



**BETA PRAMESTI ASIA**  
WATER AND WASTEWATER TREATMENT



**COMPANY PROFILE**



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## About Us

PT Beta Pramesti has been providing industries in Indonesia with water and wastewater treatment solutions for over 38 years. The company started as the exclusive distributor of Hydro-Chem boiler and cooling tower chemicals from Australia in 1985.

Specializing in water and wastewater solutions, the company has three divisions: Engineering, Procurement and Construction (EPC) Division, Chemical Division and Operation and Maintenance Division. In 1990, we launched BETAQUA for water and wastewater in diverse applications from desalinating water for power plants to airports and special applications such as decolorizing sugar, condensate polishing and recycling industrial.

We started our Reverse Osmosis in 1998, with the backup of another US-based consultancy firm. From then, our membrane systems are used in international airports and high rise buildings, as well as pharmaceutical and power plants throughout Indonesia.

Was a part of Swing Corporation of Japan (daughter company of Ebara, Mitsubishi and JGC) in 2015 and become PMA until become PMDN again in 2021, Beta Pramesti comprising of more than 150 full time employees, our services its customers through its network in Indonesia: Jakarta, Banjarmasin, Jambi and Surabaya. The company is certified to NSF, ISO 9001:2008, Halal and runs SAP for project costing and resource planning.

## Vision

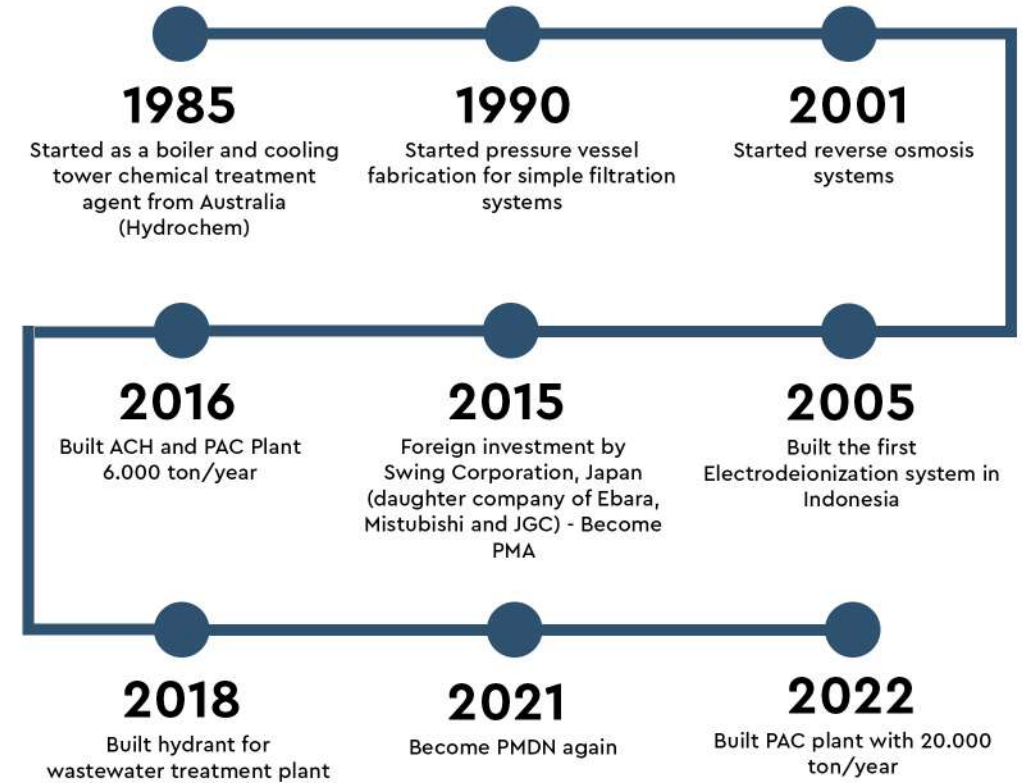
Becoming the number 1 best local company in the Water and Wastewater Treatment industry in Indonesia

## Mission

Providing the best Water and Wastewater Treatment solutions, satisfying customers, high quality and on time as well as contributing positively to the environment and prioritizing Occupational Health & Safety



## Our Milestone



**WE** Engineer  
Build  
Operate  
**38 Years**





# COMPLETE WORKSHOP FACILITIES

All of our BETAQUA equipment are fabricated in our workshop in Cikupa, Tangerang. The facility consists of three fabrication workshops and two finishing sheds for rubber and fiber lining work.

