



Integrate Engineering & Technology
for

PUMPING & DRIVE SOLUTIONS

Your Partner for Innovative & Complete Solution

PT. TORSA REKADAYA SINERGI

@ 042024

Your solutions partner for:

Pump

Motors

Drive

Valve

Pump Systems

Dosing Systems

Disinfection Systems

Pump Controllers

Solar Pump Solutions

Optimisation Services

Engineering Design & Works



About us

Who is Torsa Rekadaya?

Torsa Rekadaya Sinergi (well-known as **Torsa Rekadaya**) is System Integrator and Engineering Company for fluid handling solution & energy-optimation services, located in Medan & Jakarta – Indonesia.

We specialize in energy-efficient Pumping system to provide solution in all fields of fluids handling, and offers a comprehensive premium pump, valve, and other fluid handling equipment from world-class manufacturer

In order to provide energy-efficient solution, we also provide you premium Motor and Drive controller become an integrate system.

Our expertise in integrate engineering & technology enable us to provide best system & customized solutions to our customers.

Expertise

What We Do?

We provide you
Design, Supply, Service & Repair, Supervision & Test your Pumping Systems, Motor & Drives,
Energy Optimisation & Consultancy.

Fluid Handling Specialist

Torsa provide innovative solutions that match your operational situations needs to handle any kind of fluid with the most reliable and efficient pumping/mixing system & control solution.

Quality Products Provider

Our teams are experts in Pump selection, Motor, Drive & controller. We have wide range product such as centrifugal pump, positive displacement pump, dosing pump, sanitary pump, mixer, Inverter, Motor, and Pump Controller

Strong Technical Support

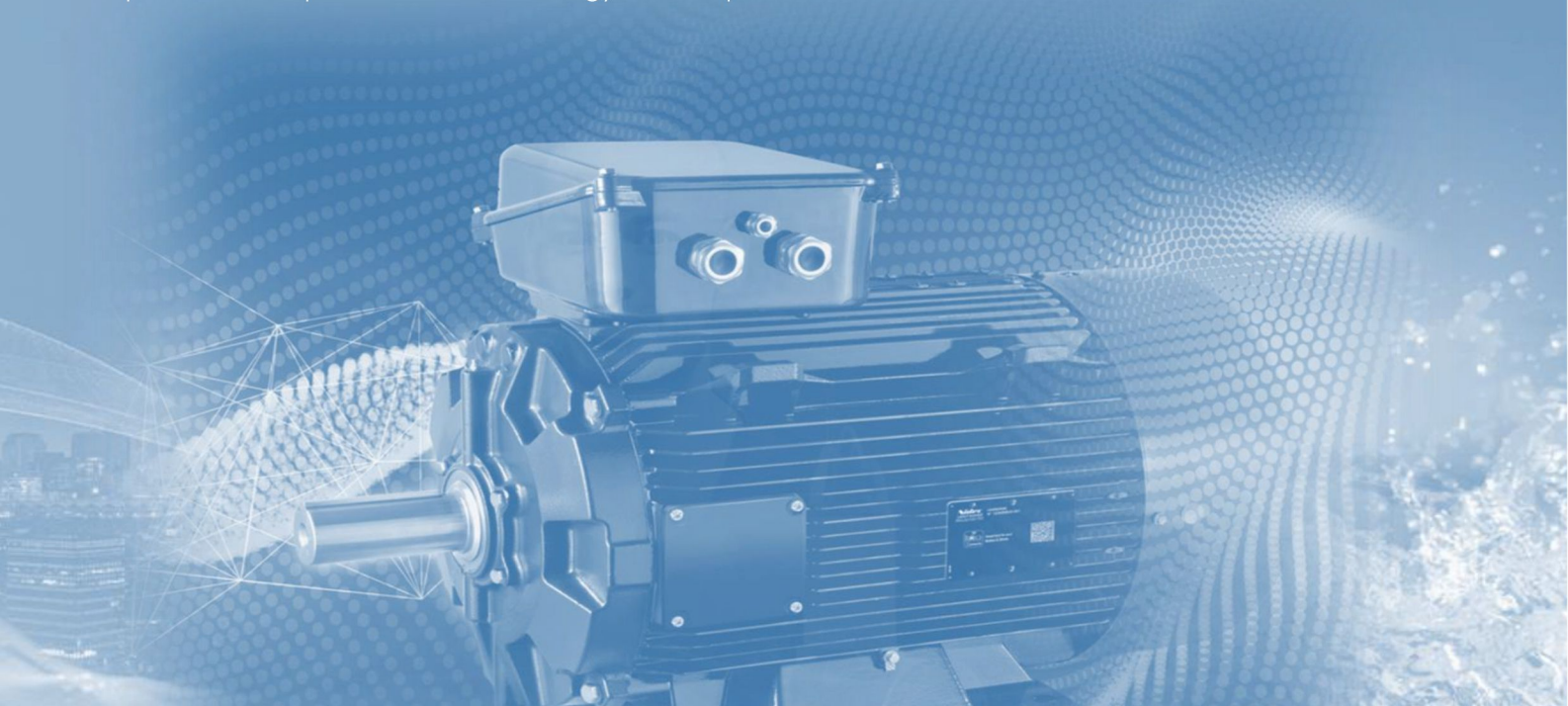
Our specialists stay with you to support all stages of your project & operation, from initial consultation, installation and commissioning, routine maintenance, repairs, replacements, or Service Contract.

