



CROWN  
PURETECH

**Purity Delivered!**

# **COMPANY** SYNOPSIS

[www.crownpuretech.com](http://www.crownpuretech.com)



**PURITY,  
DELIVERED!**



# KEYNOTE

CROWN PURETECH, is an ISO 9001: 2015, 14001: 2015 Certified Company, and CE Certified Company. We are in a Technical Association with Cwg Water Treatment (P) Ltd., a subsidiary of CwgGmbH – Germany. Crown Filtech Private Limited is our sister concern company having a leading footprint into the market space for more than two decades.

We are a manufacturing and exporting entity for Potable and Non – Potable Water Systems, Groundwater Treatment, Remediation Equipment, Filtration to Recycling Waste Water Plants, Swimming Pools and Wellness Spa, Utility Water Treatment and many other correlated products. We walk at the forefront of the Filtration and waste water industry.

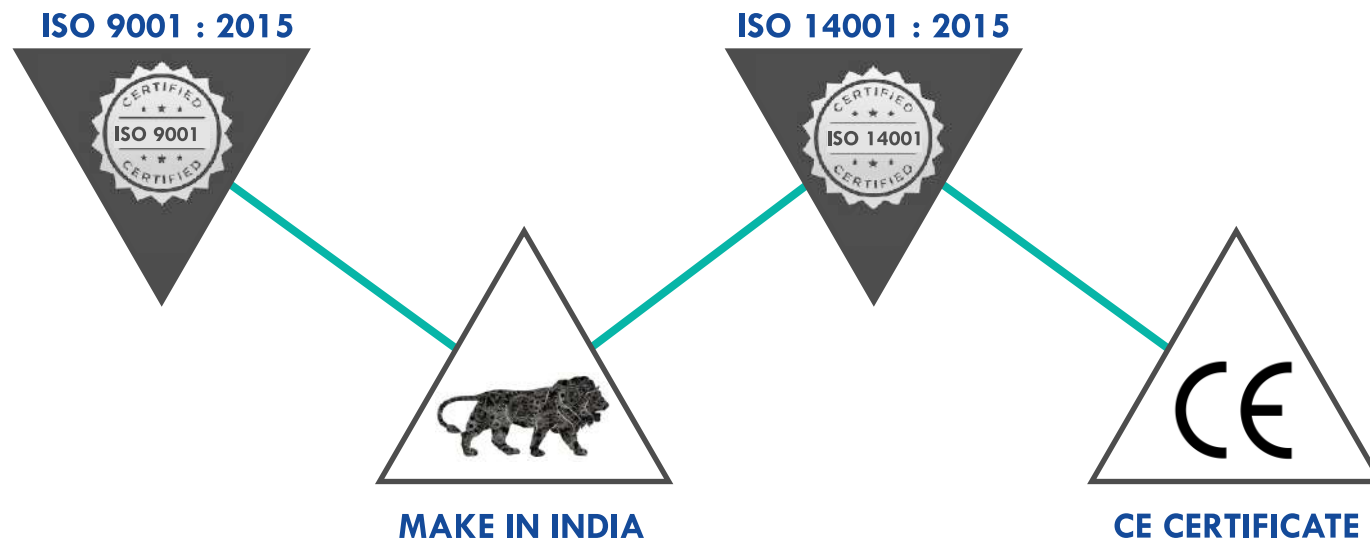
With the corporate office based at Ahmedabad, our branch offices are situated at Gujarat, Rajasthan, thus exploring our horizons in India. Crown Puretech aims to flourish in the sector that concerns water preserving and conserving products.

We specialise as regimen and service provider, also conduct refurbishment, revamping, retrofitting, capacity enhancement, reverse engineering, troubleshooting, annual maintenance contract, operation maintenance contract are our core competency and strength as well.

# CERTIFICATIONS

We firmly believe excellence is not a solo task, it's an addiction. The difference between ordinary and excellent is minuscule. We are committed to strive for customer satisfaction and endeavour towards updating our resources and technology. We thereby offer a state of art mechanism, cost-effectiveness, and innovation. We accredit in sustaining long terms healthy business relations and optimizing competency by working together.

The possibilities that flow with water are abundant. That's why we continuously pursue pioneering innovation in essential and reliable solutions. To grow towards building a cleaner world together, we strive to help customers across the globe to confidently take hold of opportunities.



# BENEFITS OF TREATED WATER

Water filtration provides users with valuable benefits that many don't realize yet. The treated water can be of many uses. For example, the water treatment plant makes the water reusable and safe for human consumption. Besides, industries can reuse treated water to manufacture products and earn benefits

## ENVIRONMENTALLY

Friendly - Compared with water bottles, drinking from your clean water supply means that you waste less water because you'll only get as much water as you can drink from the tap.

## COST

Savings in the Long Run - Households and industries that use their water for processing and operations save a lot of money over time. With Crown's best removal system, you can consume treated water in the best way and manage the cost savings

## AVOID LOSING WATER DURING A CRISIS

Severe natural calamities and periodic maintenance can cause the public water system to shut down for a time. Avoid this by building your advanced water treatment system.

## IMPROVE TASTE & WATER CLARITY

Filtered and treated water enhances the taste of water as well as its appearance. The right combination of chemical solutions and equipment ensures your water is treated properly.

## PRODUCES ENERGY

Water is the source of electricity. Industrial water treatment plant can generate its own power during the treatment process.



# PHILOSOPHY

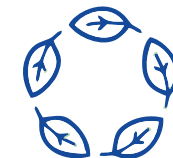
Although water covers about 70% of the Earth's surface, we must rely on annual precipitation for our actual water supply. 20-25% flows into waterways and is not fit for human use. This leaves only 10% of all rainfall available for personal, agricultural and industrial use.

With an increase in population and incomes, water demand is expected to increase. By 2050, India's population is projected to grow to 1.5 billion in 2030 and 1.7 billion in 2050. We are currently at a stage where we are unable to meet existing water demand. The question for the future requisites is altogether wider complication.

In the face of ever-growing water demand, wastewater is gaining momentum as an alternative source of water, shifting the paradigm of wastewater management from "treatment and disposal" to "reuse, recycle and resource recovery".

