



# JETRO

## Water Treatment Business Catalogue of Japanese Companies in Indonesia

2024 May

Japan External Trade Organization (JETRO)  
Jakarta



# Preface

JETRO has published “Water Treatment business catalogue of Japanese Companies in Indonesia” at the occasion of The World Water Forum 2024.

It is said that 3/10 of the World Population cannot enjoy safe and well managed water supply services, and 6/10 of it cannot use the well managed sanitized facilities either.

Japanese companies have technologies for water supply and wastewater treatment to improve water quality and sanitary situation.

JETRO would like to introduce these technologies to Indonesia and the rest of the world and share how much they can contribute to achieve one of the SDG’s goals.

JETRO has compiled this catalogue with the cooperation of the Embassy of Japan in Indonesia, Japan Jakarta Club (JJC) and Japanese companies which have water treatment technology.

It is great pleasure for us, if this catalogue would be used effectively by the public and private sector in the world to improve the living environment.

Japan External Trade Organization (JETRO) Jakarta  
President Director Masakazu Takahashi



# 1. Water Treatment

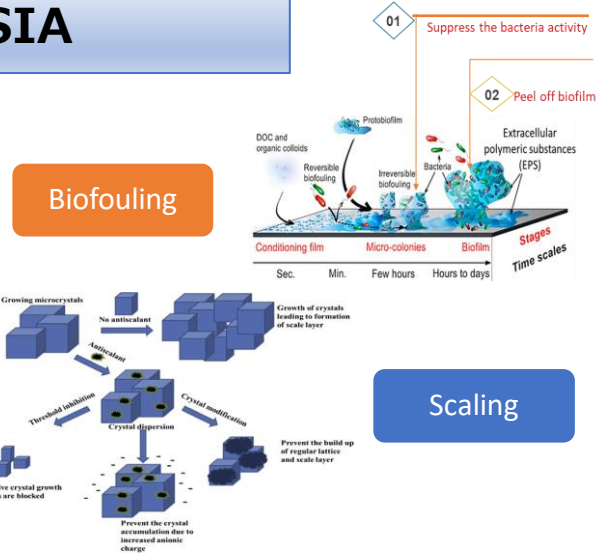
- Technology Multi-functional Chemical for Reverse Osmosis System (PT. Kurita Indonesia) 4
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# Multi-functional Chemical for Reverse Osmosis System



**PT. KURITA INDONESIA**

**KURIVERTER IK-250** is KURITA's revolutionary multi-functional chemical for application in Reverse Osmosis system. It combines KURITA's proprietary biocide with an anti-scalant agent for total treatment, with only single chemical, to the Reverse Osmosis system. Reduces the amount of chemical used and has a peeling off effect.

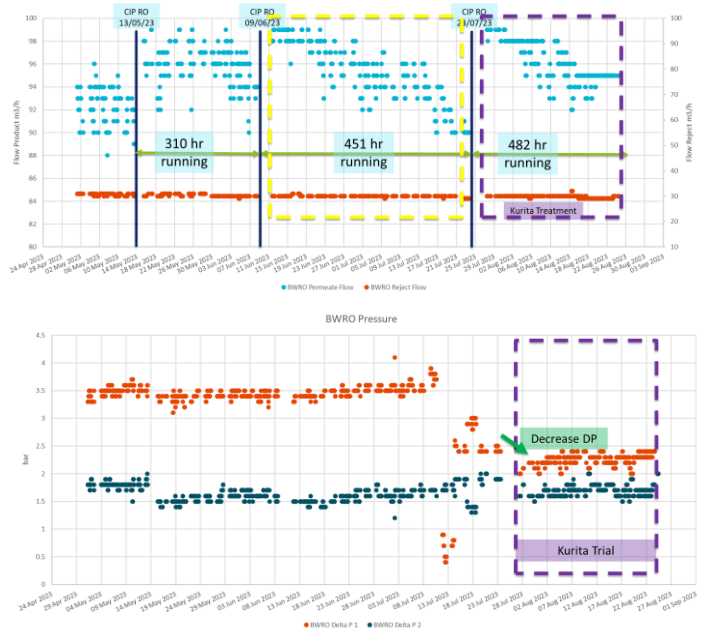
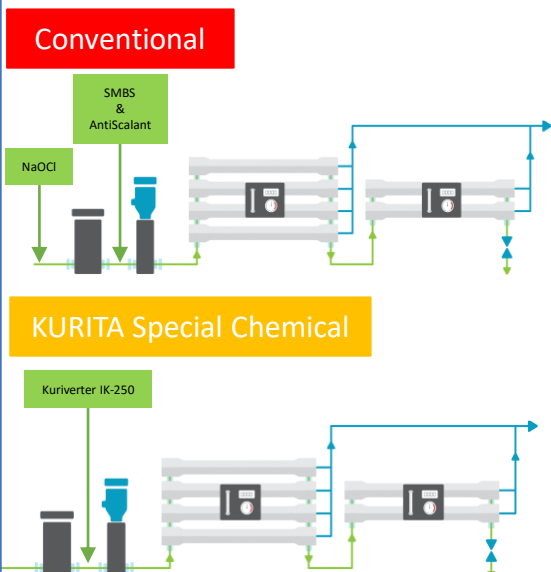


Less membrane replacement

Total operation cost reduction

Permeate quality improvement

## Succes Story



**PT.Kurita Indonesia**  
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 Kawasan Industri Jababeka Cikarang - Bekasi 17530  
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# For Clean Water and Blue Sky

Water Purification, Waste Water Treatment and Gas Treatment.

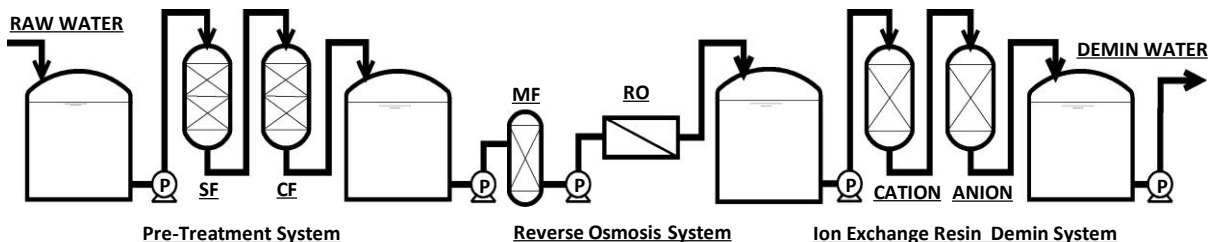
**PT. NCE INDONESIA**

## OUR PRODUCT : DEMIN WATER SYSTEM

### 1. Preview :

There are several water sources, but in generally there are 2 kind of water sources, surface water sources and ground water sources. Where before use it must be processed first according to its needs and use. Some of the clean water treatment processes that we can carry out include the Filtration Process, Reverse Osmosis System and Water Demineralized System by using ion exchange resin.

