

Ecologically Clean



**ORGANO THAILAND CO.,LTD.**  
WATER TREATMENT SYSTEM

## Business Concept

### **Ecologically Clean**

Water is a gift to Earth that is shared by all human beings and all other life on the planet. Valuing this “gift of water” above all else, Organo studies it, Make use of it in various aspects of life and industry, and creates new value with this priceless asset. Keeping “What’s best for the earth” in mind, Organo is expanding its operations with respect to water in fields ranging widely from our daily lives to our social infrastructure and advanced industries.

### **Corporate Philosophy**

Organo looks ahead to the future of the earth, and creates value through the use of water with “Heart and Technology”

## Water treatment System

Organo (Thailand) Co.,Ltd. has accumulated priceless experience in Thailand in the past more than 20 years. Today, our Planning & Design group consists of personnel specializing in Water Treatment, Ultrapure Water, Waste Water, Commissioning, Hardware and Equipment Design and Maintenance.

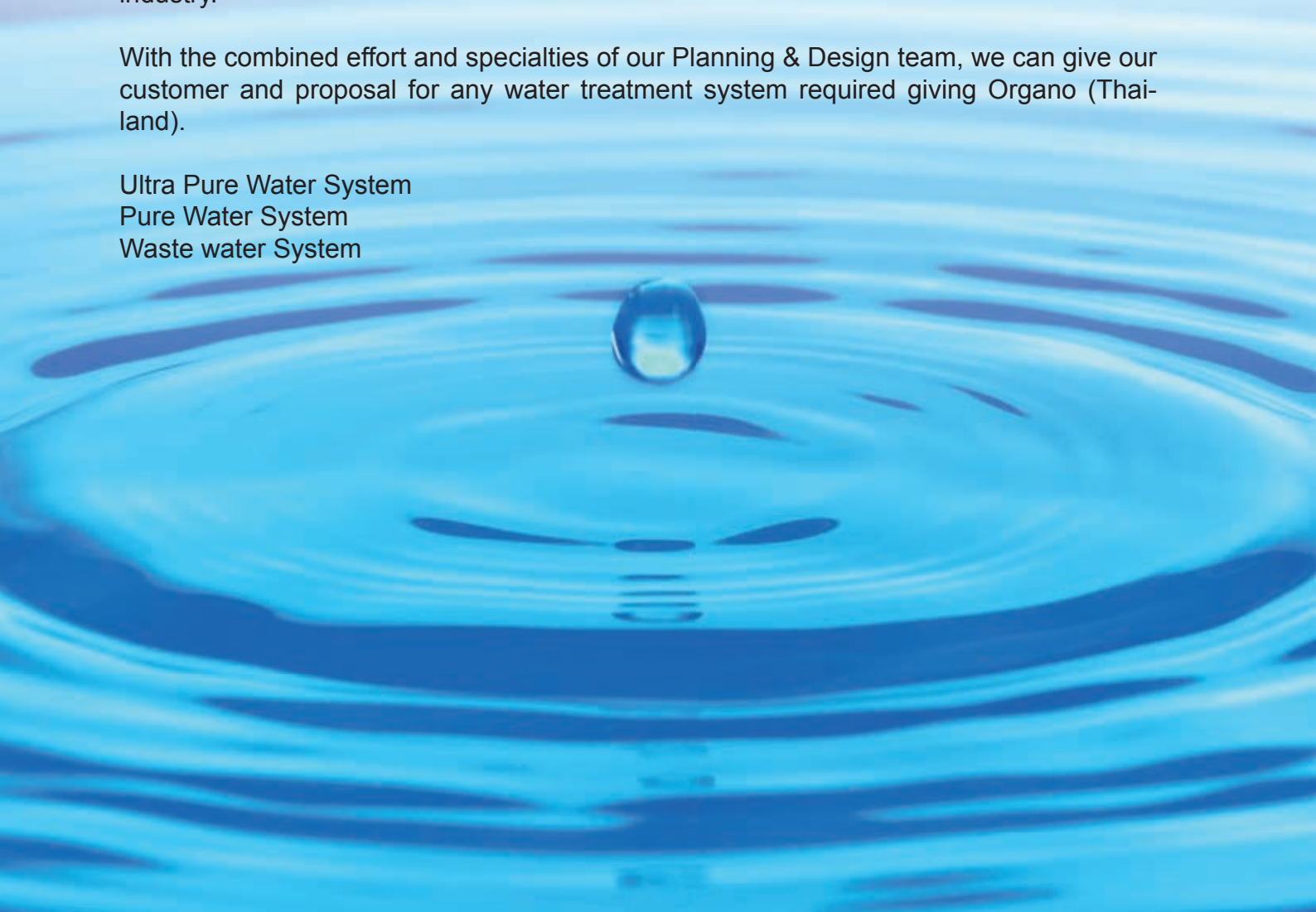
Our Planning & Design team work hand-in-hand with our customers in conceptualizing, planning and implementing specific system according to their requirements. We also supply highly functional equipment and engineering systems, which is at the forefront of the industry.