The water value chain encompasses a broad range of activities. It starts upstream at the water source with the exploration, extraction, disinfection, and distribution of water to end consumers, and flows downstream to wastewater collection, treatment, using greywater for other purposes, providing sustainable waste management solutions and discharge back into the waterways.

**R**  
**ECYCLE**  
**EDUCE**  
**EUSE**  
**EFUSE**



# FOCUS ETHICS



## QUALITY ASSURANCE

We have advanced machining equipment, a rigorous quality control system, a perfect after-sales service system, advanced innovation awareness, and ability.



## EXCEPTIONAL ASSISTANCE

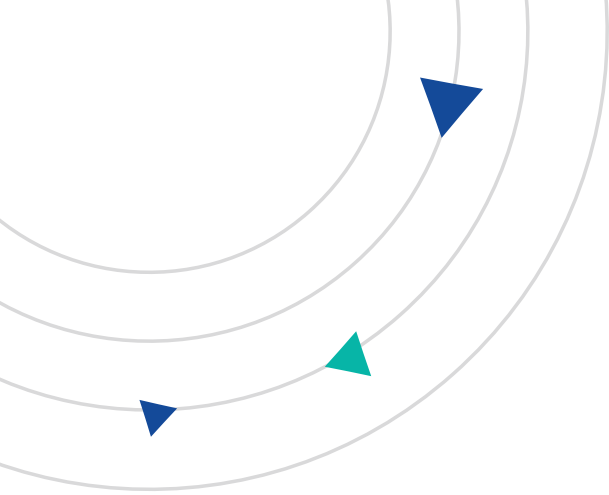
Our core enterprise spirit lies in giving utmost personal attention to each client. We strive on the assurance of giving articles and advice that are reliable and worthy.



## SUSTAINABLE MEANS

We take responsibility for contributing to global sustainability by pioneering technologies that improve the quality of life for people and care for the planet.





**SATISFACTION**  
**TRUST**  
**POSITIVITY**  
**CONVICTION**  
**LOYALTY**  
**COMMITMENT**  
**FEELING**  
**EXPERIENCE**

# MISSION

Build an ace product with revolutionary prices while leading the way for socially – conscious establishments. Cause no unnecessary harm use intellect to instill and implement solutions to the environmental crisis







# WATER FOOT PRINT

Everything we use, wear, buy, sell, and eat takes water to make. Water is a crux of every living or non-living organism. Water is needed and used for practically everything, from household domestic use to industrial and agricultural production What's the Future?

**We need lot of BLUE  
to remain GREEN**

Water footprint is derived from the actual extent of water consumption by individuals. Traditionally it has been quantified into three columns of water use : agriculture, industrial and domestic sector. It is commonly classified as Blue, Green and Grey Water

As the demand for water by 2050 will increase dramatically, people should start reducing the use of it or recycle it or reuse it or refuse it. This is where wastewater comes into the picture. The wastewater system needs to be utilized effectively in the coming years.





## **BLUE :**

This water is sourced from surface or groundwater resources (lakes, rivers, wetlands and aquifers). It is either evaporated (for example while irrigating crops), or been incorporated into a product or taken from one body of water and returned to another



## **GREEN :**

The green element refers to the consumption of water contained in plants and soil in the form of moisture, without being part of any surface or body of groundwater. One example is rain water, provided that it does not stagnate in the soil and is able to filter into the ground.



## **GREY :**

A grey water footprint is the volume of water that is required to dilute pollutants (industrial discharges, seepage from tailing ponds at mining operations, untreated municipal wastewater, or nonpoint source pollution such as agricultural runoff or urban runoff) to such an extent that the quality of the water meets agreed water quality standards



# APPLICATION INDUSTRIES

Water is essential in the production of all kinds of goods and energy, for socio-economic development and for maintaining healthy ecosystems. Crown Puretech provides biotechnological processes or products to purify water for a wide range of applications.

Definiteness of the purpose is the starting point of the achievements. We cater waste water treatment solutions to every concern of the consumer. Our application market shall be each and every set of individual or buildings generating waste water, includes almost everything that consumes water.

Our expert technologies provide a full range of water solutions and services as below for various sectors :

