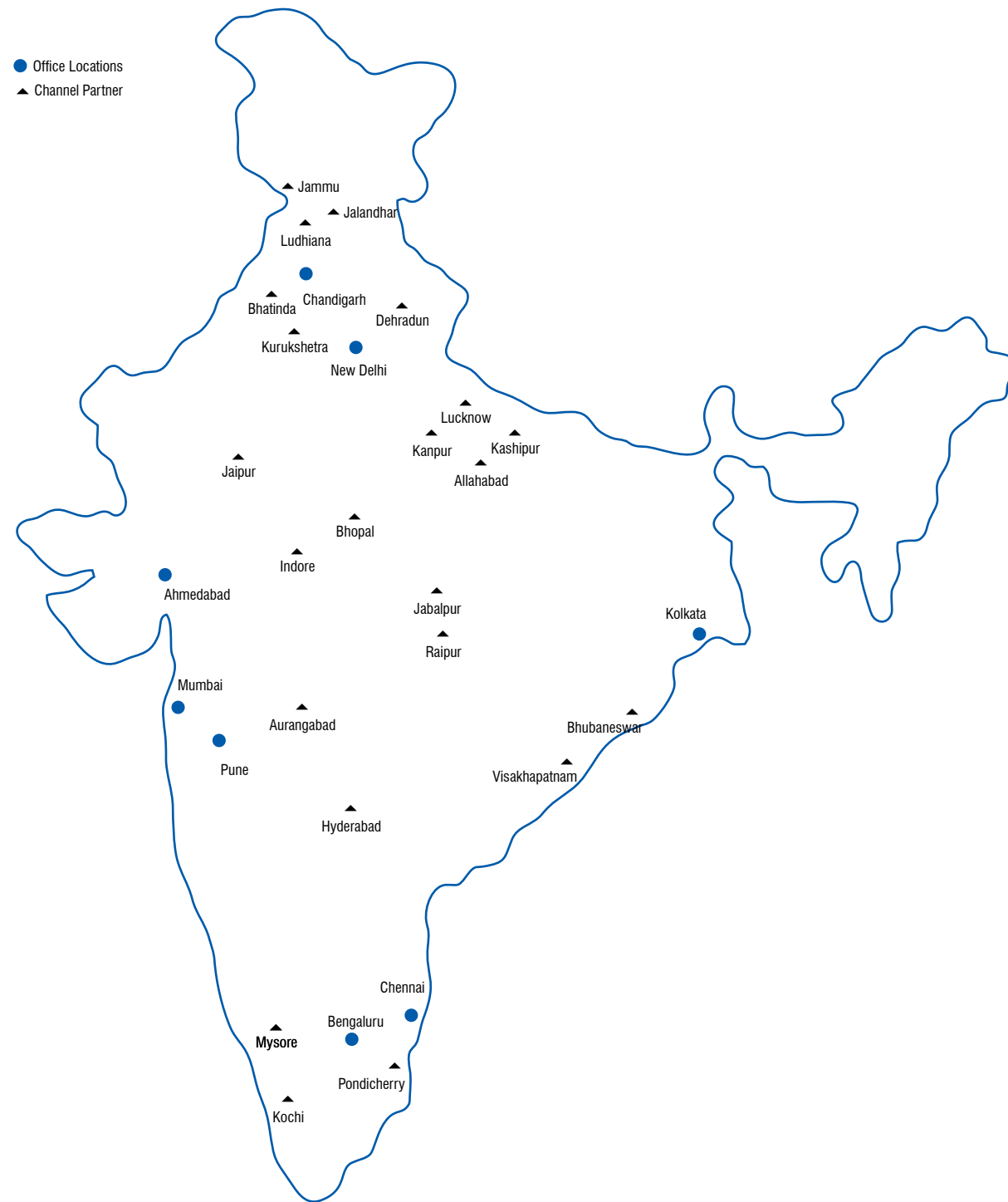


Evolving Solutions for Rice Mills



Total Water Mangement for Rice Mills

India, being the second biggest Rice producing country in the world, is growing manifolds. In this scenario it is vital and inevitable for the industry to standardize the product quality and improve processes involved in production.