Service & Repair

We are ready to handle and take care of all your operation & maintenance needs such as repair, replacement, or servicing needs with expertise and efficiency, and helping you get your operations up and running with minimal downtime.

Optimisation & Consultancy

It is our specialist to give your pumps a check such as pump & energy check, Pump audit, and careful calculation of Life Cycle Cost of Pump Systems, and helping you decide when a pump system should be Optimised or replaced to reduce energy consumption.



We do promise you to provide:
Best Quality Solution, Competitive Price, and Dedicated service

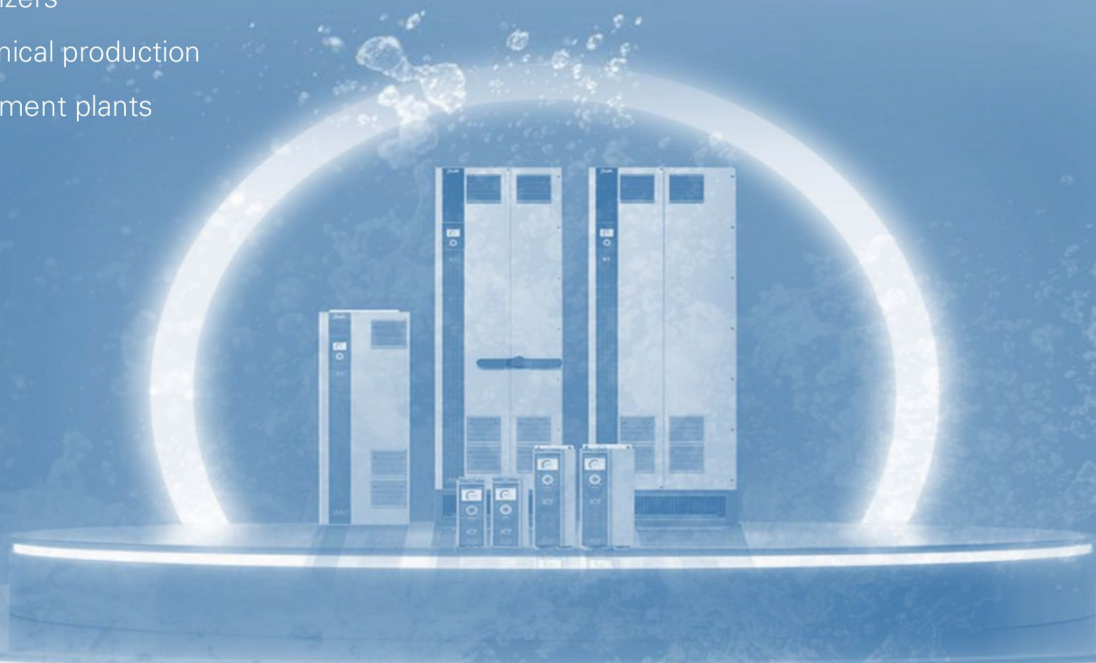
MANUFACTURING & INDUSTRY