**Educational Institutes and Libraries**

**Food and Beverage Industry**

**Private and Residential**

**Hotels and Resorts**

**Factories and Industrial Estate**

**Power Plants and Cooling Towers**

**Iron and Metal Industries**

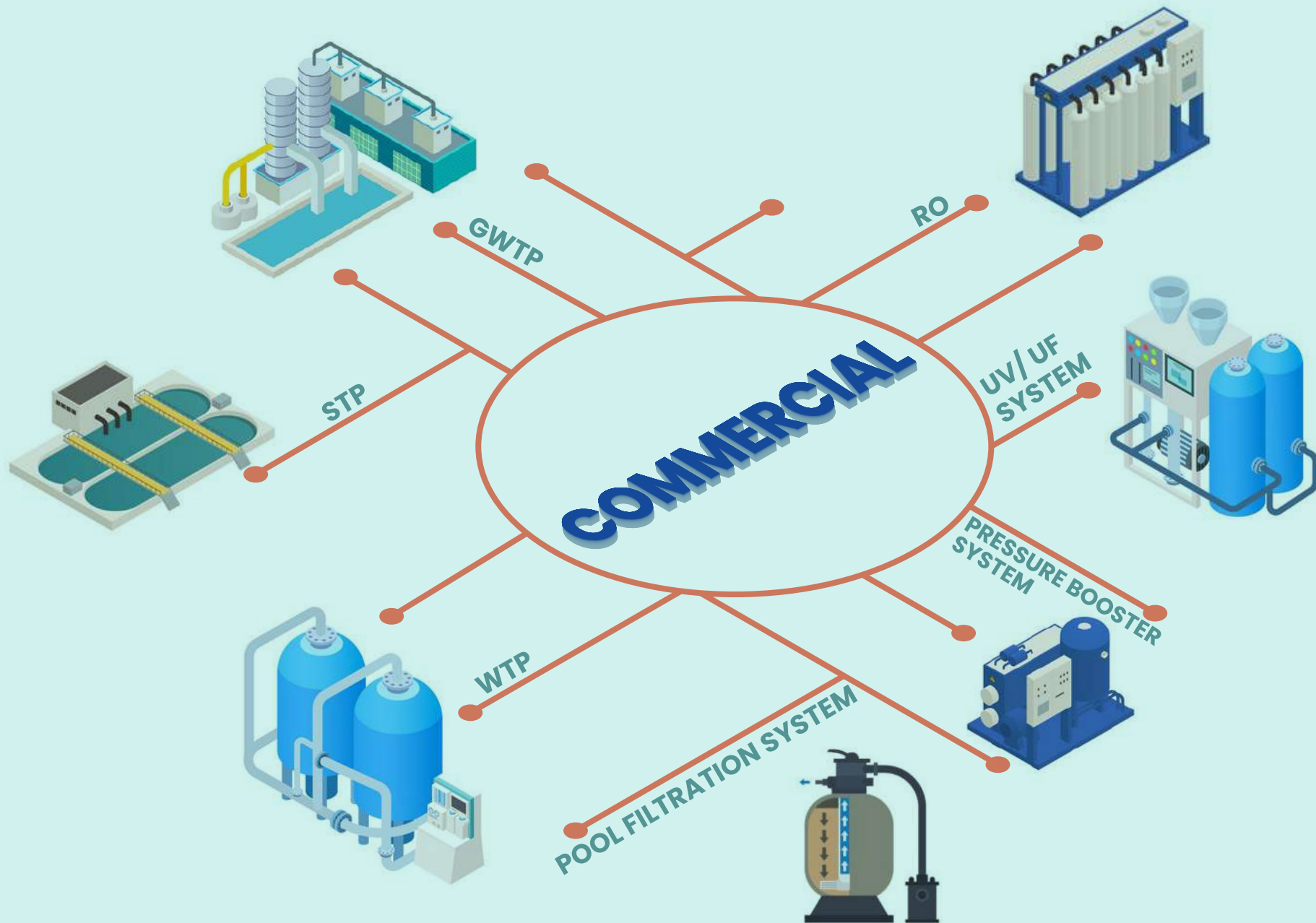
**Agriculture and Fertilisers**

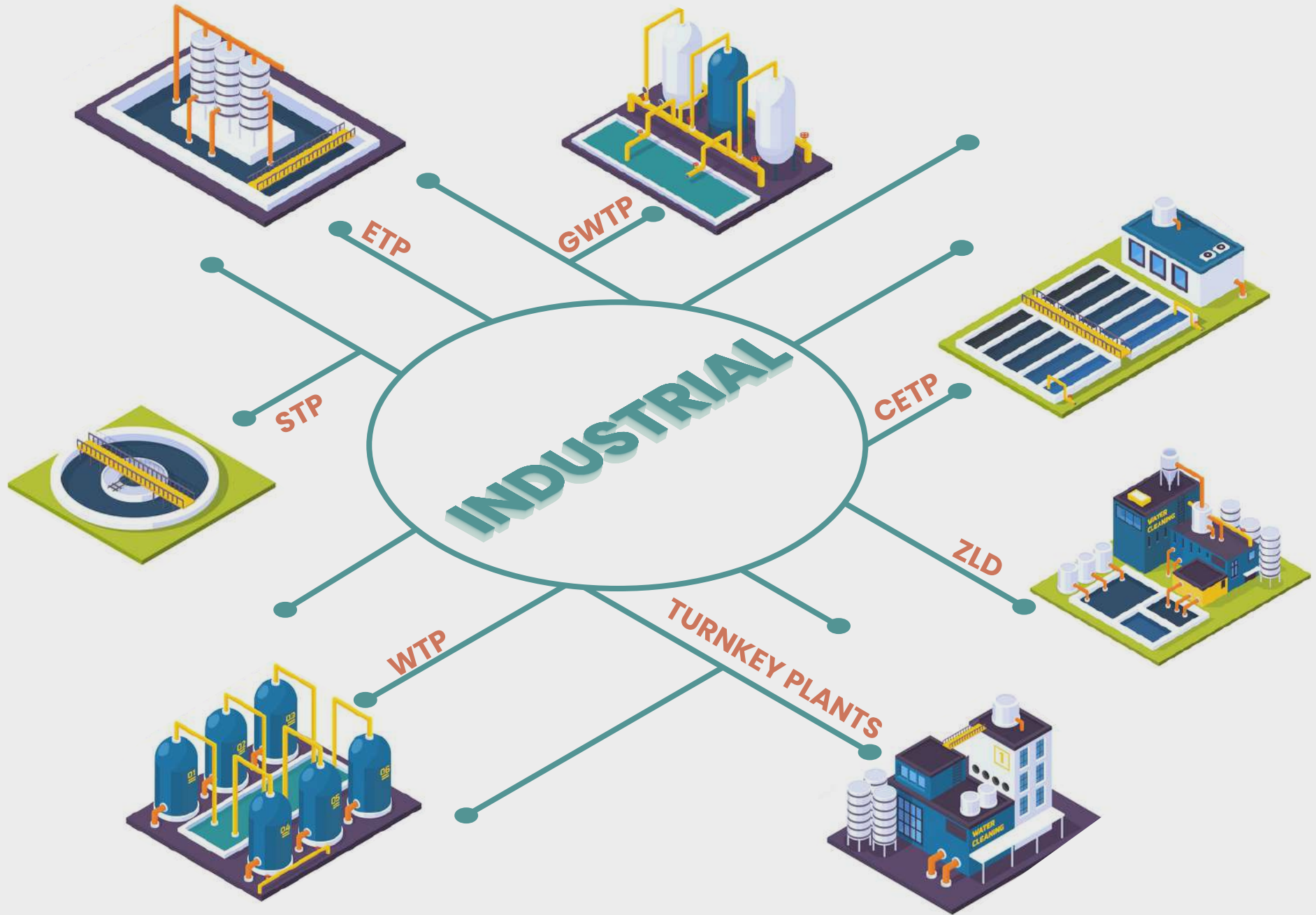
**Laboratories and Research Institutes**

