

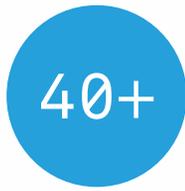
wipro water



**Technology driven
water treatment
solutions**



wipro water



years of domain
expertise



global
customers



projects
executed



industry
segments



million m³
water treated



A LEADING SYSTEM INTEGRATOR

Diverse, technologically agnostic solutions across the water treatment lifecycle from raw water treatment to wastewater recycling and reuse, including zero liquid discharge (ZLD)



A PROVIDER OF CUSTOMIZED SOLUTIONS

Leveraging the latest technologies, developed in-house or co-developed through strategic partnerships for efficient plant performance, operations and maintenance



INTEGRATED SERVICE & SPARES MANAGEMENT

24x7 operations secure availability and stability of critical equipments; highly skilled engineers monitor systems proactively, emboldens customers



ADVANTAGES DELIVERED

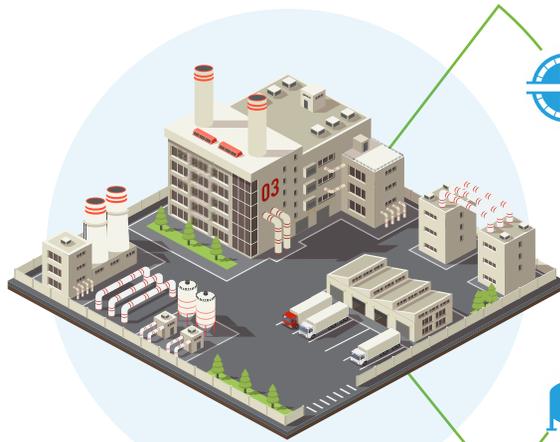
- Pre-engineered, pre-fabricated structures
- Standard capacities ensure fast delivery and quick installation
- Compact - easy to transport
- Best-in-class equipment with easy availability of spares
- Simple to operate, requires low manpower, easy maintenance
- Regulatory compliant

Wipro Water offers an extensive portfolio of treatment processes for the qualitative supply of water for domestic and industrial applications. Covering every need from conventional processes to high performance, technology driven treatment systems, our expertise and knowledge enables us to design efficient water treatment solutions that are reliable. Low-maintenance costs enhance the economic value of the asset over its life cycle.

The Wipro Water range of solutions and services

for Industrial and Residential Applications

INDUSTRIAL TREATMENT



Water Treatment

- Clarification
- Water Softening & Filtration
- Reverse Osmosis
- Demineralization

Wastewater Treatment

- Primary
- Secondary
- Tertiary

Zero Liquid Discharge

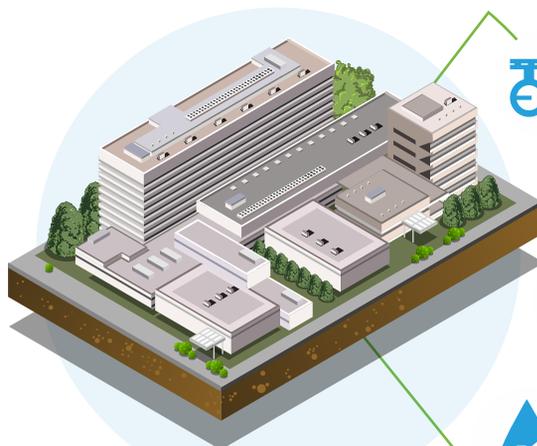
- Evaporation
- Crystallization



SERVICES

- Plant Design and Consultation
- Engineering Procurement Construction (EPC)
- Operation and Maintenance (O&M)
- Remote Monitoring
- Plant Capacity Upgrade/Retrofit

COMMUNITY



Sewage Treatment *

- Primary Treatment
- Secondary Treatment
- Tertiary Treatment

Water Treatment*

- Pre Treatment
- Separation
- Filtration
- Reverse Osmosis
- Disinfection
- Reservoirs/Elevated Tanks