### 2. Block flow (Example) :



### 3. Achievement and Experience :

1. Auto Mobile Manufacture.
2. Pharmaceutical Industries
3. Food and Beverage Industries
4. Electronic Industries
5. Textile Industries
6. Petrochemical Industries



### 4. Our Services :

1. Engineering, Purchasing and Construction.
2. Construction Work, Fabrication/Manufacture and Installation for the above equipment.
3. Consultant and Contract Service Maintenance and Spare part Supply.



Our Contact and for more Information :

### PT. NCE INDONESIA

Menara Cakrawala Bldg at 6<sup>th</sup> Floor, Jl. MH Thamrin No. 9, Jakarta 10340, Indonesia

Tel : 021-3901409 / Fax : 021 3901427

Email : [tсуji.nce@cbn.net.id](mailto:tсуji.nce@cbn.net.id) (Tсуji(Mr.)) / [bambang.nce@cbn.net.id](mailto:bambang.nce@cbn.net.id) (Bambang(Mr.))

# Water purification system

The turbid water is purified and supplied to the house as clean domestic water.

PT. Panasonic Gobel Indonesia



## Overwhelming purification performance

You can use clean water throughout your house.

**Turbidity removal**

turbidity:  $\geq 95\%$   
Iron:  $\geq 95\%$

**Sterilization**

E. coli: 99.9%

**Deodorant**

Metallic smell  
Rotten egg smell

## Comfortable life with clean water



## Contact point:

PT. Panasonic Gobel Indonesia  
JL.Dewi Sartika No.14 (Cawang II),  
Jakarta 13630 Indonesia  
PIC: Fujita  
hirofumi.fujita@id.panasonic.com





# High-performance pure water production system STRATA-GX

PT Lautan Organo Water



PT LAUTAN ORGANO WATER

## Products & Services Outline

- PT Lautan Organo Water is a joint venture company between Organo Corporation (Japan) – 51% shares & PT Lautan Luas, Tbk. (Indonesia) – 49% shares.
- We are a water solution provider by offering tailor-made design to meet our customer's requirement. We utilize Organo Japan's Design & Technology. Our scope covers **Water Treatment Plant** from clean water to pure water products, then the **Wastewater Treatment Plant** treats waste water to comply with the quality standards of wastewater before being discharged into the environment, as well as the **Water Recycling System** which treats wastewater into ready-to-use water.

## Project Reference - Strata-GX

Strata-GX as an advanced Demin system designed by Organo Japan. Strata-GX consists of a cation exchanger tower, degasifier, and anion exchanger tower. Where each exchanger tower has both strong and weak resin to maximize the exchange ions in the water.

### ➤ Save chemical – ECO , Short-time regeneration [approx.60min]

Resin flow is eliminated during chemicals injections by unique tower structure. It can achieve the reduction of regenerative drain water without backwash/settling.

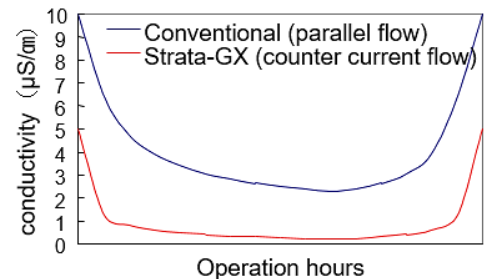
By performing the "chemical regeneration process and the "backwash" process in an upward flow, we have increased the resin regeneration efficiency and achieved a reduction in total regeneration time of approximately 30 minutes compared to conventional products.

### ➤ Install reference

Strata-GX for Steel Galvanizing industry in Bekasi, established since 2015 and performing very well until present. It constantly achieves  $< 2 \mu\text{S}/\text{cm}$  of product water by exchanging ions from industrial water with conductivity  $350 \mu\text{S}/\text{cm}$ .

## Strata-GX's Features:

Performance	Value
Small volume of resin & regenerant	OPEX saving, Less wastewater qty
Low conductivity	More stable demin product quality



Strata-GX Photo Reference:



## Regeneration Time Comparison



## CONTACT US

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- [www.lautanorganowater.com](http://www.lautanorganowater.com)

# Water softener

Most of the water in Indonesia is hard water.  
Soft water with reduced calcium and magnesium is supplied to the house.

## PT. Panasonic Gobel Indonesia

**Problems caused by hard water  
(high Iron, high Magnesium)**



### Water Softener



FP-RS10U1C  
(will be Released  
in Aug. 2024)

**Calcium (Ca),  
magnesium (Mg)  
should  
be removed**

**Installation: Turbid water can also be softened by a combination  
of our water purification system and water softener.**