**Rubber and Plastic Industries**





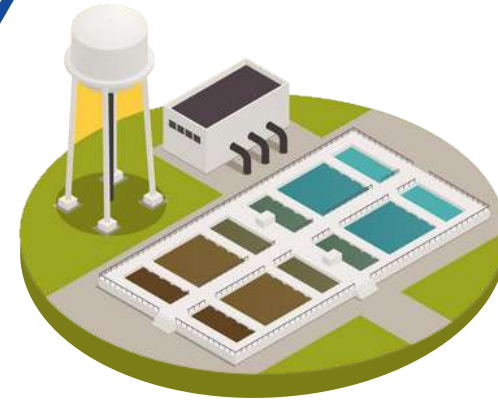




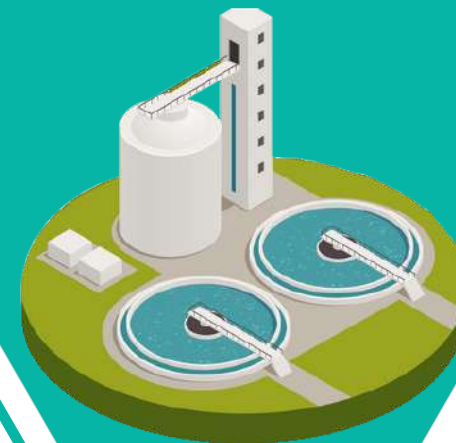


**WATER TREATMENT**

**SEWAGE TREATMENT**



**POOL TREATMENT**



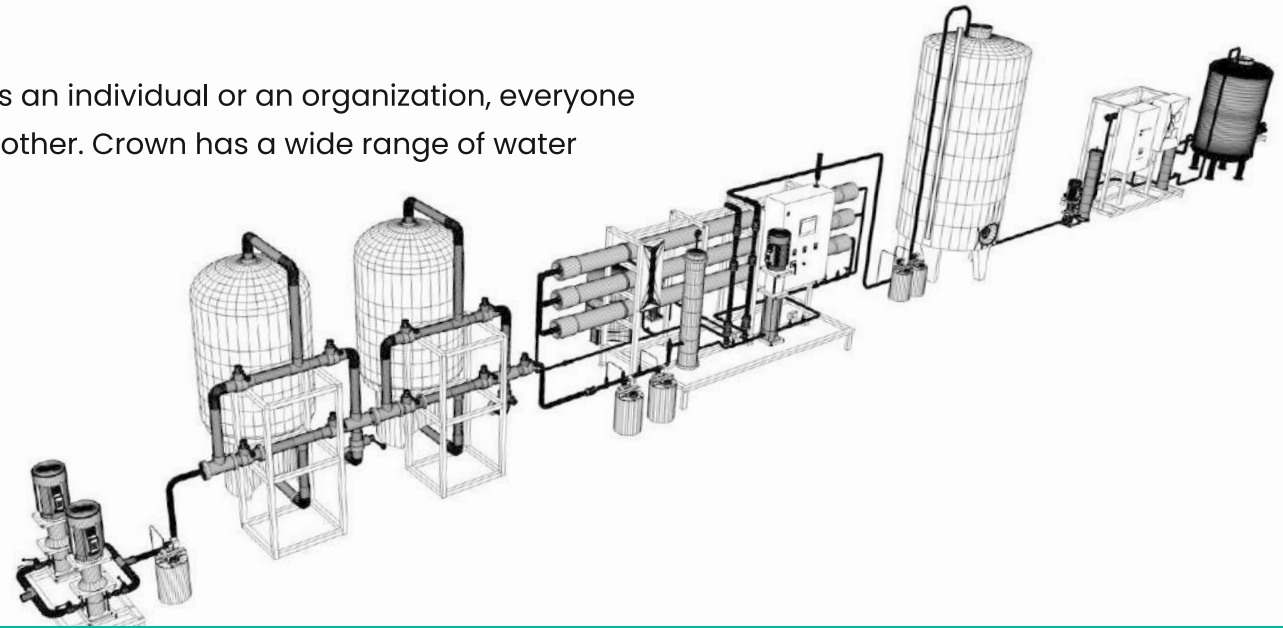
**TURNKEY PROJECT**



# WATER TREATMENT DOMAIN

With the scarcity of Raw water everywhere, the water available is not surface water these days. Surface waters are generally not suitable for drinking purposes. Water cannot be even obtained from borewell due to its limitation of digging deep. Water can dissolve a very wide range of substances, either partially or completely like impurities, turbidity, color, odor issues, etc. It means that water typically needs to be treated in order to be suitable for domestic or agricultural use, or alternatively to render wastewater safe enough to allow it to be released back into the environment.

Recycled water also needs water treatment. Whether it's an individual or an organization, everyone has been consuming treated water in some way or the other. Crown has a wide range of water treatment technologies, meeting the following criteria:



- ⇒ The Technology Can Be Scaled To Large Applications
- ⇒ The Technology Can Be Cost-competitive With Existing Technologies At Large Scale.

- ⇒ The Technology Has A High Degree Of Reliability.
- ⇒ The Technology Can Produce Water That Meets Regulatory Requirements.





## CORE LINE PRODUCTS

## SUB LINE PRODUCTS

- ⇒ R.O. (Reverse Osmosis)
- ⇒ Water Softener
- ⇒ Media Filtration System
  - PSF ( Pressure Sand Filter)
  - ACF ( Activated Carbon Filter)
  - Iron, Fluoride, Anthracite Media
- ⇒ Ultra-Violet (UV) Filtration System

- ⇒ Ultra-Filtration (UF) System
- ⇒ Heating System
- ⇒ Pressure Booster System
- ⇒ De Salination Plant - Sea Water
- ⇒ DM (De Mineralization Plants)

- ⇒ Water Conditioner
- ⇒ Alkaline Water Ionizer
- ⇒ Hydrogen Bottle
- ⇒ Water Coolers
- ⇒ Ozone and Oxygen Generator
- ⇒ Nano / Micron Filters
- ⇒ Ozonizer (Air Purifiers)



# WASTE WATER TREATMENT DOMAIN

Wastewater is a combination of the liquid and water-carried wastes. Its types are Household & municipal water, industrial, agricultural, rainwater inflows, and infiltrated water. Wastewater constituents are pathogens, refractory organics, dissolved inorganics, nutrients, heavy metals, etc.

Wastewater is categorized into sewage and effluent water. Wastewater from residential except toilet water is called greywater. The toilet water is known as Blackwater. Effluent water is discharged from industries which include chemicals, dyes, hazardous material etc.

Crown Puretech has developed an innovative and economical system for waste water. With the help of best-in-class technology and cutting-edge tools, it is believed that the entire biological and chemical requirement goes down and the discharge from sewage and effluent plants provide good quality treated water.



