



COMPANY PROFILE



PT. BINA SARANA TEKNOLOGI

INNOVATION AND TECHNOLOGY SOLUTION FOR ALL

PT BINA SARANA TEKNOLOGI



OUR BUSSINESS LINE



ENGINEERING

We have determined the business focus on the water treatment, wastewater treatment, renewable energy and new technology sectors that will also synergize with property developers. These include engineering in the scope of system development consultancy, making of engineering design and design analysis.



PROCUREMENT

We are expanding our network marketing by procuring goods related to our business sectors.



CONSTRUCTION

We always committed to being able open opportunities in developing and fabrication construction in our business sector that is able to integrate into the automation system.



WHY CHOOSE PT BISTEK

THE RIGHT TEAM FOR A GOOD PLAN

To produce the best solution for each of your problems, PT Bina Sarana Teknologi (PT BISTEK) is supported by a multidisciplinary team with experience in civil, structural, electrical and instrumentation, process design as well as handling and technical support

PT BISTEK entrusts every project handled to young potential who has high enthusiasm to maintain and enhance good relationship with you.



WE CARE

We come, we ensure, we recommend the best solution based on the findings and design analysis effective and efficient with suitable for your needs.

WE SHARE

We are responsible for your knowledge to understanding every detail of information you require to ensure your system running optimally.

WE DARE

We always oriented towards to long-term results and quality, not only an agreement because your satisfaction is our future guarantee.

WE HERE

No matter how small a problem you have, we are ready to share the time, energy and mind to provide the best solution.

WE ARE READY TO BE YOUR PARTNER

We always confident that you are able to determine the best partner for your solution require. Simply put, if you want a partner who cares about your requirements, definitely choose Us.



VISION

Being a technology development company in the field of water treatment, wastewater treatment, renewable energy and new technology for the regional and international.

MISSION

- Being a professional in the technology development.
- Establish cooperation with industries and national or multinational property developers.
- Conduct assessment and application of technology could generate new innovations.

COMMITMENT

- We uphold the high quality standards.
- Excellent service becomes our benchmark for the improving customer satisfaction.
- Prioritize potential employee development by conducting training to maintain performance.
- We always work as a whole in achieving common goals.