Rice Processing in a Rice Mill involves Parboiling as a key process, a hydrothermal treatment method which improves the milling characteristics of paddy, while preserving the nutritional qualities . Ensuring a good quality water for soaking, a process prior to Parboiling, becomes a major challenge for most of the Rice Millers. The amount of water usage is also huge in this process. For instance, the amount of water required for soaking paddy is about 1.3 times the weight of the paddy and about 8 tonnes are soaked in a typical mill per day. Additionally, the process discharges a large amount of wastewater which needs to be treated before it is discharged as it has a high COD (Chemical Oxygen Demand) level and therefore the Pollutant load can shoot up to a large extent. So efficient Water treatment and Wastewater management becomes indispensable for maintaining high productivity in a Rice Mill.

Fontus Water offers technologies to meet all these challenges. We provide integrated water and wastewater treatment solutions to help you improve the product quality reduce operational costs and meet environmental guidelines for your mills. Whether, you are in need of Water treatment systems such as RO, Softener, Pressure Boosters , Wastewater treatment, STP or ETP for your production processes. Fontus Water is one name for customized solutions for all your Water treatment and Wastewater treatment needs.

Typical Installations

Cooling Towers



Problem Areas:

- Scaling & Corrosion
- Biofouling
- High Operation Costs
- High Maintenance Cost
- Reduced Equipment Life
- High Water Consumption

Fontus Solutions

- Reverse Osmosis / Demineralization
- Softening & Filtration
- Recycling Water
- Chemical Dosing & pH Controllers
- Chemicals, Consumables & Services

Drinking Water



Problem Areas:

- Foul Taste & Odour
- Dissolved Salts
- Microbiological Contamination
- Chlorine Levels
- Organic Contaminants
- Low Water Pressure

Fontus Solutions

- Reverse Osmosis
- UV Systems
- Filtration
- Ultrafiltration
- Pressure Boosting

Boilers/ Boiler House



Problem Areas:

- Scaling & Corrosion
- Biofouling
- High Operation Costs
- High Maintenance Cost
- Reduced Equipment Life
- High Water Consumption

Fontus Solutions

- Reverse Osmosis / Demineralization
- Softening & Filtration
- Recycling Water
- Chemical Dosing & pH Controllers
- Chemicals, Consumables & Services

Wastewater Recycling



Problem Areas:

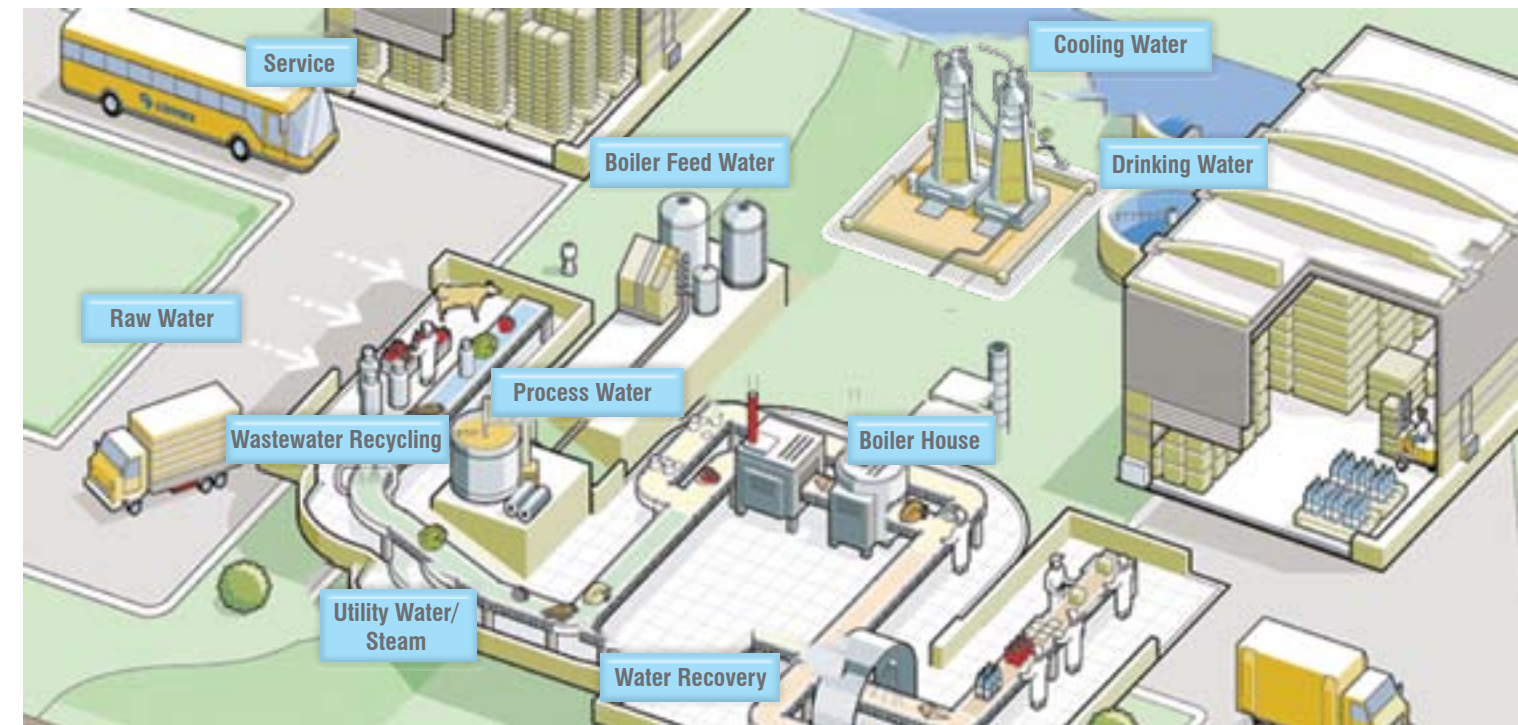
- Wastewater from backwash of Boilers
- Wastewater from backwash of Boiler house
 - DM Systems
 - Softener Backwash
- Wastewater from Parboiling (High COD)

Fontus Solutions

- Recycling Water
- Sewage Treatment Plant
- Effluent Treatment Plant

Our wide variety of Offerings

Water Treatment in Rice Mills



Our Offerings

Projects

Our Range



Fontus Water designs water & wastewater treatment systems tailored to our customer's requirements. With our Advanced Technical Strength, Modern Design Capability and Strong Project Management Skills we are seen as a leading turnkey solution provider in water and wastewater treatment.

- RO
- Softening
- Demineralisation
- Water Recycle
- Filtration
- Pressure Boosting
- Sewage Treatment

Products

Our Range



- Reverse Osmosis
- Softeners
- Filters
- Demineralisers
- Constant Pressure Boosters
- Electrochlorinators
- Ozonators
- Dosing Systems
- Water Reuse/ Recycle
- Grey water Treatment

Chemicals, Consumables & Services

Our Range



- Water Treatment Chemicals
- Ion Exchange Resins
- Filter Media
- Membranes
- FRP Vessels
- Filter Cartridges
- Housings
- Dosing Pumps
- Operation & Maintenance
- Annual Maintenance Contracts
- Service On-Call

Fontus Service Advantage



- Prompt Customer Service
- Wide Choice Of Services
- All India Network
- Quick Response Time
- Reduced Maintenance Cost
- Water Quality Audits

Some of our Valued Clients in the Food & Beverage Sector