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**Crown Puretech offers a comprehensive range of Sewage, Grey Water and Effluent Treatment Plants, Zero Liquid Discharge Systems that are highly effective in overcoming major environmental problems.**

- ⇒ **Compact, Proven And Flexible Design**
- ⇒ **Reliable And Cost Effective Process**
- ⇒ **User-friendly And Effortless Consoles**
- ⇒ **Consistent And Stable Performance**



# WASTE WATER TREATMENT PLANTS

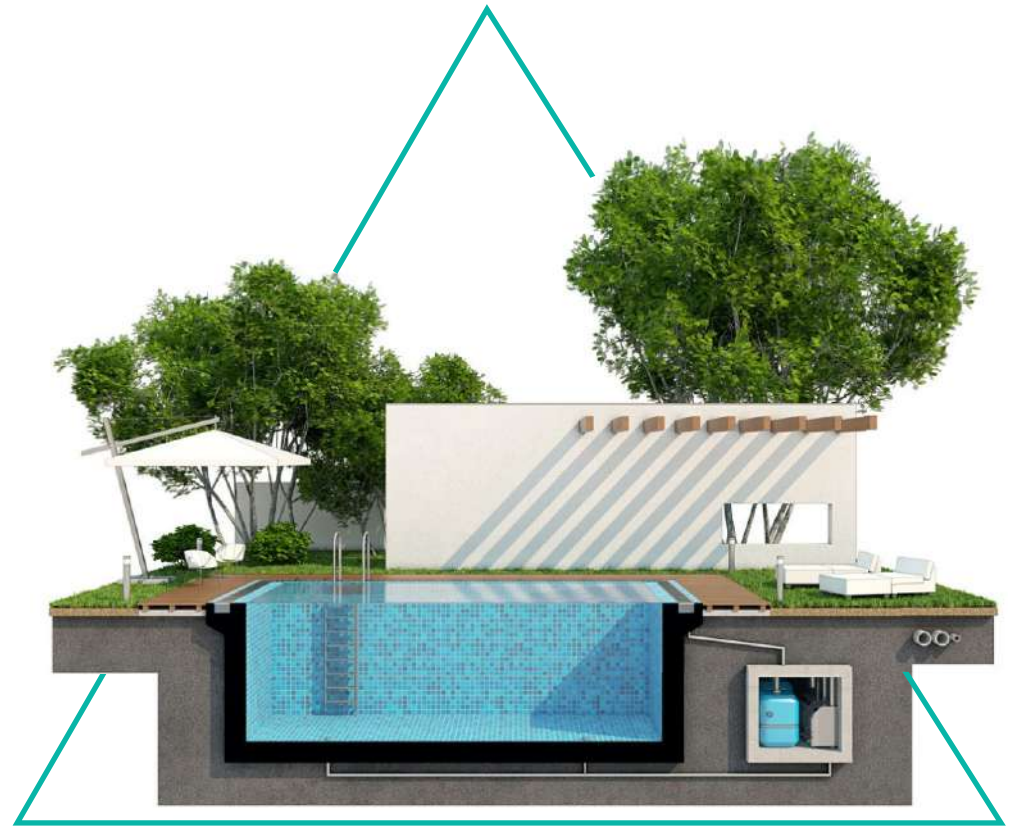
- ⇒ Sewage Treatment Plant
- ⇒ Grey Water Treatment Plant
- ⇒ Effluent Treatment Plant
- ⇒ Common Effluent Treatment Plant
- ⇒ Zero Liquid Discharge

# WASTE WATER TREATMENT PROCESS

- ⇒ MBBR (Mix Bed Bio Reactors)
- ⇒ MBR (Membrane Bio Reactors)
- ⇒ SBR (Sequential Batch Reactors)
- ⇒ EC (Electro coagulation)
- ⇒ CC (Chemical Coagulation)
- ⇒ ASP ( Activated Sludge Process)
- ⇒ Pressure Booster System
- ⇒ De Salination Plant – Sea Water
- ⇒ DM (De Mineralization Plants)



# SWIMMING POOL AND WELLNESS DOMAIN



Swimming pools are places where many people come together. Each person not only carries billions of microorganisms but it also causes organic contamination in the water (skin particles, hair, sweat, ..)

As health is the first priority of every human being, pools should be properly disinfected. Without disinfection the water would quickly have an unpleasant odour and waterborne infections would be transferred from person to person.

People have also dreamt of having a swimming pool at their beautiful homes ,but many times they fear of not being able to enjoy it as much as they want?

Whether building a pool in a residential or a luxurious hotel or public place, Crown will bring the feeling of complete relaxation and cleanliness with the help of ample wellness solutions. Crown uses various technology oriented purification systems instead of harmful chemicals which provides cleaner and safer water to people.



Crown is a one stop solution for your swimming pool which provides the below solutions:

## **POOL AND WELLNESS SOLUTIONS**

- ⇒ Design and Development
- ⇒ Construction and Installation
- ⇒ Analysis and Consultation
- ⇒ Repair and Restoration
- ⇒ Re-modernisation
- ⇒ Operation and Maintenance
- ⇒ Spares and Equipment
- ⇒ Beautification