* Skid mounted / packaged solution

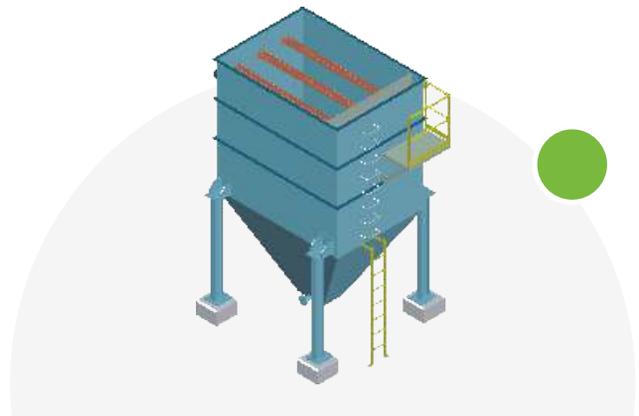
Compact and highly integrated solutions for water treatment

Wipro Water's treatment solutions are designed for purifying and treating water, ensuring the availability of potable water for communities. Our solutions provide water that meets quality requirements for all manufacturing processes and are compliant with regulatory requirements.



Aqua Zeus Advance Disc Clarification

- Disc clarification technology
- Uses less floor space with compact design
- Low maintenance as no moving parts
- Easy and fast installation
- Best suitable for surface water, augmentation of existing clarifier
- Capacity range: 1 – 50 m³/hr source water flow



Tube Settler Clarifier

- Efficiently designed clarification technology which reduces suspended solids and turbidity
- Provides higher settling surface in a small footprint without moving parts
- Non-corrosive virgin PVC, UV stabilized settling media ensures longer life
- Available in MSEP/MSFRP
- Capacity range: 1 – 50 m³/hr source water flow



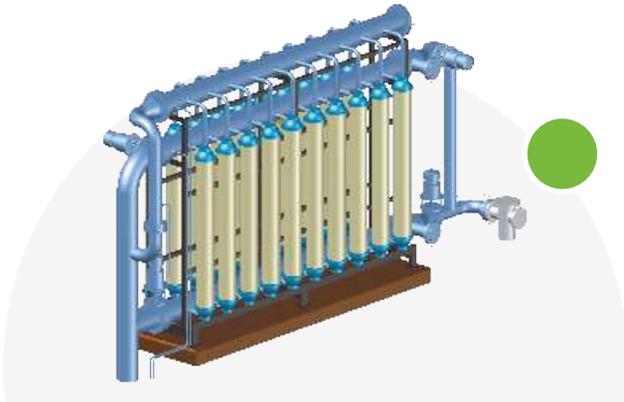
Filters (DMF/MGF/PSF)

- Excellent filtration, uses fine quarts sand/anthracite media
- Removes suspended solids upto 2-5 ppm
- Provides turbidity reduction
- Pressure vessels constructed with non corrosive FRP, with UPVC front piping
- Designed to work at 3.5 - 5.0 Kg/cm² pressure
- Supports low pressure and provides high dirt holding capacity
- Available in MSEP/MSRL material also
- Capacity range: 1 – 50 m³/hr source water flow



Activated Carbon Filter

- Long-life activated carbon with high adsorption capacity (900 Iodine value) for dechlorination, removal of organic contaminants and colour
- Provides consistent treated water quality
- Non corrosive FRP used for pressure vessels with UPVC front piping
- Designed to work at 3.5 - 5.0 Kg/cm² pressure and for feed TSS of < 5 ppm
- Available in MSEP/MSRL material also
- Capacity range: 1 – 50 m³/hr source water flow