With the combined effort and specialties of our Planning & Design team, we can give our customer and proposal for any water treatment system required giving Organo (Thailand).

Ultra Pure Water System

Pure Water System

Waste water System



## Company Information

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Estsblishment : March 10, 1989

Capital : THB 10,100,000.- (Ten million and one hundred thousand baht)

Shareholders :

ORGANO (JAPAN)	49.5%
MHCB Consulting (Thailand) Co.,Ltd.	24.7%
BTMU Holding (Thailand) Co.,Ltd.	20.8%

Main Sales Item :

- Filter System
- Activated Carbon Filter System
- Softener System
- RO Water System
- DI Water System
- Ultra Pure Water System
- Various Waste Water Treatment System
- Ion Exchange Resin, Filter Media, RO & UF Membrane, Chemical, Parts & etc.

Number of Employee :

Japanese	5 persons
Thai	32 persons (On July 2010)

**ORGANO** will proposes to produce water best suited for various areas of applications with the leading-edge technologies it has available.



- Engineering, design, fabrication, erection, and trial operation of pure water and waste water treatment systems
- Maintenance, modification and repair of pure water and waste treatment systems
- Supply of water treatment equipment and instruments
- Supply of ion exchange resins, RO & UF membrane, filter media, cartridge filters and etc.
- Supply of spare part and chemicals
- Analysis of water and waste water

## Business Description

### **Plant Business**

#### **Water treatment systems for electronic industries**

Ultra pure water for cleaning semiconductors, liquid crystal panels and other electronic materials and parts is used not only by leading Japanese manufacturers but also by overseas companies. In step with the trend towards larger factories, Organo responds to needs for large flow volumes of 2000 cubic meters per hour and is working to promote environmentally friendly closed systems that emit no effluent.

#### **Water Treatment systems for general industries**

Organo provide systems for efficiently manufacturing and treating process water, by effectively combining different systems to meet the needs of the chemical, oil refinery, food, paper and pulp, textile, dyeing, automotive, plating and other industries.

#### **Water treatment systems for power stations**

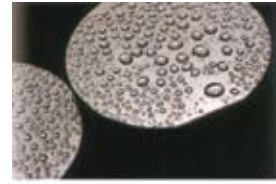
Water treatments for domestic thermal and nuclear power stations need to be highly reliable. Organo hold a 70% market share in this sector and a particularly high market share in the market for water treatment systems for nuclear power stations.

#### **Water treatment system for water work and sewage**

Waterworks and sewage treatment are essential services. Responsible for water treatment, waterworks and sewage treatment facilities take advantage of Organo's outstanding technologies, such as advanced treatment using activated carbon and ozone, membrane filtration, and biological treatment.

#### **Water treatment systems for medical care and pharmaceutical industries**

Organo effectively combines different technologies,, including distilled water production equipment for producing injection water and pure water steam generators for protecting drug manufacturing facilities from bacteria. It does this under a quality control system that is based on a consistent philosophy of providing safe water with high purity and zero pyrogen (a fever-producing substance) content



## Solution Business

### **Maintenance**

Based on expertise developed over many years, Organo provides maintenance services for water treatment systems, including repair, parts replacement, regular inspection and maintenance checks.

### **Proposal - Type service**

In addition to facility check for existing water treatment systems, Organo makes proposals for improvement and other environmentally friendly solution, including reduction in chemicals consumption and in waste emissions.

### **Water treatment outsourcing services**

#### **Overall Maintenance**

Organo undertake all maintenance work, including inspection of water treatment systems and replacement of consumable supplies in customer's factories.

#### **Operation Management**

Organo dispatches operators to perform operation management of water treatment systems on behalf of the equipment staff of customer's factories.

#### **Supply of treated water**

Organo installs water treatment systems in customer's factories to supply treated water in quantities appropriate to consumption.