## **POOL AND WELLNESS CATEGORIES**

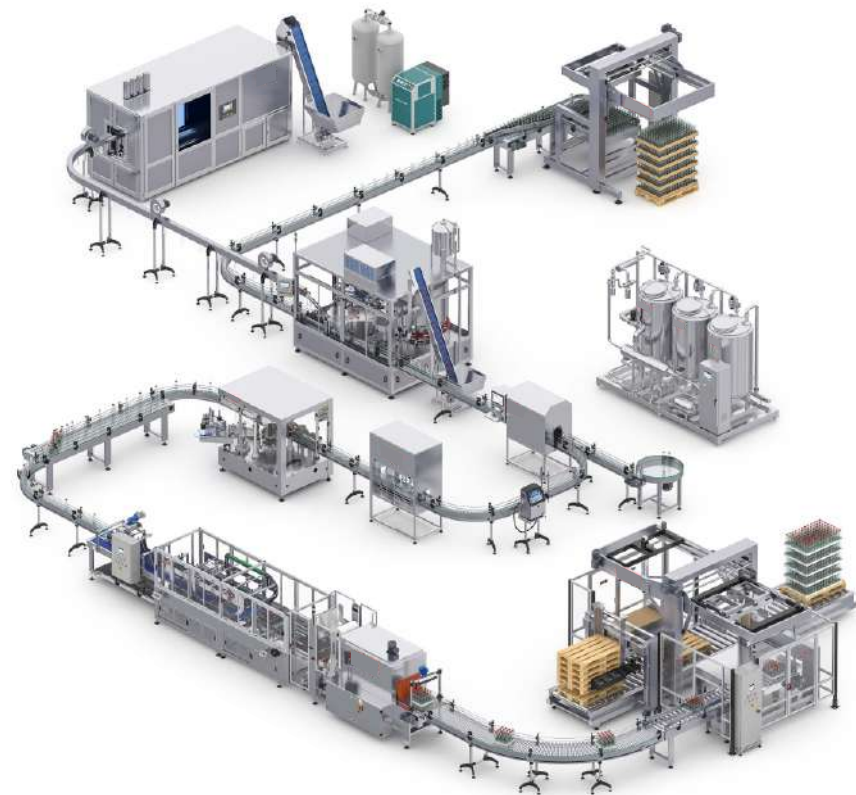
- ⇒ Private, Semi-Public and Public Pools
- ⇒ Fountain and Water Features
- ⇒ Spa and Wellness
- ⇒ Waterbody, Lily Ponds and Artificial Lakes



# TURNKEY PROJECTS DOMAIN

- ⇒ Finding an optimized solution for your requirement
- ⇒ Design planning, according to industry specifications and your demand
- ⇒ Sourcing, buying of suitable equipment – if not available at Crown
- ⇒ Shipping and plant installation at the site
- ⇒ On-site commissioning and training of operator personnel

Water! The very source of life and a vital agent that sustains socio-economic development and biodiversity. Today's burgeoning population, massive urbanization and relentless industrialisation have gravely diminished water resources leading to severe water scarcity across regions. Estimates indicate that the world could face a 40 percent shortfall between forecasted demand and available supply by 2030. We are the architects in the water Industry. Crown Turnkey Services at a glance:





## WASTE WATER TREATMENT PLANTS

Crown Puretech provides a comprehensive service which covers from the initial concept design to the firm implementation of the works. This includes engineering, procurement, construction and operation of sewage treatment plants and effluent treatment plants. Crown provides water chemistry analysis, guidance on FINA and WHO, sizing and process designing, equipment and system designing, civil and MEP Design, Layout and approvals, Construction, Proofing, Tile Grouting etc

## PET BOTTLING SYSTEMS

Crown adopts the best techniques and employs the latest machinery to make PET bottles for all purposes and intent. We provide completely customized Pet Bottles for the Food and Beverage Industry in the form of Mineral water bottles, aerated drinks, any liquid filling bottles including pouches. Crown provides end to end services like: Blow molding: The bottles are molded and designed as per the customer specifications Rinsing, Filling & Capping: The process of rinsing a bottle, filling it from an RO Plant and capping it as per the neck size Labeling: We provide powerful and highly precise labeling with all the details. Batch Coding: We print the batch code, manufacturing and expiry dates, bar codes, etc Packing: We have a shrinkage package machine to pack bulk bottles.



## POOL, WELLNESS & WATER BODIES

In our extensive range of services, we are engaged in offering Swimming Pool Development, Wellness and other Water bodies. Crown provides water chemistry analysis, guidance on FINA and WHO, sizing and process designing, equipment and system designing, civil and MEP Design, Layout and approvals, Construction, Proofing, Tile Grouting etc



# CROWN COMPLETE CONTRACT TREATMENT

Crown offers turnkey wastewater treatment and waste-to-energy solutions to keep the customers satisfied and keep them ahead of the competition. We understand that the decision to invest in on-site wastewater treatment is influenced by several factors, and that's why we tailor the best treatment solution based on each plant's unique needs.



## AGREEMENT

Understanding the requirement.  
Scope of Work. Design Options.  
Confirmation. Payment



## SITE INSPECTION/ FEASIBILITY

Geological survey, Techno-economic suitability, Climate change screening, Flow Diagram, Specific Engineering using Autocad, Paperwork, Design finalization



## PROCURE, INITIATE

Procure materials, Procure equipment, Designing of a water treatment plant, Delivery. Logistics. Construction, positioning of equipment, Supervision of Civil Work



## PROCESS VISUALIZATION

Evaluation, Modification of existing treatment plants, Water chemistry analysis, chemical dosage, aeration requirement, sludge handling requirements.



## TESTING

Testing the plant, Operator training, Follow the guidelines, Testing the water



## OPERATION & MAINTENANCE

Crown manages the operation of the plant, trains the staff, oversees testing systems, Ensure local regulations and environmental guidelines, Ensure compliance with regulatory procedures and reporting practices





# SERVICE AND SOLUTIONS

We design systems to handle the unique challenges of high purity water systems – to meet the specific needs of the plant and the water quality required. It is a fast-track world, and to be able to comply with the demanding situations that may come upon our client's side, we assist them round the clock to effectively sort the problems as soon as they arise.

## OPERATION AND MAINTENANCE

Crown provides cost-effective, open-ended, and reliable solutions for a wide range of water and wastewater products.

- ⇒ **24/7 Supervision**
- ⇒ **Preventive Measures**
- ⇒ **Water Chemistry Analysis**
- ⇒ **Consistent Visits by Engineers for Routine maintenance**
- ⇒ **Technical Team Support**
- ⇒ **Replacement/Repairing of Equipment or Spares**



## PRECAUTIONARY MEASURES

We understand the water chemistry analysis, conduct screening, and take all the necessary actions for better hygiene and purity of water. Through this, we deliver value to our clients