Ultra Filtration System

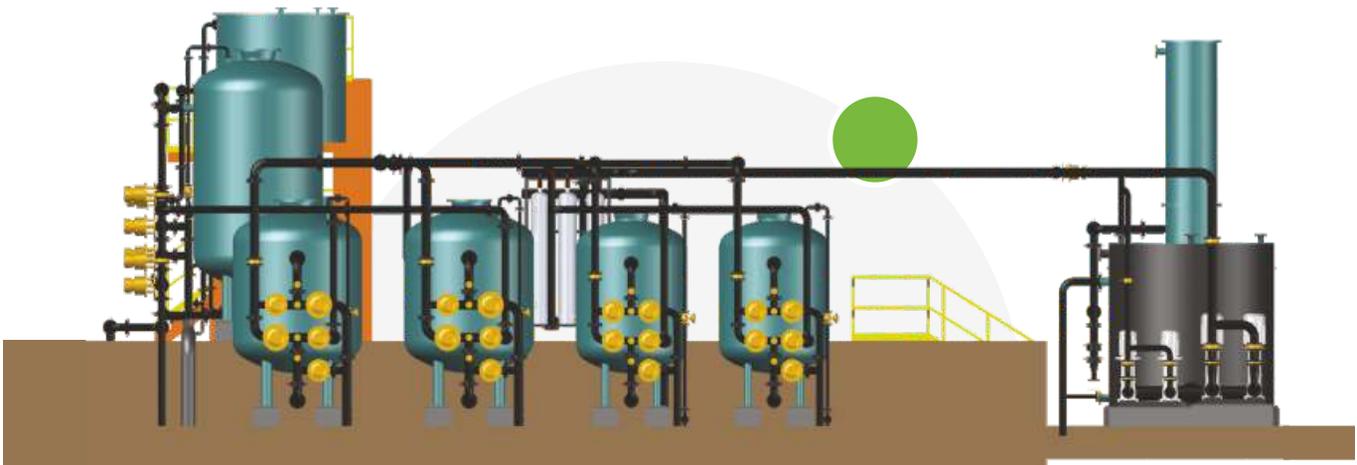
- Advanced water clarification and disinfection in a single step
- Membrane barrier filters all particles over 0.03 μm
- Fully automatic, reliable system, easy to operate and maintain
- Compact skids mounted on a robust MSEP frame
- Capacity range: 2 – 50 m^3/hr treated water flow



Aqua Elegant and Aqua Intel

Reverse Osmosis Package

- Produces low TDS water, free from all water pollutants
- Operates on filtered water 500 - 3000 ppm TDS to produce treated water with 100 - 150 ppm TDS, maintains minimum reject flow
- Uses high-end brackish water RO membrane
- Self-contained, automatic system with built in safety devices mounted on a robust MSEP frame
- Designed for permeate flow of 0.2 – 50 m^3/hr



Softening Plant

- Reduces hardness from filtered water with ion exchange resins
- Resin beads chemically attract unwanted 'hard' mineral ions and exchange them with sodium ions
- Best quality strong acid cation resin handles feed hardness of 150 - 300 ppm (as CaCO_3) in 12 hours of operation and provides <5 ppm hardness output consistently
- Brine tank and ejector system of suitable capacity included
- Non corrosive FRP used for pressure vessels with UPVC front piping
- Available in MSEP/MSRL material also
- Capacity range: 1 – 50 m^3/hr source water flow

De-Mineralization Plant

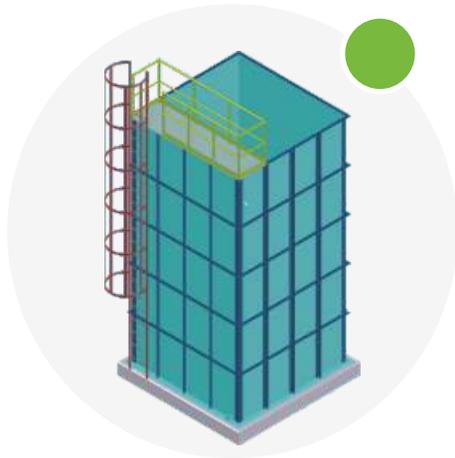
- Generates pure water completely free of dissolved salts and impurities
- Best quality certified resins are used to carry out physical exchange of ions based on their selection
- Self-contained packages available in a wide combination of cation and anion resins
- Pressure vessels are available in non-corrosive FRP/MSRL material with frontal piping, valves and instrument fittings
- Capacity range: 1 – 50 m^3/hr source water flow

