Refreshing our planet

The world is in a state of modernisation that is destroying the environment. Unsustainable development is eroding nature’s balance and degrading her ecosystems. What our planet needs is a breath of new life, a chance to heal and flourish. At Ion Exchange, we take pride in reclaiming its purity - reusing, refreshing and rejuvenating the environment every day.

As a society, we need to understand that the environment and economic well-being are mutually compatible. This is the change we drive to achieve.

Giving environment a new lease of life. For generations to come.

Our aim is to conserve our planet’s most precious resources - water, air, soil and energy - through 360° solutions. Our holistic approach encompasses planning and managing the supply, quality, quantity and discharge of water. It includes management of solid, toxic and hazardous waste, cutting air pollution and recovering energy from waste.

Ion Exchange is committed to serve every section of society, to improve the quality of life and the environment.

Our vision

‘To be the leader in our business which is so vital to people’s lives and the environment.’

A pioneer of water treatment with a legacy spanning over five decades, Ion Exchange is today considered a premier company in water and environment management, with sales, production and service footprints across the world.

We are one of very few companies worldwide with a complete range of water and environmental solutions. This enables us to offer total solutions for all sectors - infrastructure, industry, institutions, homes and communities.

We serve our markets with a sustained focus on customer satisfaction, technological innovation and dedicated service. Our capability to deliver state-of-the-art technologies with complete technical support makes us a partner you can depend on.
Nature extends her hands towards us. We extend them further to customers.

Hallmarks of Value Creation
Our total solutions capability and thorough knowledge of customers’ processes help us to create substantially superior value.

Multiple Benefits for Customers
- Strategic concept to completion solutions and consultancy
- Single point responsibility enabling customers to focus on their core business
- Environmentally responsible solutions
  - Compliance with regulatory consumption and discharge norms
  - Zero discharge of pollutants through water recycle and recovery of by-products for process use
  - Recovery of energy from waste
- Water security with sustained quality and quantity of water
- Higher ROI with lower overall cost
  - Low water footprint
  - Low cost of ownership
- Superior price performance ratios and process production efficiencies
- Enhanced quality of customer product
- Creative ownership options such as BOO/TO
Empowering a sustainable future. Across industries.

Industries

If we want a sustainable future for coming generations, there is a need to protect the environment and conserve natural resources. We help industries to save their water and energy resources more efficiently and provide solutions that address the needs of each customer. Through quantifiable benefits we have demonstrated time and again that efficient water and environment management is a value investment.

Our comprehensive solutions extend from influent water through treatable and process water, effluent treatment, water reuse and zero discharge waste to energy projects and air pollution systems. We take great pride in providing 24x7 support service that ensures high performance round the clock.
Conserving Natural Resources.

Complementing engineered water treatment, a wide range of customized chemical treatment programmes, boiler and cooling water treatments and flexible programmes ensure optimum plant performance that reflects in the overall efficiency.

Water quality monitoring products ensure accurate analysis of water, essential for maintenance of boilers, cooling towers, softeners and demineralizers. These are available as individual outlets, combination kits and refills.

Nature has been kind to us.
We are returning the favour.

Pollution and increased demand have made good-quality water scarce and expensive. Meanwhile, disposal norms are getting tighter and their enforcement stricter. We provide effective and economical solutions to recycle waste water, which help conserve fresh water, protect the environment and reduce waste discharge while generating savings.

Efficient recycle solutions are designed to yield optimal benefits. For instance, recycle systems are combined with specialty water treatment chemical programmes that reduce water discharge, and state-of-the-art effluent treatment plants are integrated with zero liquid discharge processes. They are backed by comprehensive operation and maintenance services for sustainable results.

Solutions integrate physicochemical, biological and membrane separation processes for optimum water recovery. These include micro filtration, ultrafiltration, reverse osmosis and reverse osmosis systems, membrane bioreactors and advanced posttreatment solutions.
Adding Value to Industry.

The sphere of our influence is not limited to water solutions. Over the years, we have innovatively applied ion-exchange and membrane processes for non-water applications in many industries for product purification and recovery, thus generating value for customers.

Specialty process chemicals for the sugar, paper, ceramics, oil-refining, mining, steel, and textile industries help to increase efficiency and product quality.

Solutions that inspire an environment friendly tomorrow.

Commercial complexes & institutions

Our water and environment solutions extend far beyond industrial horizons, to provide safe-drinking water and a clean environment to hotels, educational institutions, hospitals, railways, and office establishments.