### Contact point:

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Instagram



IDWATERPURIFICATIONSYSTEM

Tiktok



@idpanasoniciaqs  
olution

WhatsApp



**PT Toray International Indonesia**

**Products • Services Outline**

Innovating Membrane Technologies that Drive Sustainability

www.water.toray



Flat-sheet PVDF MBR



TIPS PVDF UF



High performance RO/NF



ROPUR RPI™ Antiscalant

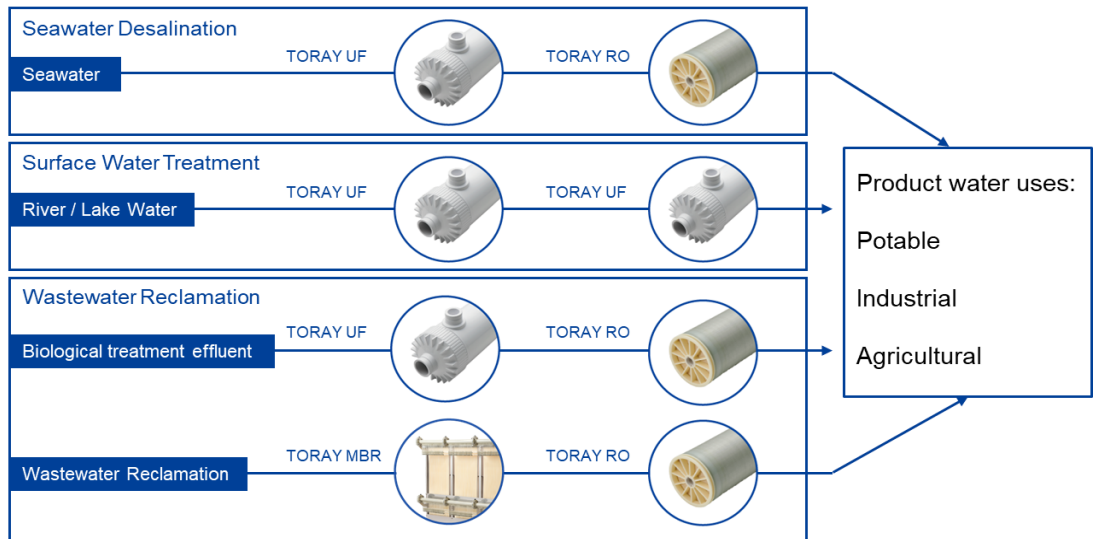


CSM™ Residential RO

**RO, NF, UF, MBR, ANTISCALANTS**

**TORAY**  
Innovation by Chemistry

Toray can provide optimal membrane products for all type of raw water.



**Contact point:**

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- Website : <https://www.water.toray/>

## 2.Wastewater Treatment

- Energy Recovery from Factory Wastewater through Energy-Saving WWT System (AIKEN KAKOKI K.K.) 11
- Protect the environment and Change the future (PT DAIKI AXIS INDONESIA) 12
- Kurita Zeta Ace<sup>®</sup>, S.Sensing CS Technology (PT. KURITA INDONESIA) 13
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- HIGH EFFICIENCY MOVING BED BIO REACTOR ACTICONTACT (PT Lautan Organo Water) 15

# Energy Recovery from Factory Wastewater through Energy-Saving WWT System

-Water Pollution and the Utilization of Energy from Unused Prevention of Biomass Resources -

## AIKEN KAKOKI K.K.

### Product and Service Outline

#### • Demand in Palm Oil Industry

The palm oil industry and the dyeing industry, which are Indonesia's major industries, mainly treat their factory wastewater in open treatment ponds. In addition to water pollution, the release of biogas into the atmosphere is an issue.

#### • Proposed Product and Technology

Targeting the food and chemical industries such as palm oil factories and dyeing factories, the organic wastewater from these factories will be treated with high efficiency. Meanwhile, biogas and biofuel generated from the treatment process are recovered and used to prevent water pollution, reduce GHG emissions and contribute to the return on investment.

#### • Expected Result

A stable treatment for industrial wastewater and prevention on the release of biogas into the atmosphere. The use of recovered energy (biogas and biofuel) as fuel for generators and boilers will promote the decarbonization of factories and create economic benefits.

### Achievements

- Approximately 20 years of development and commercialization, and more than 20 units installed.
- Other than palm oil industry, the technology is installed in the general food industry (beverages, agriculture product processing, seafood processing, dairy products, confectionery, seasonings, fermented products, etc.) and general chemical industry (dyed textiles, daily necessities, bioethanol, etc.).

### Examples

- Agricultural Product Processing Plant  
Prior to the installation, the operation costs on water treatment were 150 million yen/year. After the installation, it generated profit 35 million yen. There is an economic effect around 200 million yen annually, resulting the investment value recovered within ±3 years. In addition, more than 2,000 t-CO<sub>2</sub> GHG reduction has been achieved per year.
- Textile Factory  
Prior to the installation, the operation costs were about 100 million yen/year, after the installation, the factory earn additional profit at 10 million yen, and resulting in an economic effect of more than 100 million yen/year.
- Palm Oil Industry  
From April 2023, as a JICA project, we are planning to install the equipment at the state-owned palm oil factory (PTPN5) in Riau.

### 【Example Cases (Japan)】

Vol.	COD	Electricity Generation	Industry
m <sup>3</sup> /d	Influent	kWh/d	
1,000	6,000	5,760	Agriculture Product
1,000	8,000	8,120	Textile
650	4,300	2,817	Food

Granular sludge



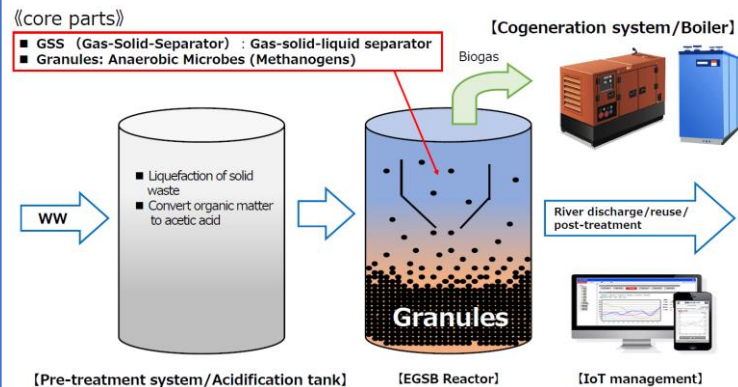
Biofuel



EGSB WWTP (2.6Φx15H)



Energy recovery from WW (Net zero energy type WWTS)



### Contact Point

#### Aiken Indonesia Representative

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- Yoshihiro Iwata (Japanese · English) : [y.iwata@aiken-h2o.com](mailto:y.iwata@aiken-h2o.com)

# Protect the environment and Change the future Packaged Wastewater Treatment Plant

## PT DAIKI AXIS INDONESIA (Water treatment manufacturer )

### SALES POINTS OF JOHKASOU STP

#### ○ SAVE ENERGY COST

Compared with conventional sewage treatment plant, Johkasou requires only 50% less energy.

#### ○ NO NEED RESIDENT OPERATOR

Unlike conventional wastewater treatment systems, Johkasou do not require an operator to constantly monitor them. Labor costs associated with Johkasou management can also be reduced.