# Water Treatment System Equipment Part and Supply Item

## Filters

### Systems

- ▶ Automatic & Manual Filters
- ▶ High Flow Rate Filter
- ▶ Pool Water Filters
- ▶ Sea Water Filters
- ▶ Bath-tub fiFilters
- ▶ Automatic & Manual -  
Activated Carbon Filters
- ▶ Turbidity Removal  
Membrane Filters

### Applications

- ▶ Food Industries
- ▶ Dyeing Industries
- ▶ Paper Industries
- ▶ Pool & Bath
- ▶ Fishing Culture
- ▶ Potable Water
- ▶ Any Other Industries

## Softeners

### Systems

- ▶ Full Automatic Softeners
- ▶ Manual Softeners

### Applications

- ▶ Boiler Water
- ▶ Cleaning Water
- ▶ Fabric Industries
- ▶ Humidification Water

## Waste Water Treatment System

### Systems

- ▶ Biological Treatment (acti-Contact System)
- ▶ Coagulating Sedimentation
- ▶ Flotation Systems
- ▶ Filter Systems
- ▶ Dehydrator Systems

### Applications

- ▶ Food Industries
- ▶ Chemical & Pharmaceutical  
Industries
- ▶ Fabric & Dyeing Industries
- ▶ Paper Industries
- ▶ Painting Industries

## Pure Water Systems

### Systems

- ▶ Full Automatic Deionizers  
(AMC Series)
- ▶ Manual Deionizers  
(HM-A Series)
- ▶ RO Systems  
(Reverse Osmosis Unit : Osmoclear)
- ▶ Cartridge Deionizers  
(G Series)
- ▶ High Purity 2 Beds Demineralizer  
(Megasark-MGS Series)
- ▶ High Functional Deionizer  
(Strata-G Series)
- ▶ Electrodeionizer  
(EDI Unit - D2EDI Series)
- ▶ Degas Membrane Unit

### Applications

- ▶ Electronics Parts Rinsing Water
- ▶ Plating Industries
- ▶ Humidification Water
- ▶ Boiler Water
- ▶ Food industries
- ▶ Chemical Analysis
- ▶ Chemical Production
- ▶ Hospital process Water





# Ultra Pure Water Systems

## Systems

- ▶ Ultra Pure Deionizer Systems
- ▶ Final Polishing Units

## Applications

- ▶ Electronics Parts Final Rinsing Water
- ▶ Experiment & Laboratory Water
- ▶ Any Process Water

## UPW System

Filter + RO + MB + UV + CP + UF (ME)

Filter : Sand Filter, Carbon Filter, Softener & etc.

RO : Reverse Osmosis

MB : Mixed Bed Deionizer

UV : Ultra Violet Sterilizer

CP : Cartridge Polisher

UF : Ultra Filtration Unit / MF : Micronics Filter

## Maintenance

### Systems

- ▶ Water Treatment System
- ▶ Waste Water Treatment Systems
- ▶ RO Systems

### Applications

- ▶ Patrol & Operation Data Collection
- ▶ Operation Data Checking and Recommendation
- ▶ Regeneration of Ion Exchange Resins
- ▶ Cleaning of RO Membranes
- ▶ Water Sampling and Analysis

## Water Treatment Equipment & Spare Parts

### Supply Items

- ▶ Ion Exchange Resins
- ▶ Ro Membranes
- ▶ UF Membranes
- ▶ Micronic Filter Elements (Absolution & Nominal)
- ▶ Various Conductivity / Resistivity Meters
- ▶ Cabinet Type Deionizers
- ▶ Desktop Type Ultra Pure Deionizers
- ▶ Residual Chlorine Indicator
- ▶ Hardness Indicator
- ▶ Flow Meter
- ▶ Various Types of Valves



## Corporate Information (As of March 31, 2007)

### Corporate Data

<b>Corporate Name</b>	Organo Corporation
<b>Establishment</b>	May 1, 1946
<b>Paid - in Capital</b>	¥ 8,225,499,312.-
<b>Number of Employees</b>	1,695 (On a consolidated base) 674 (On a non-consolidated base)
<b>Head Office</b>	2-8, Shinsuna 1-chome, Koto-ku, Tokyo 1368631, Japan Tel. : +81-3-5635-5100 Fax. : +81-3-3699-7210
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<b>Branches</b>	Hokkaido, Tohoku, Chubu, Kansai, Chugoku, Kyushu, Taiwan



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