Wastewater Treatment

Wipro Water has indigenously developed sewage treatment plants (STP) for meeting stringent treated water quality norms for sewage. Incorporating “Recycle and Reuse” strategies, Wipro has developed its products to help reduce waste and pollution and protect the environment. These plants are available with different technologies and capacities ranging from 5 - 600 m³ per day.

Advantages:

- Compact finish
- Delivers odorless water
- Low power consumption
- Easy maintenance
- Quick installation
- Low operational noise
- Negligible sludge generation



Hydro Proteus STP - MBBR technology

- Advanced aerobic attached growth biological treatment process
- Specially designed, suspended carrier media - Polypropylene (PP), with 25-30% fill ratio, kept in constant motion in the MBBR reactor
- Low power consumption, small footprint, low chemical consumption
- Simple relay based operation with minimal human interference
- Robust system for sewage treatment and reuse for toilet flushes, floor washing and irrigation
- Output: TSS <10 ppm, COD < 50 ppm, BOD <15 ppm



Hydro Azure STP - SBR Technology

- Suspended growth biological treatment process
- Innovative technology from the world leaders in SBR systems
- Provides smooth operation cycles
- Single tank system with auto controlled cyclic operations designed with no moving media or membrane/s inside the tank
- PLC based auto operation with a manual override and optional remote monitoring
- Low power consumption, small footprint, low chemical consumption
- Compact and simple system for sewage reuse for toilet flushes, floor washing, and irrigation
- **Output: TSS <10 ppm, COD < 50 ppm, BOD <15 ppm**



Hydro Triton STP - MBR Technology

- Meets stringent sewage recycling norms
- Avoids long treatment stages
- State-of-the-art design with aerobic submerged membrane technology
- Hollow fiber membranes with pore size 0.4 - 0.04 µm ensure removal of pathogens and bacteria in treated water
- PLC based automatic operation with optional remote monitoring
- Low maintenance, small footprint, low sludge generation, short installation cycle
- Ideal for sewage reuse for toilet flushes, floor washing, cooling towers and irrigation
- **Output: TSS Nil, COD < 50 ppm, BOD <5 ppm with no odour or colour, can be directly fed to an RO system for reuse**

Industries Served



Power



Automobile



Paper



Cement



Personal Care



Chemical



Petrochemicals



Food &
Beverage



Pharmaceuticals



Hotel &
Hospitality



Metal &
Minerals



Steel



Sugar



Textiles

● Wipro Water

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Wipro Water, caters to global clients by providing comprehensive solutions for water and wastewater treatment. Solutions range from raw water treatment to wastewater recycling and reuse including Zero Liquid Discharge (ZLD).

Wipro Water is a division of Wipro Infrastructure Engineering, which is an industrial engineering business with expertise spanning Hydraulics, Aerospace, Water Treatment, Additive Manufacturing and Automation Solutions.