To handle fluids in the process manufacturing with varying levels of viscosity and minimize downtime, pumps in the manufacturing industry have to be heavy-duty, energy-efficient, and extremely long-lasting.

Our heavy-duty motor with latest technology in motor not only to provide high reliability and unrivalled performance, simple and interactive commissioning, but also provide highest energy efficiency level (IE5).

With these factors in mind, Torsa Rekadaya prepared a range of high-quality industrial pumps and easy maintenance, each designed for specific applications and with unique capabilities.

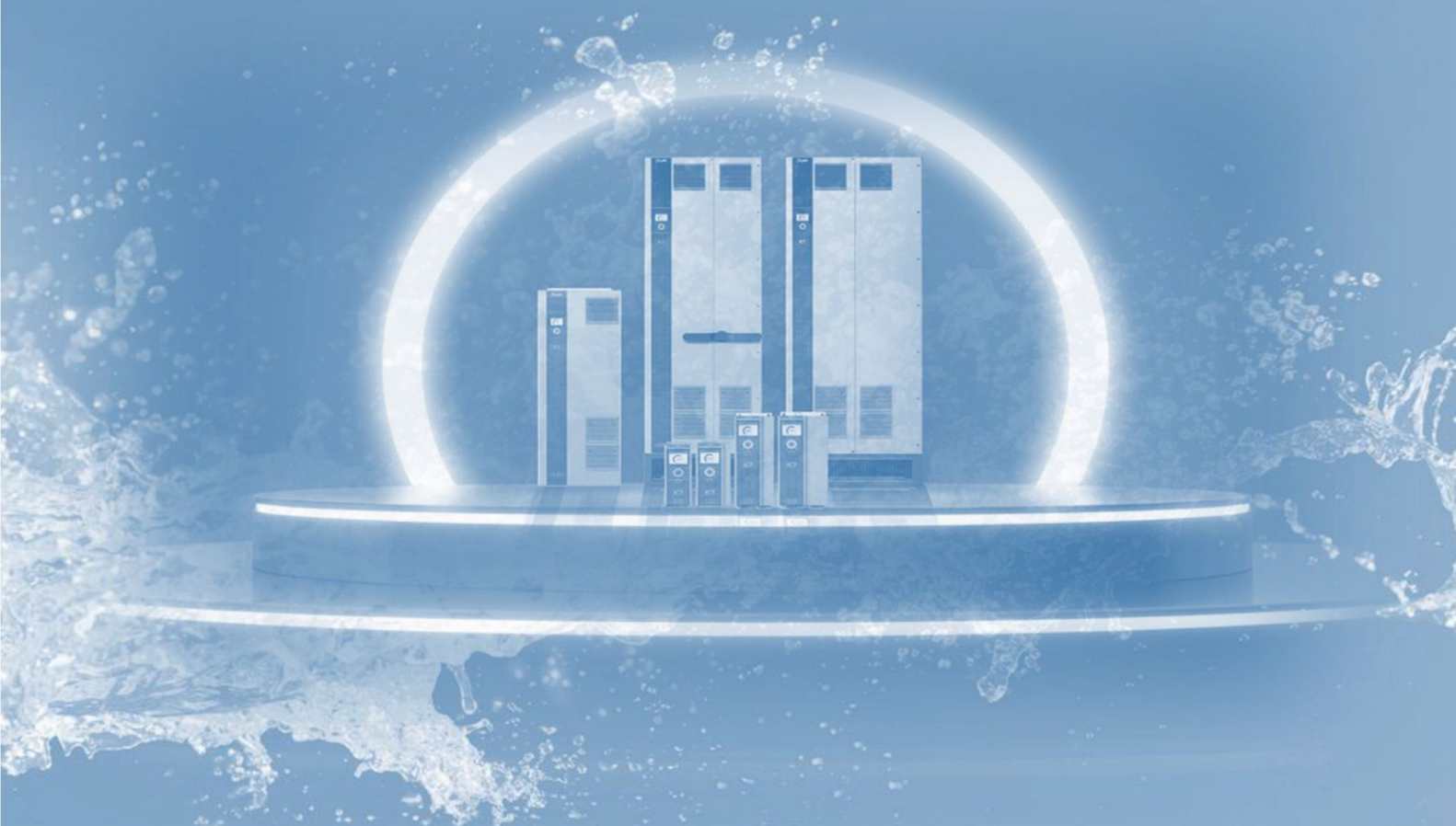
- Electronics
- Mobility
- Foundries
- Mining
- Power generation
- Food & Beverage
- Pulp & Paper
- Oil & gas
- Textile
- Fertilizers
- Chemical production
- Treatment plants
- etc



