



**KHARISMA  
TIRTA  
ENGINEERING**

# COMPANY PROFILE

***“ Do you need our services ?***

*Contact our team, experts who are ready to help you through consultations, discussions and field surveys for any of your needs. “*

## **PT. KHARISMA TIRTA ENGINEERING,**

PT. KHARISMA TIRTA ENGINEERING is a company engaged in the design and construction of Industrial Waste Water Treatment Plant (WWTP), Domestic Waste Water Treatment (Sewage Treatment Plant (STP) and Water Treatment Plant (WTP) facilities.

PT. KHARISMA TIRTA ENGINEERING is an experienced contractor company in the field of Water & Waste Water Treatment Systems, founded in November 2009. Taking part in the efficiency of purification and use of water in Indonesia so that you can enjoy healthier water quality in industrial areas, factories, offices, apartments and houses ladder.

Also providing waste water installations, aimed at reducing waste water pollutants from the production process to meet national and international industrial waste standards. With IPAL, it is hoped that the interests of all stakeholders can be met, especially the surrounding community.

PT. KHARISMA TIRTA ENGINEERING offers water and wastewater treatment solutions designed to save costs in the long term.

Apart from being engaged in the design and construction of Water Treatment facilities, PT. KHARISMA TIRTA ENGINEERING also has an MEP installation and fabrication division.

### **Vision:**

To become a leading EPC (Engineering, Procurement, Construction) company in Indonesia that offers long-lasting environmental and energy solutions.

### **Mission:**

Providing the right technology to customers through technological innovation, engineering design excellence and fulfilling high commitments.

Carrying out Company operations based on an effective quality management system, ensuring work health and safety and playing a role in environmental preservation.

Develop human resources that uphold the Company's values; Integrity, Professionalism and Competence.



## **WATER TREATMENT DIVISION**

Focus on the latest technology in water treatment, we turn into water management specialist company and services that integrate the needs of our clients by offering complete engineering design, procurement, fabrication, installation and commissioning of water & waste water treatment system.

We provide a comfort factor for our Clients by continuously cultivating strong in-house expertise. As well as latest technology. The range of expertise in the company covers Chemical, Biological, Mechanical, Civil and Electrical Engineering. The scope of work includes :

- Detailed Engineering Design
- Project Management
- Supply of Materials and Equipment
- Installation or Supervision
- Start - up and Commissioning

In addition to this routine scope, our team of Field Process Engineers have earned the reputation of effective process trouble - shooting. Numerous Water and Wastewater Treatment Plants which were not performing satisfactorily have been successfully "corrected" by the mere application of many years of practical process engineering know - how. At times, cost savings in chemical consumption has been a direct consequence of the corrections. This well earned reputation has resulted in our Process Engineers being assigned to solve their Water and Wastewater problems overseas.

Water and Wastewater Treatment involves technology. Technology is forever evolving. In the interest of keeping abreast of new and better technologies, we remain in close working relations with our Principals. Although for most applications our local team is more than equipped to provide effective solutions.

## **EPC CONTRACT FOR WATER TREATMENT**

PT. KHARISMA TIRTA ENGINEERING, provides a complete range of the following process plant:

- Water treatment plant
- Brackish water Reverse Osmosis
- Sewage Treatment Plant

The abovesystems may incorporate the following unit processes :

- Presedimentation basins
- Coagulation & Flocculation systems
- Clarifiers
- Sand Filters- Gravity and pressure type
- Anthracite & Multimedia Filters
- Activated Carbon Filters
- Brackish Water Reverse Osmosis (BWRO)
- Chemical Injection plant



**BWRO**  
**PT. TeamWorx, Tangguh,**  
**Papua**





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**Demineralized & Mixed Bed Water  
Plant, Capacity : 12 m<sup>3</sup>/h**



**Water Treatment Plant,  
Cap. 10 lps**



**Demineralizer Plant,  
Capacity : 25 m<sup>3</sup>/h**



**Water Treatment Plant  
PT. Cargill Hindoli Palembang Sumsel  
Capacity : 25 m<sup>3</sup>/h**





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## **MECHANICAL, ELECTRICAL & PIPING DIVISION**

As an MEP contractor, we support and help customers provide system solutions for installing MEP equipment, especially in clean water (IPA), dirty water (IPAL) treatment installations, and also recycling water installations from dirty water. Including transmission network pipes, main distribution networks, distribution networks, and direct distribution networks with various types of pipe materials, including PE, PVC, GIP pipes and stainless steel pipes.



**Installation MEP Work,  
SPAM Tanah Merah,  
Bekasi**



**Installation of Genset Intake  
PT. AIH Karawang**



**Installation Header Pipa GIP  
Diameter 600mm, Discharge Pump,  
PT. MOS Purwakarta**







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**Lateral Pipe Sand Filter,  
WTP MM2100 Cibitung**