● Regional Offices

- Delhi
- Lucknow
- Kolkata
- Hyderabad
- Chennai
- Bengaluru
- Ahmedabad
- Mumbai



Industries Served



Power



Automobile



Paper



Cement



Personal Care



Chemical



Petrochemicals



Food &
Beverage



Hotel &
Hospitality



Metal &
Minerals



Pharmaceuticals



Steel



Sugar



Textiles

REFERENCE ONLY

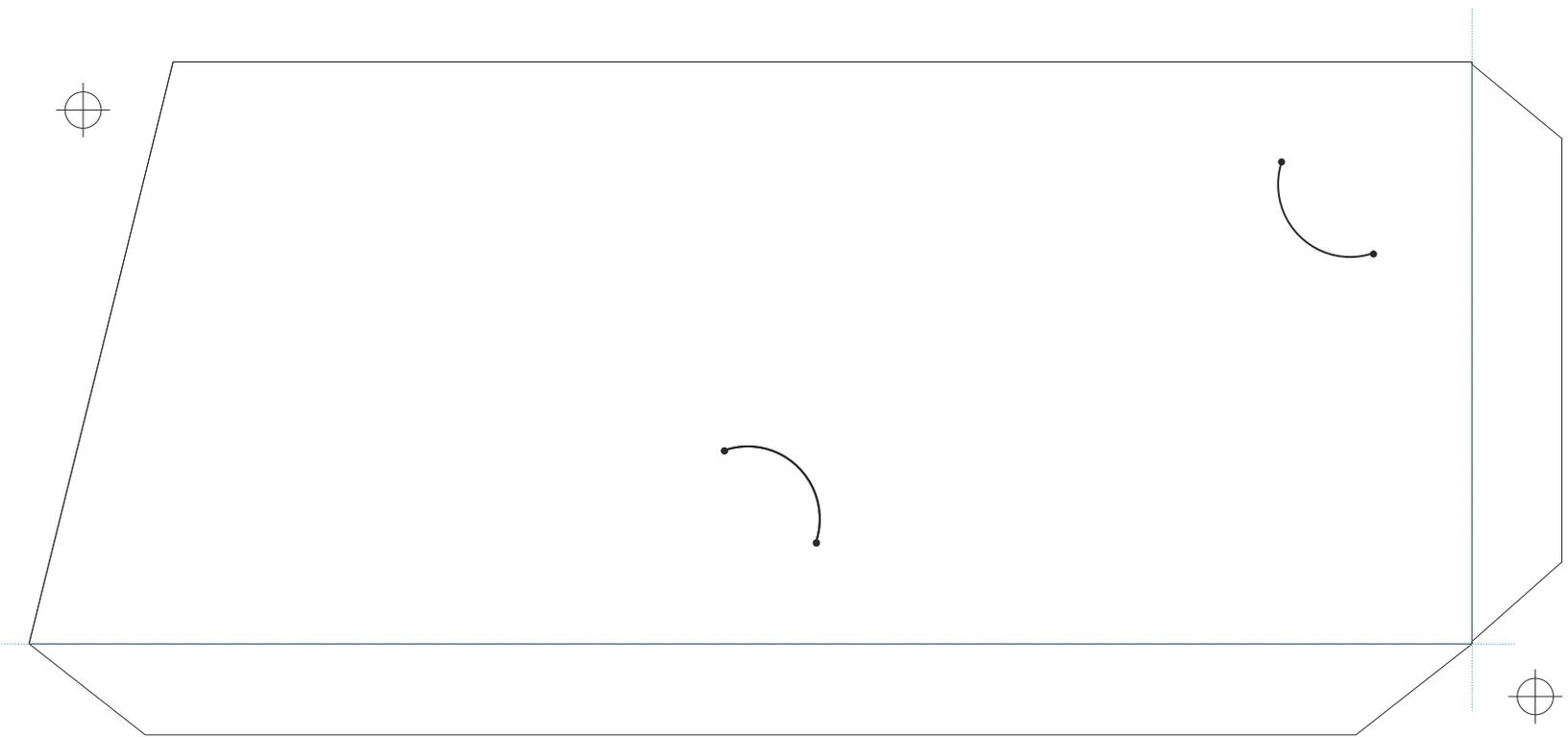
Technology driven
water treatment
solutions



Technology driven
water treatment
solutions



Pocket Artwork



Pocket outline



Technology driven
water treatment
solutions



Pocket shape
pre-pasting-reference/punch reference