#### ○ GOVERNMENT CERTIFICATION PRODUCT

Our product's ability and structure have been certified by the Japanese Government. Overseas factory has facilities fitted with the same equipment as those in Japan, therefore we can provide Japanese quality products.

#### ○ ADVANCED TREATMENT PERFORMANCE

Johkasou has the circulation system and makes it possible to repeat nitrification and denitrification process. This provides the advanced treatment for the wastewater. The key point of the process is to repeat "Nitrification" and "De-nitrification" continuously in succession.

#### ○ EASY TO INSTALL

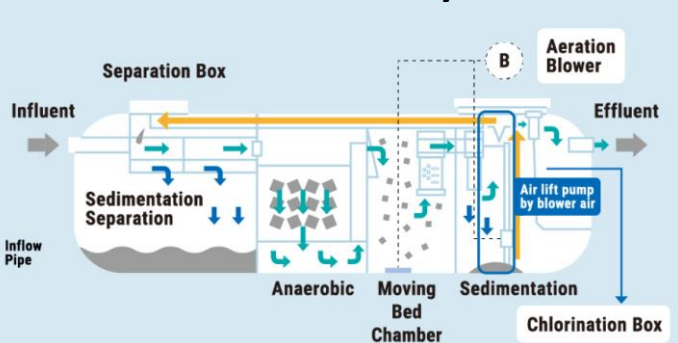
Just connect inlet/outlet pipes and electric cables!

#### ○ EASY MAINTENANCE

The structure of the Johkasou is simple, and its equipment is user-friendly. Therefore, it is easy for operation & maintenance.



### Flow for the treatment system



Construction Camp (IRAQ) 3600KL/Day

### Johkasou-STP: Packaged Wastewater Treatment Plant

#### 1. Separation Box

Separate solids in wastewater by gravity and prevent the agitation of the excess sludge in Sedimentation & Separation Chamber by influent.

#### 2. Separation & Sedimentation Chamber

Separate solid debris or impurities from water in influent and circulated water and store these sediments in the chamber.

#### 3. Anaerobic Chamber

It is filled with filter materials, which separate solids and keep anaerobic microorganisms to decompose organic matter.

#### 4. Moving Bed Chamber

It is filled with mesh cylindrical media, which retain aerobic microorganisms to decompose and remove organic matter from wastewater.

#### 5. Sedimentation Chamber

In order to obtain clear treated water, separate the excess sludge by gravity. The settled sludge is constantly returned to the sedimentation & separation chamber by the airlift pump.

#### 6. Disinfection Chamber

Disinfect the treated water to discharge to the river or other water bodies.

### Contact

TEL:+62(0)21-8379-1186 Mail:[infoindn@daiki-axis.com](mailto:infoindn@daiki-axis.com)

WA:+62(0)852-1990-0771 Mail:[marketing.admin@daiki-axis.com](mailto:marketing.admin@daiki-axis.com)

HP:<https://daiki-axis.co.id/>



# Kurita Zeta Ace®

“An alternative inorganic Coagulant”

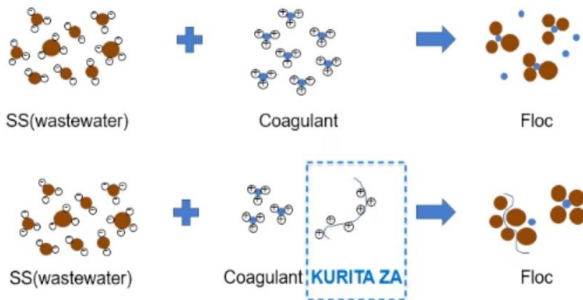
# S.Sensing CS Technology

“Advance coagulant dosage control technology”

## PT.Kurita Indonesia

### Kurita ZETA ACE®

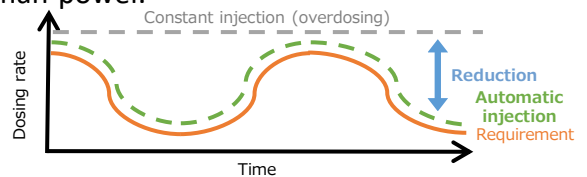
Common inorganic coagulant require neutralizer and generate large amount of sludge, Applying ZA alternative coagulant achieve reducing total cost of water or wastewater system with better performance than common inorganic coagulant.



### S.Sensing CS Technology

The purpose is to **optimize the coagulant consumption** and to **stabilize the water quality** by the automatic control by S. Sensing CS.

S. Sensing CS is a chemical injection monitoring system which controls the coagulant consumption automatically so that treated water turbidity achieves the targeted value with optimal coagulant dosage and less man-power.



Optimize Coagulant Consumption

Less pH Adjuster as neutralizer

Less Inorganic Sludge Generation

Stabilize effluent wastewater quality

Better safety for operation

Increase productivity



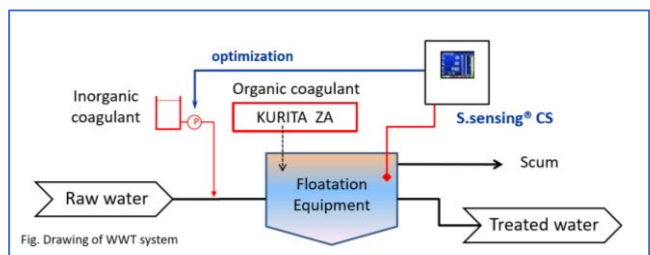
### PT.Kurita Indonesia

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# For Clean Water and Blue Sky