OUR TEAM



EKY Zahrul Umam
PROCESS ENGINEER



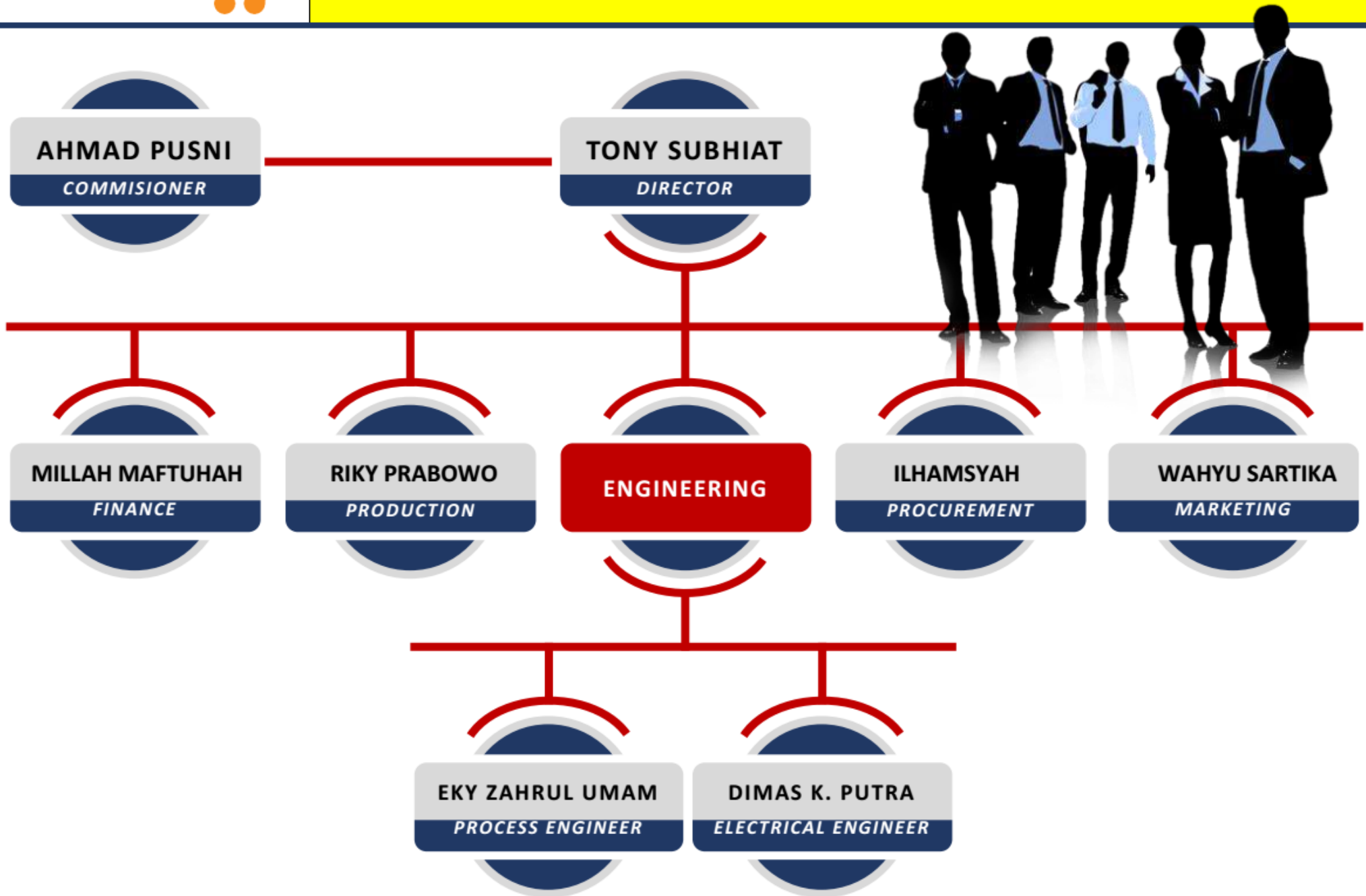
TONY Subhiat
MECHANICAL ENGINEER



DIMAS Kusuma Putra
ELECTRICAL ENGINEER



ORGANIZATIONAL STRUCTURE PT BINA SARANA TEKNOLOGI



FLOW CHART MANAGEMENT PRODUCTION PT BINA SARANA TEKNOLOGI (PT BISTEK)





MEDIA FILTER

- DECREASE SUSPENSION SOLID, STINK, COLOUR AND ALSO ESSENCE IN RAW WATER
- CAPACITY UP TO 65 M³/JAM
- MATERIAL : POLYETHYLENE, MILD STEEL WITH COATING POLYMER, STAINLESS STEEL
- MEDIA : SAND SILIKA, SAND MANGAN, ACTIVE CARBON, ANTRASIT, SOFTENER
- SYSTEM : MANUAL OR AUTO BACKWASH
- EQUIPPED WITH AIR SCOURING

ULTRAFILTRATION (UF)

ULTRAFILTRATION IS A FILTER PROCESS WITH PORE SIZE <0.1 MICRON FOR REMOVING TURBIDITY, PARTICLES, BACTERIA AND ORGANIC INSIDE OF RAW WATER UNTIL CERTAIN LIMITS. IT USUAL PROVIDED IN CLEAN WATER PROCESSING INDUSTRIES OR THE INPUT PROCESS OF ADVANCED FILTRATION AS WELL AS REVERSE OSMOSIS.

UF QUALITY

SDI < 1*

Turbidity < 0.1*

TSS = 0

Steady Product

Low Operasional Cost

Easy Maintenance



*SDI dan Turbidity Depending of quality feed water UF



BRACKISH WATER REVERSE OSMOSIS (BWRO)

Brackish water reverse osmosis or low-pressure reverse osmosis is a low-pressure reverse osmosis to lower levels of solute, color, hardness and metal ions in raw water up to > 90%. BWRO is widely applied in brackish water treatment into drinking water, demin water or process water for the industrial requirement.

FEATURE & ADVANTAGE

- Standard system with competitive price*
- The freshwater products are stable and of high quality*
- High quality tools and materials*
- Energy consumption and operational costs are more effective*
- Easy process control and monitoring*
- Compatible design for easy shipping*