WATER UTILITY & INFRASTRUCTURE

we provide you sustainable, intelligent, and optimised pumping solution for water supply and wastewater challenges without compromising on system reliability or uptime. Our happiness is to help you realise ultimate system efficiency and meet your targets through innovation, high quality, and reliability – and to pave the way to a new water future with you.

- Water Intake
- Water Treatment (SPAM/IPA/SWRO/Desalination)
- Water Distribution /Supply /Transfer (JDU)
- Wastewater Treatment (IPAL)
- Wastewater Transport
- Flood Control
- Irrigation
- Solar Water Solution



Application

Your Liquid Handling Application & Energy Efficiency Solutions

WATER INTAKE / SUPPLY / TRANSFER



TORSA offer a complete portfolio of pumps, Motor, Drives, and Pump control for water supply, whether the source is a well, mains or a river or lake, and no matter the quality of the water.

Product:

- | | | |
|---------------------|---------------------------------------|---------------------------------|
| ■ Submersible pumps | ■ Single-stage standard pumps | ■ Multi-stage centrifugal pumps |
| ■ Wastewater pumps | ■ Flood control pumps | ■ Motor |
| ■ Control Panel | ■ Connectivity & frequency Converters | ■ Valve |

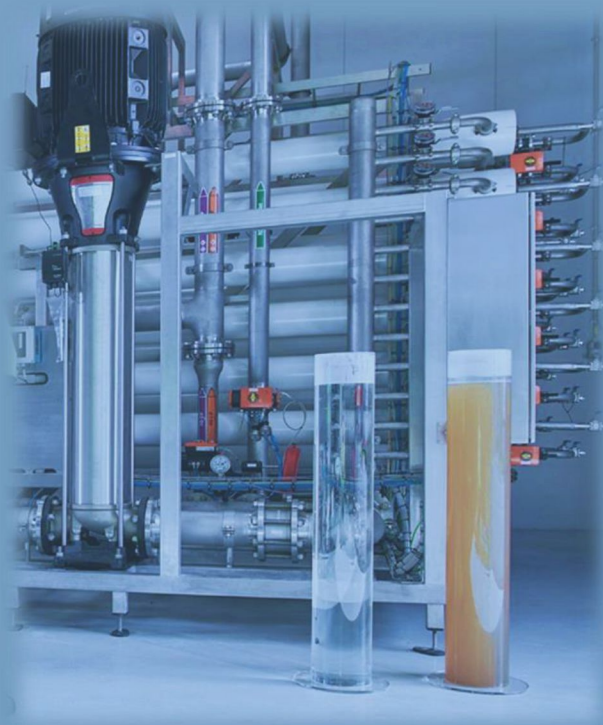
WATER TREATMENT

TORSA offer an extensive range of water treatment pumps & Valve solutions for the entire water treatment cycle from intake and distribution to handling of wastewater.

