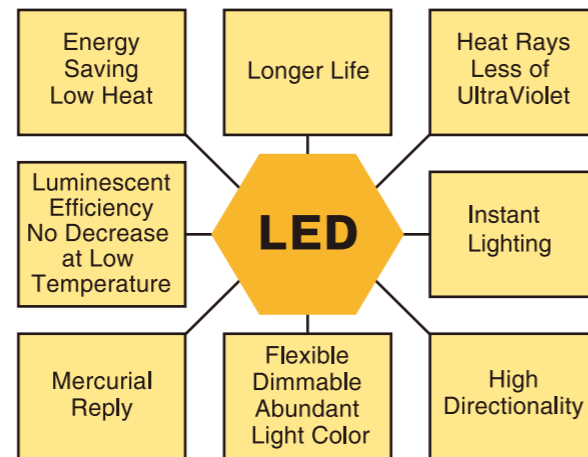
## Example Plant Configuration





# LED Business

LED means Light, Emitting, Diode. It is Abbreviated Three Initials each, and is kind of the Semiconductor which Emits Light when We wash down Electricity. It is called the Light Emitting Diode and have a few Superior Good Point in the Sources of Light such as the Conventional Fluorescent Lamp or Incandescence Ball.



We handle various kinds of Maker and Perform Section of Apparatus which is most suitable for the Facilities, Use a Applications introduction Purse. Of course Suggestion and Setting Construction are Possible.

# Power inverter

Inverter Control Unit System is Energy Conservation System that Control of Revolution Speed by Inverter. And to Reducing Wasteful power of Fans and Pumps by Load Characteristics. It is based on the Required Power that Proportional to Cube of the Ratio of the Number of Revolution.



# New Electricity

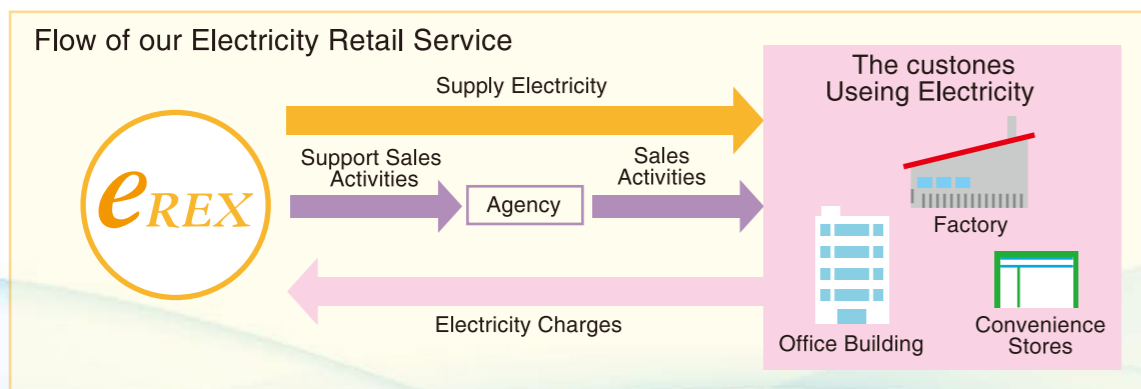
Revision of the Electricity Business Act has been decided in 2013.

It is put the Full Liberalization and Shipping Electrokinetic Separation of Power Retail in the field of view.

Customers can now choose Electricity Suppliers by the Power Liberalization.

We have been made a Placement of Low-Cost Supply of Power(Power Retail)than the General Electric Utilities.

As the Authorized Distributor of "eRex Co., Ltd. (Tokyo Stock Exchange Mothers market listing)" for the Extra-High Voltage Power Service and High Voltage Power Service of Customers that Government Agencies and Private Companies in the Business Area of Tohoku Electric Power Co., Ltd., Tokyo Electric Power Company, Chubu Electric Power Co., Inc., The Chugoku Electric Power Co., Kyushu Electric Power Co., Ltd..



# Corporate Profile

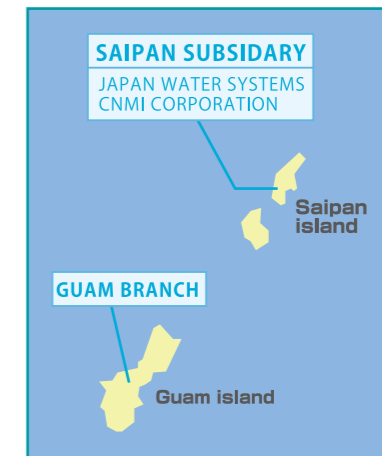
Company	<b>Associates Co.,Ltd.</b>
CEO	CEO Takashi Ijiri
Capital	10,000,000JPY
Address	[HEAD OFFICE] 7F KK Bld,1-8-5 Shinkawa, Chuo-ku, Tokyo, 104-0033, Japan TEL : +81-3-6280-5461 FAX : +81-3-6280-5462 E-MAIL : info@associates.jp URL: http://www.associates.jp/en/
Business Contents	Sale of the Plant to Water-Treat Sale of Rental and the Electric Equipment General ESCO Service
Qualifications	Tokyo Management Innovation company

### [Domestic Affiliates]

Company	<b>Startechnos Co.,Ltd.</b>
Address	7F 1-15 Takaramachi Naka-ku Hiroshima city Hiroshima TEL : +81-082-259-3667 FAX : +81-082-259-3668 URL: http://startechnos.com/en/

### [Overseas Affiliates]

SAIPAN SUBSIDIARY	<b>JAPAN WATER SYSTEMS CNMI CORPORATION</b> P.O.Box 502371 #5 Bldg., Chalan Kiya Industrial Center, Saipan, MP96950, USA TEL : +1-670-322-8602 FAX : +1-670-322-8601 URL: http://www.jws-cnmi.com/
GUAM BRANCH	#502 Pia Marine Hotel Condominium 193 Tumon Lane, Tamuning, Guam 96913, Mariana Islands TEL : +1-670-322-8602 FAX : +1-670-322-8601 E-MAIL : info@associates.jp



# Corporate History

- March,2006 Takashi Ijiri(CEO Associates Co., Ltd.) Assumed the office of Izumi-Techno Co., Ltd. in Tokyo Brunch Manager, Thereafter Established Associates Co., Ltd. and Started Business.
- October,2007 Started Proposal of Reduction to Comprehensive Electricity Energy Cost, in addition to Proposal of Water Treatment.
- February,2008 Started Proposal for Facilities that Overseas Subsidiaries of Japanese Enterprise in Saipan and Guam.
- February,2009 Approved of "The Business Innovative Company" Certified by Tokyo and JAPAN.
- August,2009 Started to Deal in Inverter Control Unit and LED Lights.
- November,2011 Transfer The Head Office to Shinkawa, Chuo-ku, Tokyo.
- November,2013 Established StarTechnos Co., Ltd.
- March,2018 Newly Opened "WEST JAPAN BRANCH" to Naka-Ku, Hiroshima-City.