Workshop 1 fabricates skidded systems such as Reverse Osmosis and Ultrafiltration. Workshop 2 fabricates both skidded systems and pressure vessels for filtration and atmospheric storage vessels. Workshop 3 prepares the metal sheets for fabrication. Shed 1 is where rubber lining is performed with steam facilities, and Shed 2 fabricates fiber tanks as well as provides space for fiber lining finishing





## Research & Development

Some customer require tailor-made solutions and we are ready and able to help in this project. Our R & D laboratory can develop new products and test them throughly in the field before releasing them for customers. Our R & D laboratory continuously keeps abreast of the latest technology advances.

## Manufacturing

Our products are manufactured at our manufacturing plant in Cikupa, Tangerang. Strict quality control prosedures ensure that every vatch of chemical shipped to our customer meets product spesifications and is of the highest quality. We also adhere to strict waste disposal methods to prevent enviromental pollutions.

## Quality

The process of striving to continuously produce quality products has always been an important part of Betaflow. Raw materials and finished products undergo strict and stringent quality control before they are released. Samples of raw materials and finished products are retained for future references.

## Environment

Protecting the environment for future generations is of utmost importance to Us. Working to customers, we monitor, analyze, and treat waste streams to remove contaminants. Our waste treatment program, not only benefits the environment but also helps our customers recover and recycle valuable resources and water. In our laboratory, we routinely conduct regular reviews of the raw materials that are used, and replace them with more environment friendly ones as they are made available.

## Health & Safety

As a company that puts the emphasis on its people, we takes health and safety issues seriously. A safe working condition ensures that everyone can do his function without fears of impending work accidents. Futhermore, safe working conditions can minimize work stoppage caused by injured personnel or damaged facilities.





**Chemicals** We have served and supported various heavy industries in Indonesia. Some of them are the oil & gas industry, steel plants, pipe manufacturers, petro-chemical plant, power generation plants, pulp and paper industry, wood industry, metal working industry and mining industry. We believe that excellent technical service can only be given by being situated close to the customer. That is why we continue to expand our network of representative offices and distributors all over Indonesia.

Our engineers are consultants to our customers, working together to solve problems and to prevent new problems from occurring. Our engineers are connected to each other via our intranet computer network. Apart from trouble shooting and recommending solutions, our engineers seek to help in the implementation of the chemical treatment program.

After implementation, our engineers are able to conduct continuous monitoring of the results. The collected data are then analyzed and summarized to provide further recommendations. In this manner, we can provide continuous improvement. At the same time, we free the customer to concentrate on the main operation of their business.

## Mining

The Mining Division at PT Beta Pramesti Asia focuses on providing water and wastewater solutions specifically for the mining industry. Our approach combines practical innovation and expertise with a commitment to environmental sustainability. We aim to meet the unique water management needs of mining operations efficiently and responsibly.

Our mission is to lead in effective and sustainable water and wastewater management practices within the mining sector. Through the use of advanced technology and industry knowledge, we strive to optimize resource use, minimize environmental impact, and support the sustainable growth of the mining industry.





**Oil & Gas** The Oil & Gas Division of PT Beta Pramesti Asia offers practical and efficient water and wastewater management solutions for the oil and gas industry. Focused on robust and realistic technology, we provide water and wastewater treatment chemicals specifically designed to meet the unique needs of this sector. Our products combine reliability and effectiveness, making them an appropriate choice for companies in the oil and gas sector.

The strength of our products lies in their ability to provide solutions that have an immediate positive impact on operational efficiency and resource management. Our commitment to quality and dependability is reflected in every product we offer, establishing us as a reliable choice for water and wastewater treatment needs in the oil and gas industry.





## PAC & ACH

PT Beta Pramesti Asia is dedicated to high-quality production of coagulants. The company sets strict quality standards, ensuring their Poly Aluminium Chloride (PAC) and Aluminum Chlorohydrate (ACH) products meet top industry norms. Beyond manufacturing, they also provide strong technical support to customers using PAC and ACH for water coagulation processes.

With the company's expert guidance, clients can achieve optimal outcomes, supporting efficient and effective water purification processes. PT Beta Pramesti Asia is also committed to environmental responsibility. In producing PAC and ACH chemicals, the focus is on sustainability, aiming to reduce the environmental impact of water treatment processes.