Our product solution offered like pump, dosing and disinfection solutions have been designed to meet every demand and comply with regulations.

Product:

- Single-stage standard pumps
- Wastewater pumps
- Flowmakers
- Dosing & Disinfection
- Valve
- Multi-stage pumps
- Mixers
- Aerator
- Control & Panel
- Motor



WASTEWATER TREATMENT & REUSE

Handling wastewater in industrial applications is crucial part of industrial water solution, and pump play a key role in every application. Wastewater pumps need to be efficient, reliable and intelligent to handle these changing wastewater qualities.

You also need to be certain that the water leaving the system is of the right quality before it enters the sewer or the environment.

TORSA offer efficient, reliable, and intelligent wastewater pump solution to handle these changing wastewater qualities.

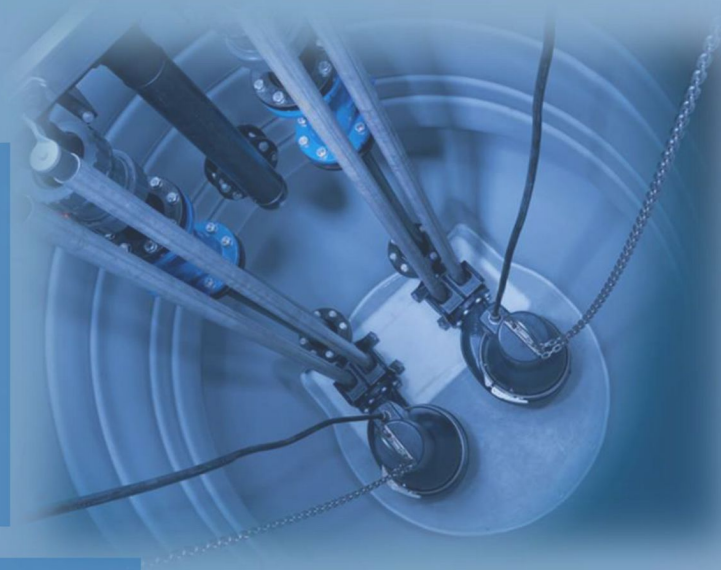


Product:

- Single-stage standard pumps
- Flood Control Pumps
- Aeration
- Dosing & Disinfection
- Valve
- Multi-stage centrifugal pumps
- Mixers
- Ejector
- Control & Panel
- Motor
- Wastewater pumps
- Flowmakers
- Prefabricated Pumping Station
- Connectivity & Frequency Converters

WASTEWATER TRANSFER

TORSA offer a complete range of wastewater pumps to handle wastewater, process water, and unscreened raw sewage in heavy-duty municipal, utility, and industrial applications. The pumps we provide you are built for years of trouble-free operation in the most demanding applications, can be installed submerged or dry, horizontal or vertical, and will in either case be extremely reliable and very easy to service.



Product:

- Wastewater pumps
- Control & Panel
- Valve
- Prefabricated Pumping Station
- Connectivity & Frequency Converters
- Motor

FLOOD CONTROL

FLOOD CONTROL PUMPING is characterised by a requirement for pump solutions with high flow and low head. The axial and mixed-flow pumps for flood control are specifically designed for durable use in pumping stations, harbour management and stormwater tank solutions.

Involve us during the planning stages of the flood control solution to ensure that all aspects are considered, such as pumping station design, retention tank design, pump selection, future requirements, and the total life cycle costs.

Product:

- Wastewater pumps
- Prefabricated Pumping Station
- Connectivity & Frequency Converters
- Motor
- Flood Control Pumps
- Control & Panel
- Valve



SOLAR WATER SOLUTION

TORSA offers a complete line of low-maintenance solar water solution that deliver unmatched flexibility for specific applications.

We deliver a safe, reliable water supply, eliminate energy costs and offer climate-friendly independence from power grids. No matter what the location or application, we can provide a complete, effective and reliable solar solution for water services.