## Water Purification, Waste Water Treatment and Gas Treatment.

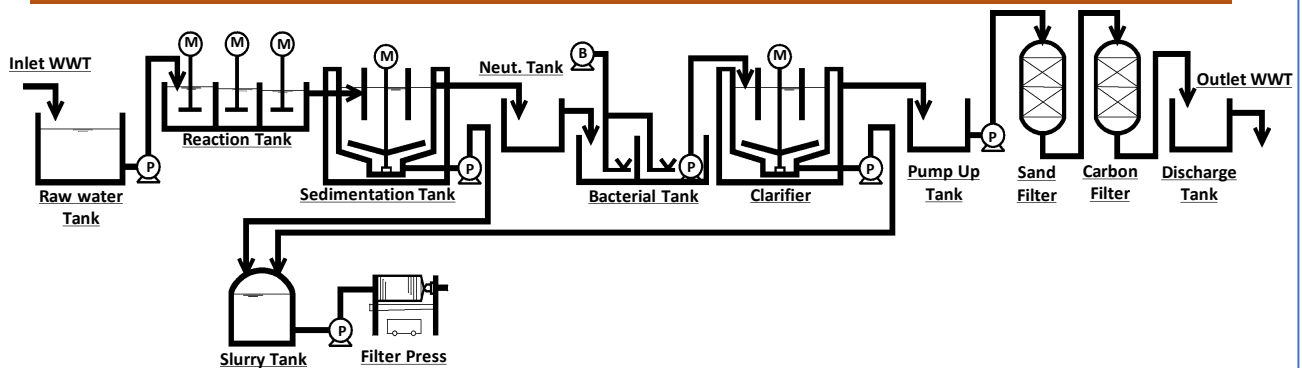
**PT. NCE INDONESIA**

### OUR PRODUCT : WASTE WATER TREATMENT

#### 1. Preview :

Wastewater can be generally divided into the two categories of ionic and organic, and equipment differ greatly depending on the wastewater being treated. Therefore before we design and formulating the wastewater treatment system we must analyze the raw wastewater to be treated to achieve the wastewater treatment discharge as government regulation.

#### 2. Block flow (Example) :



#### 3. Achievement and Experience :

1. Auto Mobile Manufacture.
2. Pharmaceutical Industries
3. Food and Beverage Industries
4. Electronic Industries
5. Textile Industries
6. Petrochemical Industries



#### 4. Our Services :

1. Engineering, Purchasing and Construction.
2. Construction Work, Fabrication/Manufacture and Installation for the above equipment.
3. Consultant and Contract Service Maintenance and Spare part Supply.



Our Contact and for more Information :

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# HIGH EFFICIENCY MOVING BED BIO REACTOR ACTICONTACT

## PT Lautan Organo Water



### Project Reference - ACTICONTACT

Organo Corporation has developed ACTICONTACT, a high efficiency biological wastewater treatment system utilizing the formation of biological film. ACTICONTACT is an attached growth wastewater treatment plant, utilizing sponge media, named ACTILITE.

LOW has diligently installed numerous ACTICONTACT systems throughout Indonesia, all of which have demonstrated exceptional performance to date.

### Features of ACTICONTACT

#### - Smaller Footprint

ACTICONTACT is a high efficiency aerobic treatment with only 20% installation space – comparing with Conventional Activated Sludge

#### - Easy Maintenance

Surface monitoring of sedimentation space is not necessary as the acticontact can tackle such load fluctuations

#### - Reduce Sludge Generation

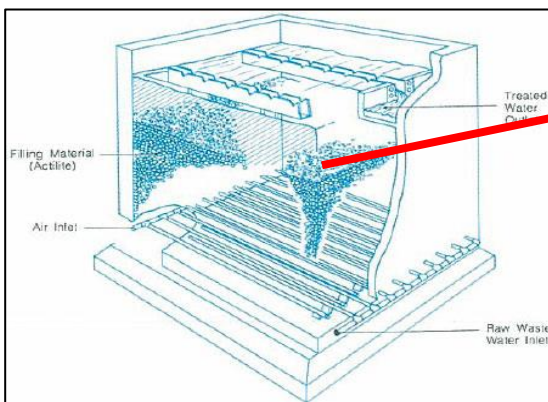
The system can retain a number of micro bacteria & generate self – digestion smoothly



Image 1. WWTP Project Experience – Gresik Area



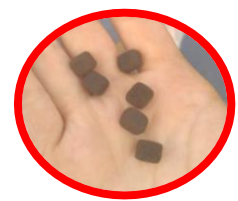
Image 2. WWTP Project Experience – Cilegon Area



Drawing for Moving Bed Bio Reactor (ACTICONTACT)



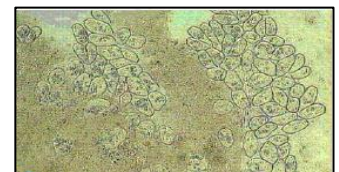
Empty ACTILITE Media



Media full of Bacteria



Media full of Bacteria



Living Bacteria in the ACTILITE

### CONTACT US

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 E-mail : [agustina.evania@lautanorganowater.com](mailto:agustina.evania@lautanorganowater.com)  
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[www.lautanorganowater.com](http://www.lautanorganowater.com)

### 3.Pomp and others

- “Technology. Passion. Support our Globe” (PT EBARA Indonesia) 17
- Transformative Heat Transfer Solutions: Kurita 2D Technology (PT. KURITA INDONESIA) 18
- Water Pump Business for Consumers (PT Panasonic Manufacturing Indonesia) 19
- For Clean Water and Blue Sky
- Water Purification, Waste Water Treatment and Gas Treatment. (PT. NCE INDONESIA) 20

# "Technology. Passion. Support Our Globe"

EBARA will support social and industrial infrastructures around the world and abundant lifestyles for all.



## EBARA | EBARA Pump (PT EBARA Indonesia)

### Standard Pump:

Through our products and services, EBARA delivers stunning solutions to every application and occasion. We have a wide variety of pumps and systems for general to professional applications.

Our range of **surface pumps** are suitable for a wide range of applications, including Clear Water, Industrial Water, Wastewater, Drainage, Irrigation, Fire fighting, and also Flood control.

Our **submersible pumps** are suitable and very good for Waste water and Sewage application.

And We are also provides various **booster pump** units which is an important device that supports a stable water supply in the building equipment.

The features of these products are energy and space savings, ease of maintenance and high reliability.

### Custom Pumps:

We customize high-quality, reliable products to meet customers' needs and supply them globally. EBARA selects and delivers the best pumps to meet a wide range of customer specifications and international standards. We pursue "monozukuri" (manufacturing) in compliance with strict quality standards, to contribute to the stable operation of customers' facilities for prolonged periods. We also develop products that help reduce the environmental impact. PT Ebara Indonesia is also affiliated with all over the world of Ebara to vary our product line up. Our product is not limited to the standard pump business segment but also has customize pump. have various types of large capacity of axial-flow, mixed-flow pump; large capacity of submersible motor pumps which is suitable for flood control, drainage water, intake water supply, etc. Another pump such as vacuum pumps; screw pumps; vane pumps; various ultrahigh-pressure for boiler recirculation pumps are available too.

