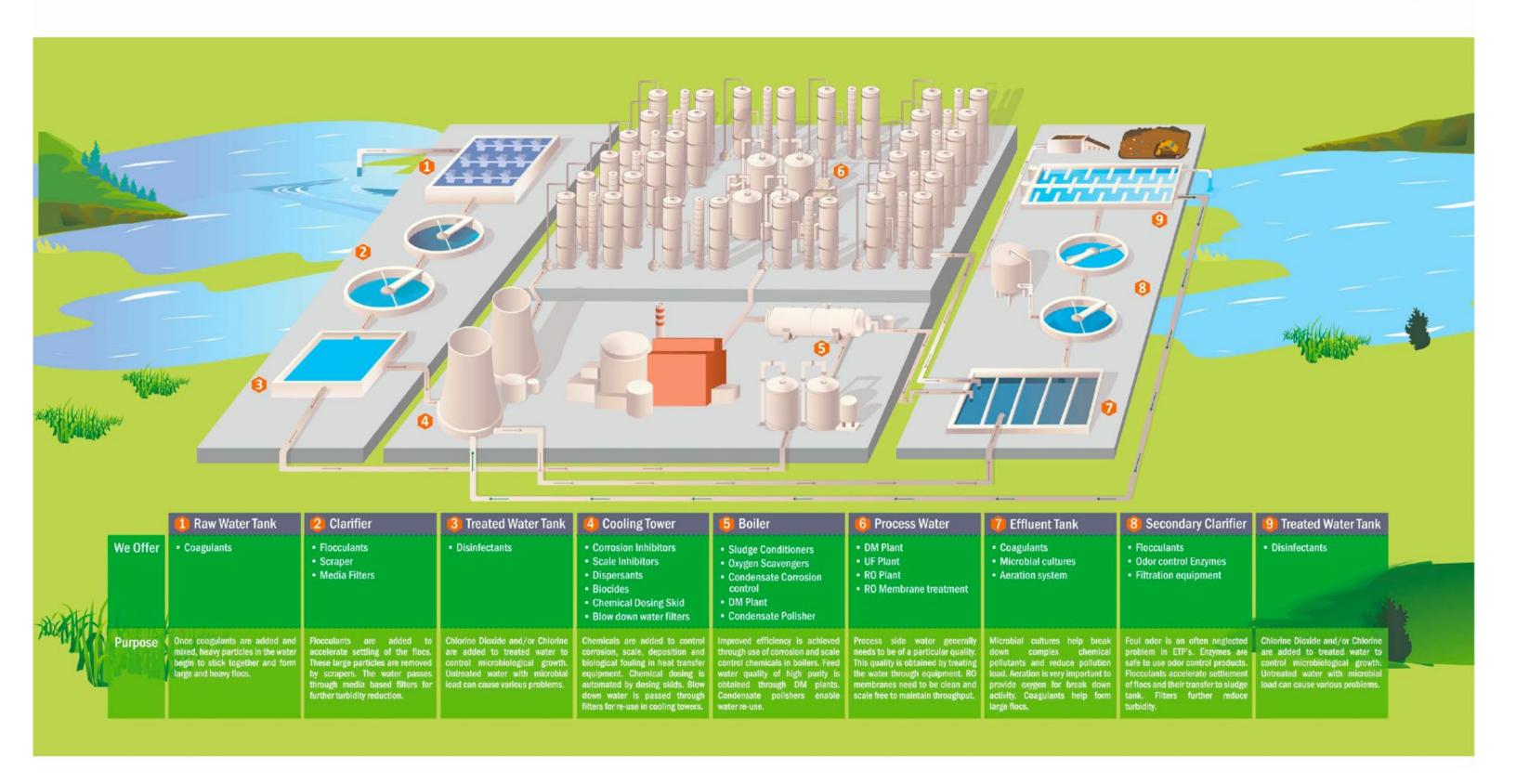


WITH YOU FOR YOUR WATER TREATMENT NEEDS









Chembond Water Treatment solutions offers the complete range for water treatment, encompassing speciality chemicals, equipments and waste water remediation.

CHEMICALS

Cooling Water Treatment

We have extensive range of products for open-recirculating, once through and closed loop systems to deliver:

- Cleaner heat transfer surfaces
- Control general and pitting corrosion
- Scale and deposit control
- · Microbiological fouling control

Chembond proven products and services help to overcome problems associated with poor cooling water treatment programme like:

- Loss of production
- · Unscheduled turn around
- Increased maintenance cost
- · Poor product quality
- · Higher water consumption

Boiler Water Treatment

Principal objective of treating and conditioning steam generating circuit is to prevent scaling, corrosion, deposition and carry over. Chembond water has the right products to overcome the above problems. We offer robustly developed:

- · Corrosion inhibitor
- Oxygen scavenger
- Antiscalant
- pH controller
- Boiler descaling compounds

Raw Water / Waste Water Clarification

Raw water and Waste Water Clarification is an important part of



pre-treatment of source water making it fit for further treatment and use in plant. We offer a wide range of anionic, catanionic and non-anionic polyelectrolyte's with application in removal of turbidity in raw water to settlement of solids in waste water and de-watering of sludge. Our products are proven to perform.

Membrane Treatment

With the wider usage of membranes for water treatment comes the need to protect them from deposition and fouling. If the membrane throughout is to be maintained, in addition to pre-filtration, protection against dissolved salts and organic clogging the pores is essential. We offer Antiscalant, Preservative and Cleaning Compounds to give complete membrane protection.