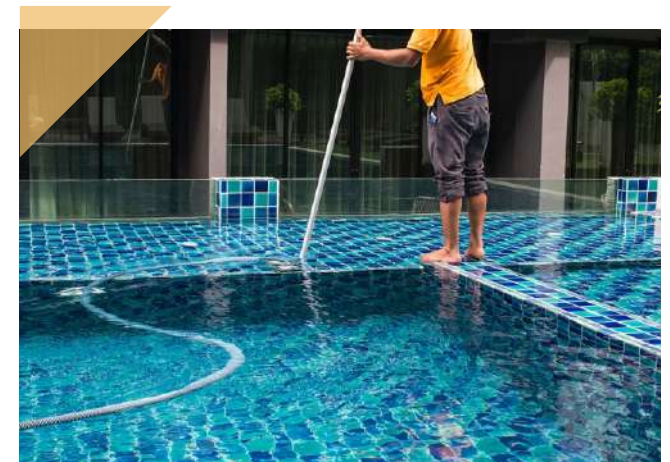
- ⇒ **Inspection of the parameters**
- ⇒ **Building solutions**
- ⇒ **Frequent visits by the expert team**
- ⇒ **Staff Training for operations**
- ⇒ **Discussing and Recommending the improvements**
- ⇒ **Creating awareness on the up-gradation**



## ANNUAL MAINTENANCE CONTRACTS

Our annual maintenance contract takes care of preventive maintenance, the longevity of Components, trouble-free operations, and lower downtime. It also comprises scheduled inspection & scheduled maintenance of the Plant.

- ⇒ **Complain Attendance**
- ⇒ **Routine Monthly Maintenance**
- ⇒ **Checks and Test of Working Machinery**
- ⇒ **Checklist for consumables**
- ⇒ **Preventive Measures**
- ⇒ **Comprehensive Maintenance Contracts**



## RE-MODERNIZATION AND REFURBISHMENT

Crown rebuilds and revamps the existing plant or pool or equipment as per the client's requirement.

- ⇒ **Retrofitting**
- ⇒ **Renovation of complete unit**
- ⇒ **Replacement of new components**
- ⇒ **Adopting new technology**
- ⇒ **Repairs and refurbishment**



## CHEMICAL AND MEDIA

While taking care of the Operation & Maintenance part, Crown also supplies chemicals and filtration media for existing plants such as pools, wastewater and drinking water (anti scale)

- ⇒ **Chlorinated Granules** ⇒ **Sand, Quartz, Anthracite and Glass Media**
- ⇒ **Chlorinated Tablets** ⇒ **Poly aluminium chloride**
- ⇒ **Ph Controller** ⇒ **Polyelectrolyte ( Anionic - Cationic)**
- ⇒ **Crown Shimmer** ⇒ **Sodium Hypochlorite**
- ⇒ **Algaecide** ⇒ **Alum (Ferric - Non Ferric)**
- ⇒ **Antiscalant** ⇒ **Hydrochloric Acid**
- ⇒ **Alkalinity** ⇒ **Bioculture (Anaerobic - Aerobic)**



## CONSULTATION AND DESIGN SERVICES

Crown designs practical, economical and comprehensive solutions that stand the test of time. Crown discusses and provides a wide range of design and construction elements to the owner.



## BOOT ( BUILD, OWN, OPERATE AND TRANSFER)

Under a BOOT arrangement, Crown takes over management responsibility for the planning, construction, and operation of an R O Plant or water treatment plant, all in accordance with the technical specifications stipulated



## LIASIONING WORK

While designing and developing water allied products, Crown also provides consultation on the documentation part where government permissions are involved (BU, ISI etc)



## ONSITE TRAINING

Whether you have a simple system or a high-tech treatment plant, we can help you operate independently and cost-effectively with training for Day-to-day plant operations, maintenance, emergency response plans, etc.



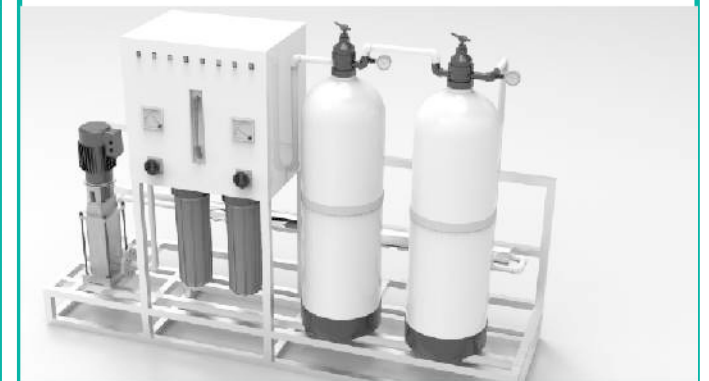
## WATER ASSESSMENT AND AUDIT

What gets measured gets managed. Through our water audit services, we guide the industry in deciding feasible options on reducing water usage, minimizing wastewater generation, and maximizing recovery.