## Project Reference

Indonesia



Malaysia



Uni Arab Emirates



## Contact point

Product:

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**EBARA Indonesia**

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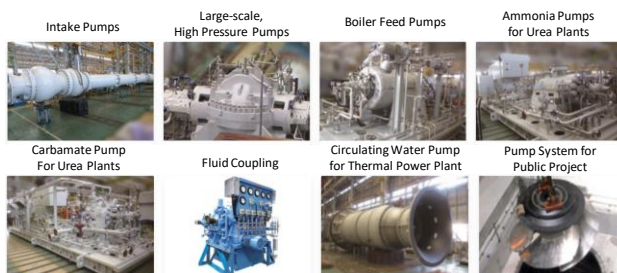
Fax : (+62-21) 874 0033

Homepage : [www.ebaraindonesia.com](http://www.ebaraindonesia.com)

### Surface & Submersible Pump Products:



### Custom Pump Products:



Certifications:



# Transformative Heat Transfer Solutions: Kurita 2D Technology

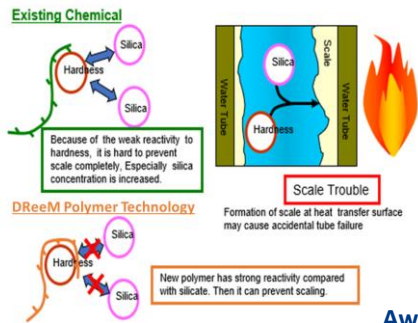
~Saving Energy, Water & Reducing CO<sub>2</sub> Emission ~



**PT. KURITA INDONESIA**

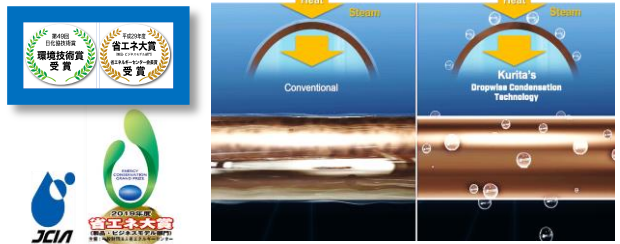
## DReeM Polymer Technology®

Energy losses related to deposit composition. DReeM Polymer has been developed to prevent boiler from scale deposit and remove existing scale. It has special function as on-stream scale removal effect. As the result, **boiler efficiency typically improves, reducing blowdown water, energy consumption decreases, and leading to cost savings and also contribute to reduced emissions.**



## Dropwise Condensation Technology

Patent Technology from Kurita Water Industry. Dropwise condensation technology™ is a method used to enhance the efficiency of condensation processes by promoting the water repellent formation on heat exchanger surface area. The purpose is to **increase the heat transfer efficiency** which leading to steam consumption decreases, less CO<sub>2</sub> Emission produces and increasing productivity of heat exchanger related process.



**Awarded Energy Conservation Grand Prize**

## DReeM Polymer Technology

### Success Story

Recovery of condensate including hardness < Styrofoam Factory >

Cylindrical boiler,  
Boiler pressure:0.7MPa, Blow down rate:8.0%  
Amount of evaporation:4.0t/h



Scale thickness: 0.5 ⇒ 0~0.1mm  
Hardness of FW: 1 ⇒ 20mgCaCO<sub>3</sub>/L  
Temperature of FW: 30 ⇒ 75°C

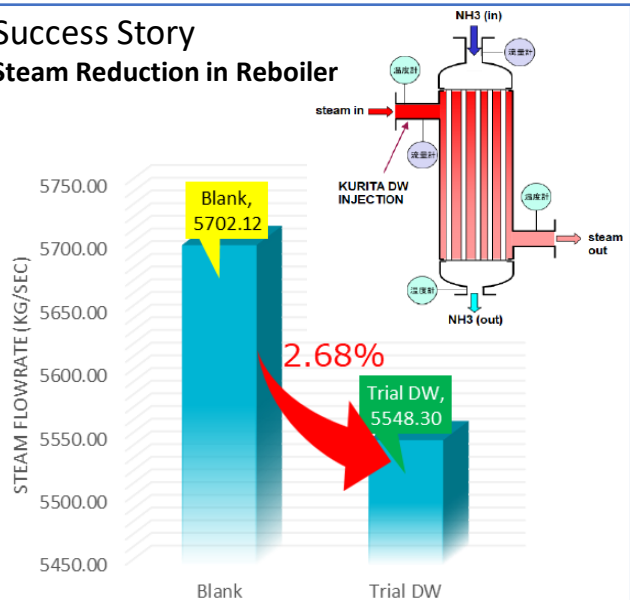
By recovering condensate including hardness,

**Fuel reduction by 13%**  
**Water supply saving by 10%**

## Kurita Dropwise Technology

### Success Story

Steam Reduction in Reboiler



### PT.Kurita Indonesia

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Jawa Barat – Indonesia

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# Water Pump Business for Consumers

Delivering water for people's health

## PT Panasonic Manufacturing Indonesia

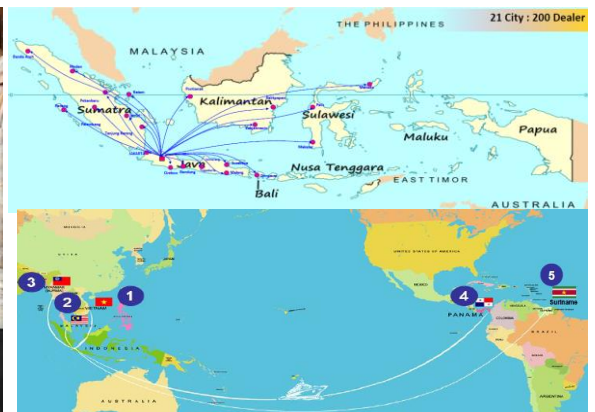
### Product and Service Outline

- Ratio of pipelined water supply is still low, approx. 26% in Indonesia, so major water sources are underground water or well water.
- Panasonic started water pump manufacturing in Indonesia from 1988.
- We are providing 57 models of highly reliable and durable water pump for various usage of household.



### Actual Result and Examples

- Our key technologies are energy-saving and material-saving with lightweight motor, and use of recycled material up to 35wt% etc.
- We have marked 30 million pumps shipment in 2019, and keep expanding business for both domestic and export.