TYPICAL SPESIFICATION SYSTEMS BWRO PT BINA SARANA TEKNOLOGI

<i>Model</i>	<i>Flow</i>		<i>Main RO Skid Dimensions (L X W X H)</i>	<i>Overall Shipping Weight*</i>	<i>Overall Electrical Loading*</i>	<i>Overall Power Consumption*</i>
	<i>Product</i>	<i>Feed</i>				
	<i>(m³/day)</i>	<i>(m³/day)</i>				
25 BRO – 1	25	45	(2.5 X 1.2 X 1.5)	150	2.5	50
50 BRO – 1	50	85	(3.6 x 1.2 x 1.5)	200	4	90
100 BRO – 1	100	155	(3.6 x 1.5 x 1.5)	350	7	168
200 BRO – 1	200	320	(4.7 x 1.5 x 1.8)	600	11	252
400 BRO – 1	400	650	(4.7 X 1.8 X 1.8)	1100	17	396
800 BRO – 1	800	1200	(4.7 X 1.8 X 2.2)	1700	30	708
1000 BRO – 1	1000	1500	(4.7 x 1.8 x 2.2)	2000	41	984
1200 BRO – 1	1200	1800	(4.7 x 2.2 x 2.2)	2400	48	1152
1500 BRO – 1	1500	2300	(4.7 x 2.2 x 2.4)	2900	70	1680
1800 BRO – 1	1800	2800	(5.7 x 2.2 x 2.6)	3200	74	1764
2000 BRO – 1	2000	3000	(5.7 x 2.3 x 2.6)	3500	94	2244

NOTES : * *Main system RO + cleaning system without pre – treatment and post – treatment*

* *Only main system RO without pre – treatment, cleaning system and post – treatment*

SEAWATER REVERSE OSMOSIS (SWRO)

SEAWATER REVERSE OSMOSIS OR HIGH PRESSURE REVERSE OSMOSIS USING TECHNOLOGY BASED MEMBRANES TO SEPARATE MORE THAN 99% OF SALT AND OTHER MINERALS OF SEA WATER. WITH A HIGH PRESSURE PUMP (40 - 50 BAR) AS DRIVING FORCES TO MAKE SEA WATER CONCENTRATED SALT AND HIGH MINERAL RO MEMBRANE DIFFUSE THROUGH 0.0001 MICRON TO BECOME FRESH WATER READY TO DRINK..

Cartridge Filter

Used to prevent particles from entering the RO membranes.

Pressure Vessels & Membranes

Pressure vessel is made of GRP material which has been installed high performance RO membrane. GRP is glass reinforced plastic.

Electrical Control Panel

The PLC + HMI installed in the control panel serves to collect and record key RO parameter system data, such as start / stop time, alarm, and cleaning and flushing membrane time.



Energy Recovery Device

Used to regain energy from the RO system reject stream. Use of this tool will save 60% RO energy system consumption

Chemical Injection Systems

Used to maintain product water quality and membrane performance to remain optimal. Chemically injected are alkaline, anti-scalant, and anti-chlorine. Bases to maintain pH value, anti-scalant to prevent membrane and anti-chlorine crust to prevent oxidation of membranes due to chlorine contained in RO water feed.

RO High Pressure Pump

Used to press the RO water feed through the osmotic pressure to produce the product water passing through the RO membrane. This pump is made of stainless steel like duplex SS 2205