We offer systems for drinking water purification, swimming pool filtration, desalination, water conditioning for utilities, treatment of sewage and recycle.
Our vision for humankind.
A refreshed world.

Communities, urban and rural
In our endeavor to create a healthy environment, we work out to municipalities, public health engineering departments, water supply and sewage boards, and undertake projects for public water supply and sanitation.

Our wide range of solutions for surface and ground water treatment remove pollutants ranging from simple salt to contaminants such as arsenic, fluoride, iron, nitrate, organics and salinity. We undertake turnkey projects on EPC or BOO/BOT basis for water supply and distribution, drinking water treatment, sewage treatment and disposal, sea water intake and desalination, solid waste management and waste-to-energy projects - all backed by operation and maintenance services for continuous, optimum performance.

Restoring nature’s balance.
At every doorstep.

Home Water Solutions
In the exchange, under the Agrotech brand Zero B, provide total water solutions to households to ensure purity of life. Our wide range of user-friendly and effective water purifiers cater to the safe drinking water needs of our consumers. The purifiers and water coolers offered by us are ideal for water conditioning.

ZERO B

Reverse Osmosis Plant for Industrial Water Treatment
Continuous Sand Filter for Surface Water Treatment
Sewage Digestion - Waste to Energy
Sewage Treatment & Water Recycling
Zero B Stainless Tap Attachment
Zero B Stainless Kitchen Mane
Zero B Stainless Kitchen Mane
Zero B Water Filter
Zero B Water Filter
Zero B Water Filter
The earth needs a specialist.
We volunteer each day.

Services
Satisfaction of customers is paramount and to ensure this, we offer a complete range of technical services. These deliver economic benefit and convenience of total solutions, with single-point responsibility.

- Water and environmental consultancy
- Plant and process audits
- Survey, feasibility and pilot plant studies
- Plant rehabilitation, retrofitting and automation
- Operations and maintenance
- Buy/sell/Own/Operate/Transfer (B/O/O/T) projects
- Plans on a fee basis
- Operator training
- Supply of consumables and spares

Innovating for a rejuvenated tomorrow.
The earth deserves a second chance.

Research & development
At ion Exchange, we realize that innovative technologies are vital to address complex problems of the changing world. Our R&D centre constantly works to develop, adopt and improve products and processes. It has numerous patents to its credit and over a hundred products launched.
Manufacturing the environment anew.
With a range of solutions.

Manufacturing facilities
We are committed to built-in quality, achieved by stringent quality assurance systems and state-of-the-art production processes. Our manufacturing practices follow the highest standards of safety and quality, including ISO 9001: 14001 and OHSAS certification. Our pharmaceutical-grade manufacturing facility is USP F8 compliant and WHO-GMP certified.

- Ion exchange and specialty resins
- Water treatment and specialty process chemicals
- Chemical blending
- Membranes
- Fabrication of plants
- Assembly and testing of custom-built plants before shipment

CSR.
Spreading Happiness.

Success tastes sweeter when it’s shared

Ion Foundation endeavors and facilitates change towards building an inclusive society in a responsible and sustainable manner. Founded in 2010, it has reached out to thousands of underprivileged children. Projects undertaken by Ion Foundation focus on education, health, hygiene and environment.
Working towards restoring the planet. Across different segments.

Core Competencies

- The Widest Range
- Process
- Drinking Water Purification
- Water Supply & Distribution Schemes
- Sea Water Intake & Desalination
- Process Water & Liquid Treatment
- High Purity Water Generation & Distribute
- Industrial Effluent Treatment
- Waste Water Recycling & Zero Discharge
- Membrane Processes
- Ion Exchange Resins
- Polymeric Chemicals
- Water & Cooling Water Chemicals
- Process & Plant Acid/Alkali
- Specialty Process Chemicals
- Water Quality Monitoring
- Utility Complex Construction
- Solid Waste Management
- Recovery of Energy from Waste

Equipment & Project Expertise
- Process Design
- Detailed Engineering
- Procurement
- Project Management
- Erection, Plant Testing & Commissioning

Services
- Strategic Water Management Consultancy
- Plant & Process Audits
- Research & Development
- Tradeability & Franco Plant Studies
- Operation Training
- Annual Maintenance & Servicing
- Operation & Maintenance
- Upgrading & Modernising
- Project Financing & BOOT
- Plants on Rental Basis
- Environment Management Systems

Together we are renewing the environment. From every part of the globe.