### Contact Point

<https://www.panasonic.com/id/>

Mr. Afda Alief (JP/ID/EN) [afda.alief@id.panasonic.com](mailto:afda.alief@id.panasonic.com)



# For Clean Water and Blue Sky

Water Purification, Waste Water Treatment and Gas Treatment.

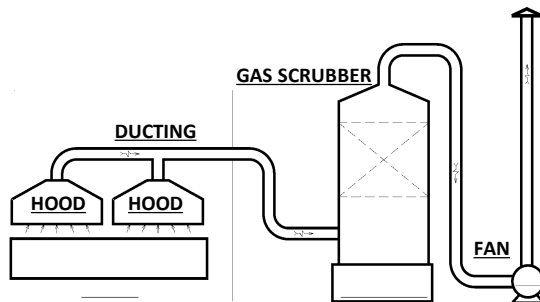
## PT. NCE INDONESIA

### OUR PRODUCT : GAS SCRUBBER

#### 1. Preview :

Gas Scrubbers are one of several types of air pollution control devices or exhaust gases resulting from factory or industrial production processes. In general, Gas Scrubbers are used to control particles in the form of solids and/or gases which are soluble in water.

#### 2. Block Flow (Example) :



#### 3. Achievement and Experience :

1. Auto Mobile Manufacture.
2. Pharmaceutical Industries
3. Food and Beverage Industries
4. Electronic Industries
5. Textile Industries
6. Petrochemical Industries

#### 4. Our Services :

1. Engineering, Purchasing and Construction.
2. Construction Work, Fabrication/Manufacture and Installation for the above equipment.
3. Consultant and Contract Service Maintenance and Spare part Supply.



Our Contact and for more Information :

### PT. NCE INDONESIA

Menara Cakrawala Bldg at 6<sup>th</sup> Floor, Jl. MH Thamrin No. 9, Jakarta 10340, Indonesia

Tel : 021-3901409 / Fax : 021 3901427

Email : [tsuji.nce@cbn.net.id](mailto:tsuji.nce@cbn.net.id) (Tsuji(Mr.)) / [bambang.nce@cbn.net.id](mailto:bambang.nce@cbn.net.id) (Bambang(Mr.))

## 4.Services

- “Your Satisfaction, Our Commitment.” (PT EBARA Indonesia) 22
- Pipe Cleaning Services for Houses (PT. Panasonic Gobel Indonesia) 23
- Geothermal Power Industry (PT. KURITA INDONESIA) 24

# "Your Satisfaction, Our Commitment."

EBARA's commitment is not only for selling the good quality product but We are also want to maintain your trust by providing our great aftersales to keep up our pump performance in good or even excellent quality.



**EBARA**

**| After Sales Service (PT EBARA Indonesia)**

## After Sales Service:

The high quality and reliability of after sales service are only achieved by skilled/experienced sales/field service engineers. EBARA Group employs these engineers and provide them sufficient technical training. These engineers realize EBARA's service policy of "kind and speedy" to satisfy our customers.

## Service & Maintenance

EBARA provides a Service & Maintenance to ensure the smooth operation of our customers' pumps. When a customer takes on an EBARA product, we perform an installation service to fit the pump in its best condition. and a Commissioning Service. Please contact your nearest EBARA Group company for details.

## Training & Commissioning

To optimize the pump's performance and efficiency. After completion of delivery, we also check that the product is working properly and provide on-demand inspection services to ensure that the product operates well for the long term

## On-site Pump Assessment

In the world of industrial operations, precision and efficiency are the keys to success. That's where our On-Site Pump Assessment & Pump Training comes in, offering you a tailored solution to boost your facility's productivity and reduce costly downtime.

With our expert team visiting your facility, you get a hands-on evaluation of your pump systems. We identify inefficiencies, detect potential issues before they cause failures, and provide actionable recommendations to optimize performance. This isn't just a theoretical approach; it's a practical solution that delivers real results.

## Project Reference

Service & Maintenance



Training & Commissioning



On-site Pump Assessment



## Contact point

### Product:

Mahpud Munawar (Mr.) || [munawar.mahpud@ebaracom](mailto:munawar.mahpud@ebaracom)

### After Sales Service:

Puandra Adithya Gathmyr (Mr.) || [adithya.puandra@ebaracom](mailto:adithya.puandra@ebaracom)

### **EBARA Indonesia**

Jl. Raya Jakarta-Bogor Km.32 Curug, Cimanggis.

Kota Depok, Jawa Barat 16453.

Phone : (+62-21) 874 0852-53 / (62-31) 9985 3535

Fax : (+62-21) 874 0033

Homepage : [www.ebaraindonesia.com](http://www.ebaraindonesia.com)

Certifications:





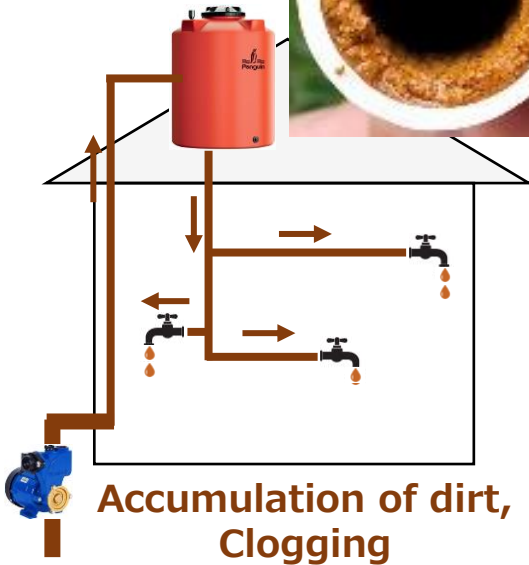
# Pipe Cleaning Services for Houses

Dirt that has accumulated inside the pipes is cleaned and clean water can be supplied.