TORSA will guide you how to sizing pumps and equipment correctly, and how to get water from water source like water from the well, river, or pond as efficiently as possible and what is the system requirement for water operation.



Product:

- Solar Submersible Pump
- Solar Surface Pump
- Solar Inverter
- Solar Panel Module
- Water ATM
- Control & Panel

INDUSTRIAL HEATING

We supply thoroughly tested, variable frequency drive-controlled pumps that optimise the boiler feed process. Designed with low NPSH, air-cooled top solution to protect shaft seal in high-temperature application, stable operation with pump curve compensation. we also have capability to send you magnetic drive pump and double shaft seal pump.



Product:

- Single-stage standard pumps
- Multi-stage centrifugal pumps
- Dosing & Disinfection
- Control & Panel
- Connectivity & Frequency Converters
- Valve
- Motor

INDUSTRIAL COOLING

Ensuring the right temperature for machines and processes is essential to production efficiency, reliability, and quality.

TORSA offers pumps and solution equipped with Variable Frequency Drive motor and sensors to create a complete solution that can improve operational efficiency and achieve greater **opex** savings, and reduce water loss

Product:

- Single-stage standard pumps
- Multi-stage centrifugal pumps & systems
- Dosing & Disinfection
- Control & Panel
- Connectivity & Frequency Converters
- Valve
- Motor



CLEANING PROCESSES

Part washing applications are notoriously demanding, as they often use aggressive liquids, high temperatures and high pressures. High pressure demands can be fulfilled with a compact pump design by operating motor at over-synchronous speed. Energy consumption and cost can be reduced by Adjusting the pump capacity to the actual pressure required,

TORSA offer the pump & cleaning equipment that can be installed in a cabinet or fitted on a trolley moved by hand.

Product:

- Single-stage standard pumps
- Multi-stage centrifugal pumps & systems
- High Pressure Pump
- Dosing & Disinfection
- Control & Panel
- Motor
- Connectivity & Frequency Converters



PROCESS FLUID HANDLING

Process liquids are liquids that are used in industrial processes for various purposes. Certain requirements to the pumps or mixer are important to consider when pumping or mixing process liquids such as temperature, viscosity, etc resistance and safety.

TORSA also offer high-performance and reliable pump solutions for medium-consistency liquid such as Chemical pulp, Mechanical pulp, Groundwood, Waste paper, or protein, dairy products, molasses, sugar, fatty acid, etc.

Product:

- Single-stage standard pumps
- High Pressure Pump
- Control & Panel
- Motor
- Multi-stage centrifugal pumps
- Agitator & Mixer
- Valve
- Frequency Converters



ENERGY EFFICIENCY SOLUTIONS

Motor & Drive solution for energy savings and better environment can be optimized by choosing motor with the highest efficiency (ex. IE5), and speed adjustment will considerably reduce power consumption and save on maintenance costs for mechanical components.

TORSA will support you to select the right motor technology to maximizing energy efficiency in your industrial application such as Pumps, fans, compressors, extruders, grinders, and any other application.

Product:

- Induction Motor
- Brake Induction Motor
- Geared Motor
- Synchronous Reluctance Permanent Magnet Motor
- Servo Motor
- Frequency Converters



Brands

Supported Business Partner Brand

We are proud to have worked with and to be a supplier of choice for the following brands:



The scope of Torsa Solutions is not limited to product and solutions presented in this profile.

To see our further portfolio solutions, **Contact us**

Service & Optimization

Operation Services & Optimized Solution

Our qualified technicians are here to handle all your operation & servicing needs with expertise, and helping you get your operations up and running with minimal downtime.

To optimized your pump performance and reduce energy consumption, we dedicated our selves provide consultation and perform energy assessment to your pumping system and how the energy savings & optimisation are achieved

Service Agreement



Commissioning

Repair



Laser Alignment

Replacement



Vibration Measurement

Spare Parts



Thermal Scan

Installation



Energy Check

Inspection



Energy Audit



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