This commitment is in line with the global movement towards environmentally friendly practices. As a growth-oriented local manufacturer, PT Beta Pramesti Asia plays a vital role in the water treatment sector and supports sustainable industrial growth, contributing to a cleaner and healthier environment.





## Wastewater Treatment

The Wastewater Treatment division of Beta Pramesti treats industrial and commercial waste (such as domestic sewage waste) to the current regulation or better. These wastewater are usually treated for solids removal using conventional clarification and further treatment may involve biological oxygen demand (BOD) removal using biological methods or other hazardous contaminants by settling/absorption. More efficient systems using BETAQUA Membrane Bio Reactors are becoming more and more commonly used because of the low sludge production and higher quality effluent. It is now possible to recycle some of the water for reuse. Similar to the water treatment systems, Beta Pramesti also manufactures and assembles all these systems under the BETAQUA brand



## System Maintenance

The Professional service division of Beta Pramesti handles servicing of our systems as well as systems built by other. Initially a cooling tower and boiler chemical maintenance division, it expended off to handle complete maintenance of our Reverse Osmosis, Ultrafiltration, Biological Treatment and other systems. Covering all the maintenance aspects including media replacement, chemical consumables and crucial parameter monitoring, the customer is presented with a cost efficient system with fixed and predictable operating cost

## Electrical & Control Systems

Our ECS division assembles our own panels and do our own PLC Programming. This ensures any changes or customization required by our customers can be performed quickly by our own in house PLC programmers and electrical engineers. Troubleshooting time is also cut down drastically as all of our control systems are designed by our process engineers working with our in house programmers.



## Water Treatment

The Water Treatment division of Beta Pramesti treats surface water (both river and seawater) and subsurface water (such as well water) to the customer specification. These waters are usually treated for removal of suspended solids using conventional clarifiers or ultrafiltration systems. Further treatment may utilize hardness/iron/organic removal, as well as other less common contaminants. Reverse Osmosis may be used to increase the quality of the water, and for certain customers, mixed bed systems or electrodeionization systems are used.

Beta Pramesti manufactures and assembles all these components using the highest quality components in our own manufacturing facility to ensure complete product quality and quick turn around time



## Web Based Monitoring

BETAQUA Premium range of equipment include a web based monitoring developed internally by our engineers. This allows the customer as well as our engineering team to monitor BETAQUA equipment using web browsers from anywhere in the world. Water/wastewater system data such as flow, dissolved oxygen, conductivity, turbidity, pressures and pH are logged and stored in a server with redundant storage, protected by strong encryption. When one of the parameter is out of range, for example when conductivity is above a certain limit, or when emergency button is pressed, an email/SMS will be sent within minutes, providing around the clock management by exception.

## BETAFLW

- Pour Point Depressant & Wax Inhibitor
- Demulsifier
- Deoiler
- Parrafin Solvent/Wax Dissolver
- Antifoam
- Oxygen Scavenger
- H<sub>2</sub>S Scavenger

## BETAGARD

### Cleaning Chemicals

- Alkalinity Control & Neutralizing Cleaning Chemicals
- Inhibited Liquid Acid for Rust & Siliceous Scale Removal

### Water & Wastewater Clarification

- Polyaluminium Chloride
- Polyaluminium Chloride Powder
- Aluminium Chlorohydrate
- Anionic Flocculant
- Cationic Flocculant

### Boiler Water Treatment

- Neutralizing amine
- Alkalinity control
- Boiler water & scale preventative
- Boiler scale control
- Boiler scale preventative
- Catalysed corrosion preventative
- Boiler water treatment catalyzed oxygen scavenger

### Reverse Osmosis Treatment

- Premium antiscalant & antifoulant
- Low pH membrane cleaner
- High pH membrane cleaner
- Biomate for reverse osmosis systems
- Oxygen & chlorine scavenger

### Cooling Water Treatment

- Scale inhibitor & dispersant
- Corrosion & scale inhibitor
- Corrosion inhibitor
- Non oxidizing biocide
- Biocide
- Oxidizing biocide

### Wastewater Treatment Plant

- Enzyme bacteria for wastewater treatment plant
- Bacterial cultures
- Grease trap

## BETAQUA

- Clarifier
- Fiberglass filter
- Steel filter
- Stainless steel cartridge housing
- PVC cartridge housing
- Fiberglass cartridge housing
- Polypropylene cartridge
- Ultrafiltration machine
- Seawater reverse osmosis
- Brackish water reverse osmosis
- Standard UV & Cartridge UV
- Compact sewage treatment plant
- Plate settler