**Installation Header inlet/outlet  
Pipe to Water Tower  
PT. MOS Purwakarta**



**Filtration, Sand + Carbon.  
Surya Pamenang Kediri**



**BWRO  
PT. Lesaffre Sari Nusa  
Malang, 2022**



# REFERENCE LIST

No.	SCOPE OF WORK	OWNER/PROJECT	YEAR
1	Fabrication Local Panel Distribution Pump WTP	PLN PLTU Rembang	2008
2	Fabrication Local Panel Electrochlorine	PLN PLTU Babel	2009
3	Fabrication Control Panel with PLC WTP	PLN PLTU Babel	2009
4	Install Electrical Work WWTP	PT. PLN NTT	2009
5	Install Electrical Work WWTP	PT. PLN Babel	2009
6	BWRO system, cap 2 m <sup>3</sup> /h	PT. Jeumpa, Aceh	2010
7	Install Electrical Work WWTP	PT. KIIC	2011
8	Install Electrical Work WTP	PT. MSW	2011
9	Install Electrical Work WTP	PT. Ajinomoto	2011
10	Install Electrical Work WWTP	PT. Honda Prospek Motor	2012
11	Install Electrical Work WWTP	PT. Lotte Ind	2013
12	Install Electrical Work WWTP		2013
13	Lateral Sand Filter Pipe for WTP	MM2100	2013
14	Lateral Sand Filter Pipe for WTP	Tjiwi Kimia	2013
15	Installation all Piping work for WWTP	Deltamas	2013
16	Fabrication Water Gate Presedimentation Basin of WWTP	Deltamas	2013
17	Fabrication Water Gate Coagulation Basin of WWTP	Deltamas	2013
18	Fabrication Wall Pipe/Embedded WWTP	Deltamas	2013
19	Ultrafiltration system, cap 1 m <sup>3</sup> /h		2014
20	Lateral Clarifier Pipe for WTP	Deltamas	2015
21	Lateral Sand Filter Pipe for WTP	Deltamas	2015
22	Lateral Sand Filter Pipe for WTP	SPAM Cepu	2015
23	Fabrication Wall Pipe/Embedded WTP	Deltamas	2015
24	Fabrication Panel Intake Pump WTP	SPAM Cijeruk	2015
25	Fabrication Wall Pipe/Embedded WTP	SPAM Cijeruk	2015
26	Install M/E Work, WTP	SPAM Cepu	2015
27	Fabrication Local Panel Transfer Pump	Bumi Parahyangan	2016
28	Install Piping Work	SPAM Bogor	2016
29	Install Fuel of diesel Generator Set	WTP Deltamas	2016
30	Fabrication & Install water gate	SPAM Jatisari - Jabar	2018
31	Fabrication Wall Pipe/Embedded Pipe	WWTP PT. Dongjin	2018
32	Fabrication & Install V-Notch	WWTP Cina Fortune Land	2018
33	Fabrication & Install Manual Bar Screen	SPAM Jatisari	2018
34	Fabrication Wall Pipe/Embedded Pipe	WWTP Cina Fortune Land	2018
35	Fabrication & Install Lamella Clarifier	WWTP Cina Fortune Land	2018
36	Fabrication & Install Lamella Clarifier	WWTP PT. Dongjin	2019
37	Fabrication & Install Perforated Screen	WWTP PT. Dongjin	2018
38	Installation Mechanical, & Electrical	Intake PT. Artha Industrial Hill	2019
39	Installation Mechanical, & Electrical	WWTP PT. Kiara Artha	2019
40	Installation Header Pipe Booster Pump	Intake PT. Artha Industrial Hill	2019
41	Fabrication SKID Ultrafiltration	MORI Office Building	2019
42	Fabrication & Install Perforated Screen	MORI Office Building	2019
43	Fabrication Baffle and Gutter	SPAM Kampar	2022
44	Installation Mechanical & Piping	WTP PT. Lesaffre Sari Nusa	2022
45	Supply & Install Plant Lighting	SPAM Jatisari	2022
46	Installation Galvanized Pipe Reservoir	WTP PT. JISC - Purwakarta	2023
47	Mechanical & electrical work SPAM	SPAM Tanah Merah Bekasi	2024
48	Mechanical Work Reservoir project	PT. Sinar Mitbana mas	2024
49	Mechanical work, sump pit SWTP	Kota Bukit Indah Dawuan	2025



# OUR CLIENT

The logo for ECOLAB, featuring the word "ECOLAB" in a bold, blue, sans-serif font. A stylized sunburst or starburst graphic is positioned between the "O" and "L".The logo for ENVITECH PERKASA. It features a stylized blue "E" icon composed of three horizontal bars of increasing length. To the right of the icon, the words "ENVITECH" and "PERKASA" are stacked in a bold, blue, sans-serif font. Below this, the text "WATER & WASTE WATER TREATMENT" is written in a smaller, blue, sans-serif font.The logo for GAPURA FAJAR LANGGENG. It features a stylized "GFL" monogram in a bold, blue, sans-serif font. To the right of the monogram, the words "GAPURA FAJAR" and "LANGGENG" are stacked in a bold, blue, sans-serif font. Below this, the text "The Leading Piping System Stockist & Installer" is written in a smaller, blue, sans-serif font.The logo for PT. INFRATEK MAKMUR BERSAMA. It features a stylized graphic of a red and blue circular arrow forming a loop around a black and white industrial structure. Below the graphic, the text "PT. INFRATEK MAKMUR BERSAMA" is written in a bold, blue, sans-serif font. Below this, the text "A GAPURA GROUP COMPANY" is written in a smaller, blue, sans-serif font.The logo for Baros. It features the word "Baros" in a stylized, blue, cursive font. The text is set against a yellow oval background with a blue border. The entire logo is set against a white background with a subtle shadow effect.

**KHARISMA  
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