Specialised Solutions

- Foam Control
- Foaming is generally undesirable as it disturbs production sequences in which liquids particularly water, have an important function as transporting media. Foaming can lead to lower production yields and finished products of poor quality. We offer range of defoamers which have been working successfully in industries such as Asbestos, Sugar, Paper, Dyes, Biotech, Lubricants, Drawing Oil emulsions,
- Drinking Water Disinfection

We offer disinfection technologies to mitigate microbial growth in drinking water ensuring e-coli, coliform and pathogenic bacteria are killed results in clean and safe drinking water. Our products also result in clearer and odour free water.





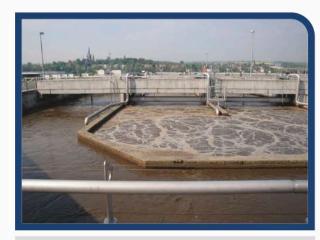
WATER TREATMENT EQUIPMENTS

Equipment solutions for treatment of water are necessary to make the water "fit" for industrial use. Chembond offers equipment solutions for treatment of raw water, process water, utility water, waste water and recycled water. These solutions help achieve the objectives of removal of: suspended solids, dissolved solids, living matter and gases from water.

We Offer:

- Media based filtration systems for suspended solids, odour and colour removal
- Ion-exchange resin systems for dissolved solids removal and water polishing
- Membrane systems for suspended and for dissolved solids removal
- Acid and chemical dosing systems for safe handling of acids and chemicals
- Chlorine Dioxide generators for producing in-situ chlorine dioxide gas dissolved in water
- · Sewage and Effluent treatment plants

We also offer a comprehensive range of services, 0&M plans and spares and consumables for existing water treatment equipment.



WASTE WATER REMEDIATION

Treatment and recovery of sewage and industrial waste water / effluent is crucial. With tightening treated effluent discharge limits, simultaneous pressure on reducing operating costs and the availability of fresh water, comes the need to recover and reuse waste water.

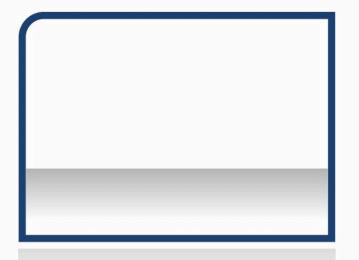
Nature has solutions to most problems. One such solution is application of micro-organisms to break down harmful chemical substances into carbon dioxide and water. However, with concentrated impurities and high rates of waste water generation in any manufacturing plant, it takes an unviable period of time for microorganisms in the environment around us to adapt, proliferate and break down the impurities in waste water

As a result of many years of R&D in this field, we have screened and built a culture bank consisting of organisms that act on specific chemical impurities found in industrial waste water. Chembond offers low-cost, bio-remediation solutions for:

- High COD reduction / removal
- Ammonical Nitrogen and Nitrates reduction
- Phenol Degradation
- Oil and Grease removal
- Odour removal and control
- · Hydrolysis of Biopolymers

Using natural processes, bio-remediation transforms pollutants rather than just treating them. It does so in an acceptable time frame with minimal exposure of workers to contaminants.







SERVICES

FLUX Intelligent System is the first distributed water treatment control system in India that is powered by Artificial Intelligence. It is an evolved version of the conventional DCS and SCADA system. It combines the power of automation with that of machine intelligence to deliver the most optimized results in the industry.

FLUX Intelligent System complements an existing SCADA solution with its intelligent process monitoring and action recommendation. FLUX collects and archives data over almost any communications medium using a wide variety of protocols. There are absolutely no tag licensing requirements or size restriction on the real-time or included historical database, given the system is cloud-based. New field device, data points, collection schedules, and Historical archives can be added and removed on a live system without affecting ongoing data collection and access to other data. Data collection and decision making are decentralized however all data is fed to a common database. Such an architecture retains the benefit of decentralization while utilizing aggregated learning.

Our forte is in developing practical and cost effective solutions for addressing water treatment issues, meeting water quality requirements and in identifying water saving opportunities. Our solution span across industries such as:

- Fertilizer plants
- Petrochemical splants
- Refineries
- Steel industries
- Power plants
- Paper mills
- Distilleries
- Food & beverage industry
- C & I, tyre, automotive industries
- Pharmaceutical and drug industries
- Mining industries



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About Chembond

Chembond Chemicals Limited (BSE: CHEMBOND) is a 40 year old known name in India, manufacturing a diverse range of specialty chemicals like water treatment, polymers, construction chemicals, high performance coatings, animal nutrition's and industrial biotech products.

Chembond Water Technologies Limited symbolizes impeccable industrial water treatment know-how and services. We possess proven capability to provide value-added solutions to diverse industries like Steel, Power, Refineries, Petrochemicals, Mining, Sugar, Textile to name only a few.

We are backed by constantly reinforced expertise gathered in four decades, encompassing chemical treatment, bioremediation, equipment and automated online monitoring systems. This versatility in water technology enables us to provide 'zero liquid discharge' solutions to industries.

Water treatment is our passion - be it raw water or process water from cooling towers, boilers, reverse osmosis, and waste water. Our dedicated team of experts always keeps itself abreast of latest developments in water treatment technology and carries out in-house research as well; to sharpen our competence continually. As a result, we always live up to the customer expectations and provide them high returns on investment.

We value our customers as our most important stakeholders. We understand and value their needs, and we are ever committed to shouldering the responsibility to truly meet the needs.

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