## TERRAGARD

- Waterless hand cleaner
- Solvent degreaser
- Water base degreaser
- Coal dust suppressant
- Road dust suppressant
- Engine water coolant inhibitor
- Coal fire suppressant



# Our Projects



## Seawater Desalination

| No. | Customer Name        | Scope of supply                                   |
|-----|----------------------|---|
| 1   | PT Jaya Ancol        | SW Desalination 5,000 m3/day                      |
| 2   | PT CCM Indonesia     | SW Desalination 2,200 m3/day                      |
| 3   | PT Indofood (Bimoli) | SW Desalination 1,000 m3/day                      |
| 4   | PLTU Amurang         | 2x25MW, SW Desalination for boiler make up water  |
| 5   | PLTU Ende            | 2x7MW, SW Desalination for boiler make up water   |
| 6   | PLTU Kepulauan Riau  | 2x7MW, SW Desalination for boiler make up water   |
| 7   | PLTU Lombok          | 1x25MW, SW Desalination for boiler make up water  |
| 8   | PLTU Maluku Utara    | 2x7 MW, SW Desalination for boiler make up water  |
| 9   | PLTU Tonasa          | 2x35MW, SW Desalination for boiler make up water  |
| 10  | PLTU Gorontalo       | 2x25MW, SW Desalination for boiler make up water  |
| 11  | PLTU Indramayu       | 3x330MW, SW Desalination for boiler make up water |
| 12  | PLTU Pacitan         | 2x315MW, SW Desalination for boiler make up water |
| 13  | Bali Pecatu Graha    | SW Desalination 3,000 m3/day (Revitalization)     |

## Demineralizer

| No. | Customer Name             | Memo            |
|-----|---------------------------|-----------------|
| 1   | Petronas Chemical         | 3 x 330 m3/hour |
| 2   | Petrokimia Gresik         | 180 m3/hour     |
| 3   | Indah Kiat Pulp and Paper | 3 x 250 m3/hour |
| 4   | LPPPI Jambi               | 250 m3/hour     |
| 5   | Sulfindo Adi Usaha        | 2 x 55 m3/hour  |

## Brackish Water Reverse Osmosis

| No. | Customer Name                    | Memo                                       |
|-----|----------------------------------|--|
| 1   | Godfrey Hirst Company, Australia | Recycling of wastewater using UF and BWRO  |
| 2   | Synchrotron Australia            | Electron Research Facility                 |
| 3   | Pacbrands, Australia             | Recycling of wastewater using UF and BWRO  |
| 4   | Pantai Mutiara Apartments        | BW desalination for three apartment towers |
| 5   | Indah Kiat Pulp Paper            | BW desalination for process water          |
| 6   | Tanjung Unggul Mandiri           | BW desalination for potable water          |

## Ultrafiltration

| No. | Customer Name            | Memo   |
|-----|--------------------------|--|
| 1   | Pertamina Tambun         | Recycling of Produced Water  |
| 2   | Grand City Mall Surabaya | Reverse Osmosis pretreatment from river water                            |
| 3   | PLN Pontianak            | BW desalination from air gambut (extremely high organic containing peat) |

## Electrodeionization(EDI) First locally build EDI skids in Indonesia

| No. | Customer Name          | Memo                            |
|-----|------------------------|---------------------------------|
| 1   | BMS / Taisho Pharma    | Purified Water to USP standards |
| 2   | Dankos Laboratories    | Purified Water to USP standards |
| 3   | Ikapharmindo           | Purified Water to USP standards |
| 4   | Mega Esa Farma         | Purified Water to USP standards |
| 5   | Immortal Cosmedica     | Purified Water to USP standards |
| 6   | Global Multi Pharamlab | Purified Water to USP standards |
| 7   | Mahakam Beta Farma     | Purified Water to USP standards |
| 8   | Dion Farma             | Purified Water to USP standards |

## Chemical

| No. | Customer Name               | Memo                                       |
|-----|-----------------------------|--|
| 1.  | BUT Sarulla Operation, Ltd  | Chemical General                           |
| 2.  | PT. PALYJA JAKARTA          | ACH  |
| 3.  | Pembangkit Jawa - Bali      | Chemical Boiler Proses & Chemical General  |
| 4.  | Pulau Sambu                 | Chemical Boiler & chemical cooling process |
| 5.  | Riau Sakti                  | Chemical Boiler & chemical cooling process |
| 6.  | Tunas Baru Lampung          | Chemical Boiler & chemical cooling process |
| 7.  | Budi Makmur Perkasa         | Chemical Boiler & chemical cooling process |
| 8.  | PDAM Tirtanadi Medan 2 site | Chemical for WTP                           |