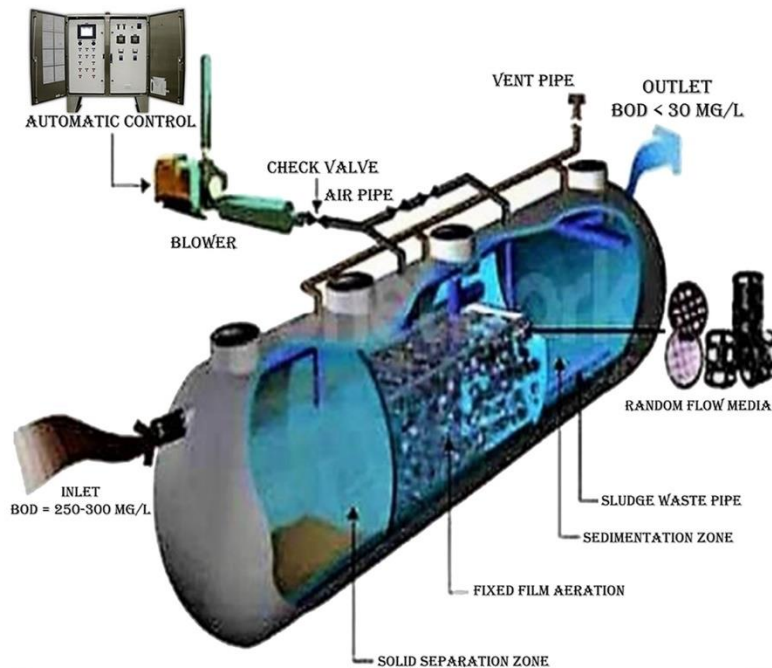
TYPICAL SPESIFICATION SYSTEMS SWRO PT BINA SARANA TEKNOLOGI

Model	Flow		Main RO Skid Dimensions [^] (L X W X H) (m x m x m)	Overall Shipping Weight* (kg)	Overall Electrical Loading* (kW)	Overall Power Consumption* (kWh/day)
	Product	Feed				
	(m ³ /day)	(m ³ /day)				
200 SRO - 1	200	500	(5.0 x 1.5 x 2.0)	5500	31	660
300 SRO - 1	300	750	(7.2 X 1.5 X 2.0)	8500	58	1180
500 SRO - 1	500	1250	(7.9 X 1.5 X 2.0)	13000	78	1660
800 SRO - 1	800	2000	(7.9 x 1.8 x 2.2)	17000	115	2650
1000 SRO - 1	1000	2500	(8.1 x 1.8 x 2.4)	20000	142	3120
1200 SRO - 1	1200	3000	(8.1 x 2.0 x 2.4)	24000	154	3650
1500 SRO - 1	1500	3750	(8.1 x 2.1 x 2.4)	30000	205	4430
2000 SRO - 1	2000	5000	(8.1 x 2.1 x 2.4)	38000	277	5790

NOTES : [^] Multiple skid have require possible to design system RO 500 m³/day and above capacity.

* All systems include main systems RO, pretreatment, post treatment and cleaning system

WASTE WATER TREATMENT



STP BIOTANK

Domestic sewage treatment system sourced from bathroom, toilet, kitchen, laundry etc.

Advantages:

1. Complete system in one tank
2. Easy maintenance
3. The system can be applied by planting or on the floor
4. Does not require much civil work
5. Fast and easy in the agency.

BIOTANK

This type of tank is widely used in domestic sewage treatment. Manufactured with hand lay up molding system, making it more sturdy and strong because of plus belt molding. can be applied by planting or in open area. Capacity requirements can be tailored to customer demand.



VERTICAL TANK

This vertical tank is widely used in industrial plants as well as in sewage treatment.

Vertical Tank Media :

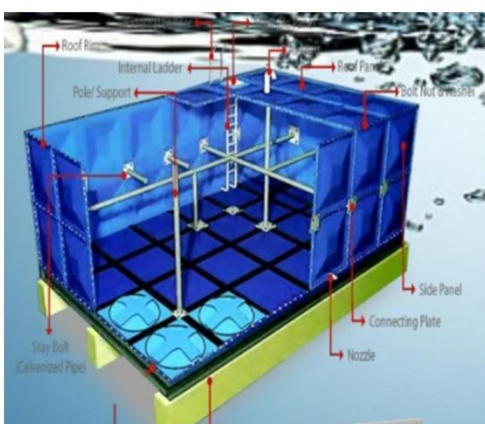
- > Water
- > Solar
- > HCl
- > Caustic Soda
- > Etc.



CHEMICAL MATERIAL	TEMPERATURE	CONCENTRATION	RESIN TYPE
Diesel Fuel	100%	80°C	Vinylester
Caustic Soda	20 - 37% >	70°C - 90°C	Vinylester
Asam Chlorida	20 - 37% >	70°C - 90°C	Vinylester
Asam Sulfat	75%	4°C	Vinylester
Coconut Oil	100%	80°C	Vinylester
Aluminium Sulfat	100%	80°C	Bisphenolic
Coastic	20%	40°C	Bisphenolic
Asam Chlorida	20% <	50°C <	Bisphenolic

PANEL TANK

this type of tank as a container of clean water, modern buildings are currently using rooftank tank. in production with HAND LAY UP MOULDING SYSTEM, produces the front surface mold with the best quality slick with no pores.





MARKET SEGMENTATION

Commercial Building Service (CBS)



In this segmentation, We have focused on water treatment system services and liquid waste for high rise buildings with energy efficiency and optimal cost. Hotels, apartments, flats, shopping malls, hospitals and office buildings are the majority of our service targets.

Water Supply (WS)



In this segmentation We provide water needs, from raw water intake, raw water treatment, distribution of clean water or drinking water products, to safe processing of wastewater for the environment. Our target markets include PDAM, harbor, swimming pools, irrigation & agriculture, and landfills.

Industrial End User Market (IEUM)



Our Products in this segmentation focuses on water and wastewater treatment solutions for the problems experienced by the industry. We have a target market of industries such as food & beverage industry, textile industry, paper industry, pharmaceutical industry, automotive industry and manufacturing industry.





PT BINA SARANA TEKNOLOGI

Address : Jl. Pahlawan No.66, Cibinong, Gn. Sindur, Bogor
Jawa Barat 16340, Indonesia

Hp. 1 : +62 856 1633 486 | Mr. Eky

Hp. 2 : +62 812 2229 5049 | Mr. Tony

Hp. 3 : +62 813 8221 8887 | Mr. Dimas

Email : admin@binasaranateknologi.com

Website : binasaranateknologi.com

SIUP QR CODE



2

2

2