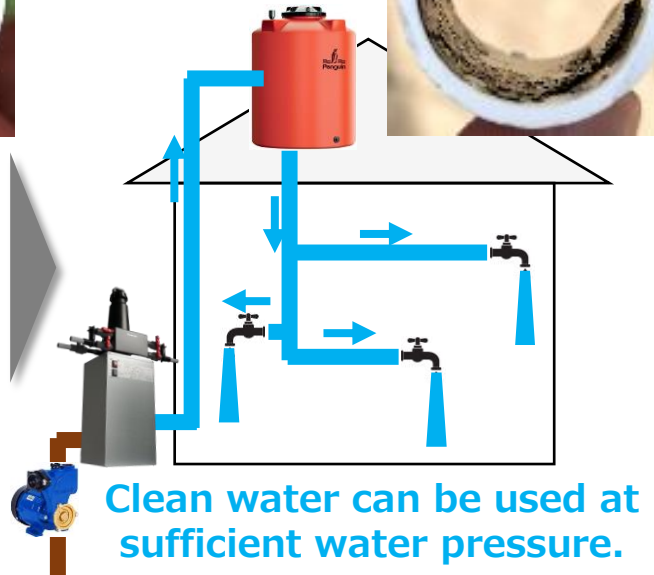
## PT. Panasonic Gobel Indonesia

The water cleaned by the water purification system is delivered to the faucets in a clean state.

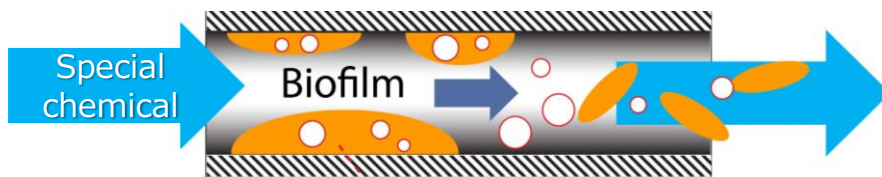
Before cleaning



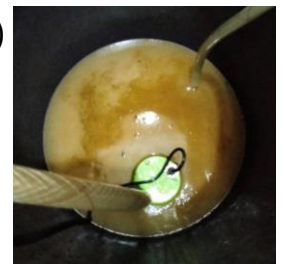
After cleaning



Schematic diagram of cleaning (cross-section of pipe)



Bubbles from the chemical peel off dirt.



Actual dirt from pipe

### Contact point:

PT. Panasonic Gobel Indonesia  
JL.Dewi Sartika No.14 (Cawang II),  
Jakarta 13630 Indonesia  
PIC: Fujita  
hirofumi.fujita@id.panasonic.com

Instagram



IDWATERPURIFICATIONSYSTEM

Tiktok



@idpanasoniciaqsolution

WhatsApp



# Geothermal Power Industry

Innovative solutions supporting the energy of future



## Products • Services Outline

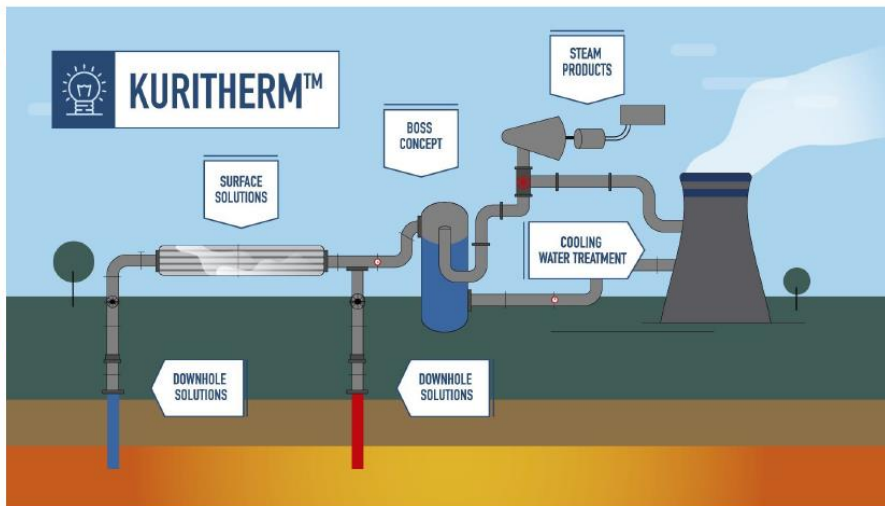
- Protect the production well with corrosion inhibitors and antiscalants
- Full product range for power generation systems
- Protection of cooling tower and heat exchanger
- Environmental-friendly products for the injection well surveillance
- Online monitoring system for production wells and surface treatments

**Surface**

- Kuritherm® 4440
- Kuritherm® 4441
- Kuritherm® 4447
- Kuritherm® 4442
- Kuritherm® 4452
- Kuritherm® 8861
- Kuritherm® 4462
- Kuritherm® 4410
- Kuritherm® 4418

**Downhole**

- Kuritherm® 4425
- Kuritherm® 4403
- Kuritherm® 4430
- Kuritherm® 4442
- Kuritherm® 8842
- Kuritherm® 4461
- Kuritherm® 4400



**Surface**

- Kuritherm® 4440
- Kuritherm® 4441
- Kuritherm® 4447
- Kuritherm® 4442
- Kuritherm® 4452
- Kuritherm® 8861
- Kuritherm® 4463
- Kuritherm® 4400
- Kuritherm® 4410
- Kuritherm® 4418

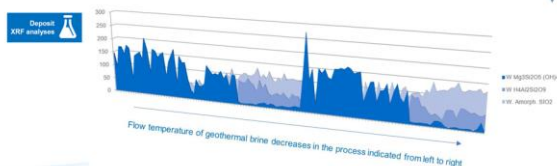
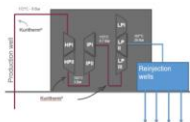
**Others**

- Cetamine® Technology for steam lines
- Cooling tower solutions

### Silica prevention in Turkey



- Triple flash-steam power plant in Turkey
- One of the highest installed capacity (~ 200 Mwe)
- ESP running production wells
- CaCO<sub>3</sub> and Silica/Silicate-based precipitation
- 6 years of R&D partnership with customer



### Corrosion Inhibitor in Italy



Period Oct 21 – Jan 22  
with initial/competitor anticorrosion inhibitor



Period Jan 22 – April 22  
with Turbodispin inhibitor



- ⇒ Strong improvement of the anticorrosion protection measured by corrosion coupons with Turbodispin inhibitor
- Corrosion rate value divided by 20 times
  - Aspect of the coupons without any significant pitting and damages
  - High anticorrosion efficiency obtained with Turbodispin corrosion inhibitor

### Headquarter

PT. Kurita Indonesia  
Jl. Jababeka XIIA Kav. V-6  
Cikarang, Bekasi  
17520

### Contact

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+628119848866



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