## Sewage Treatment Plant

| No. | Customer Name                                     | Capacity    |
|-----|---|-------------|
| 1   | STP Latumenten                                    | 450 m3/day  |
| 2   | STP Cluster Canary                                | 275 m3/day  |
| 3   | STP Project Apartment Grand Center Point          | 432 m3/day  |
| 4   | STP & Recycle System Apartment The Suite          | 400 m3/day  |
| 5   | STP System Cluster Palm & Maple Summarecon Bekasi | 1100 m3/day |
| 6   | STP Summarecon Mal Bekasi 1                       | 700 m3/day  |

## WWTP & Sludge Dewatering System from CPO Process

| No. | Customer Name | Capacity    |
|-----|---------------|-------------|
| 1   | WWTP Socimas  | 1080 m3/day |

## Wastewater Treatment Plant

| No. | Customer Name                        | Capacity        |
|-----|--------------------------------------|-----------------|
| 1   | PLTU Sul-Sel Bar-2                   | 15 m3/hour      |
| 2   | PT Rekadaya ElektriKA                | 1 x 1200 m3/day |
| 3   | Green Bay Pluit                      | 1 x 750 m3/day  |
| 4   | PT Andalan Furnindo                  | Various         |
| 5   | PT Twink Indonesia                   | 1 x 60 m3/day   |
| 6   | PT Perindustrian Sawit Synergy (KLK) | 62 m3/day       |
| 7   | PT Perindustrian Sawit Synergy (KLK) | 350 m3/day      |
| 8   | PT PP Persero (Tbk)                  | 300 m3/day      |
| 9   | PT PP Persero (Tbk)                  | 375 m3/day      |
| 10  | PT Kutai Refinery Nusantara (APICAL) | 840 m3/day      |
| 11  | PT Kirin Miwon Foods                 | 3.600 m3/day    |

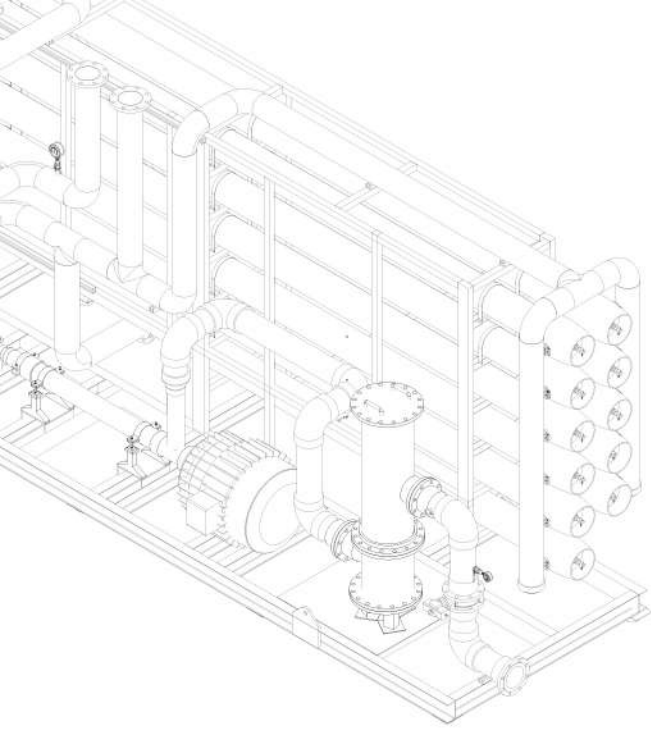
## Storage Tank

| No. | Customer Name                     | Capacity                                   |
|-----|-----------------------------------|--|
| 1   | Hyundai Engineering Co. Ltd (HEC) | Cap 320                                    |
| 2   | PT PP                             | Storage Tank Proyek PLTG 500MW (1 x 25 MW) |
| 3   | PT Andalan Furnindo               | 39 Units Storage Tanks                     |
| 4   | PT Andalan Furnindo               | Various                                    |

## Pressure Vessel Tank

| No. | Customer Name                     | Capacity |
|-----|-----------------------------------|----------|
| 1   | Hyundai Engineering Co. Ltd (HEC) | 40 m3    |





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