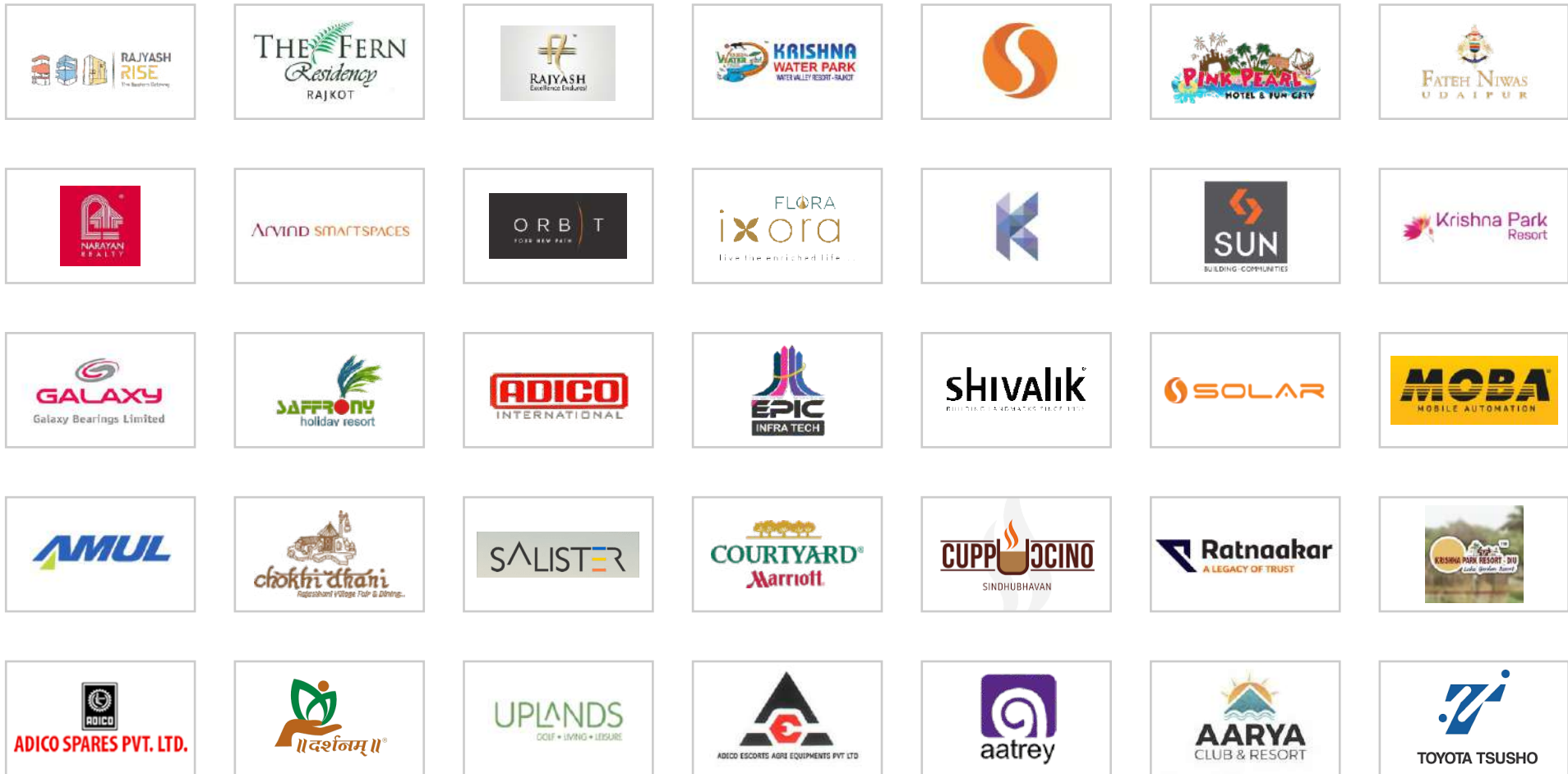
## AUTHENTIC & UNIVERSAL COMPONENTS

Crown provides articles that are cost-effective and high in quality even if they are locally manufactured.

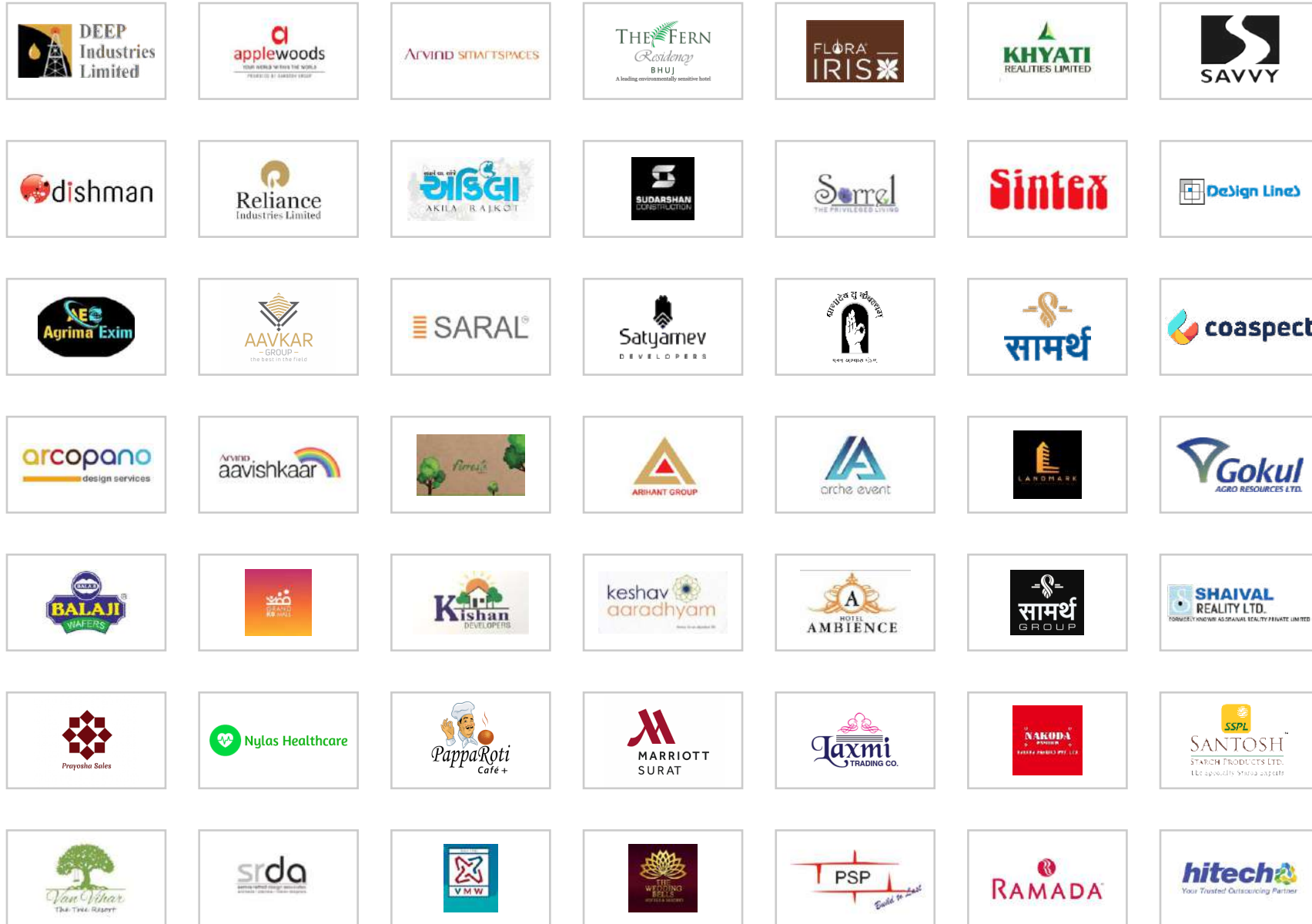


# CLIENTELE

All our customers are our assets and backbone of Crown's existence. Crown Group of Companies complete various projects in their growing journey and whereby we list our few prestigious clients and consumers, enduring towards a journey to join further significant hands. Crown always focuses on business growth. We work closely with a wide range of clients from different sectors and regions across the globe.

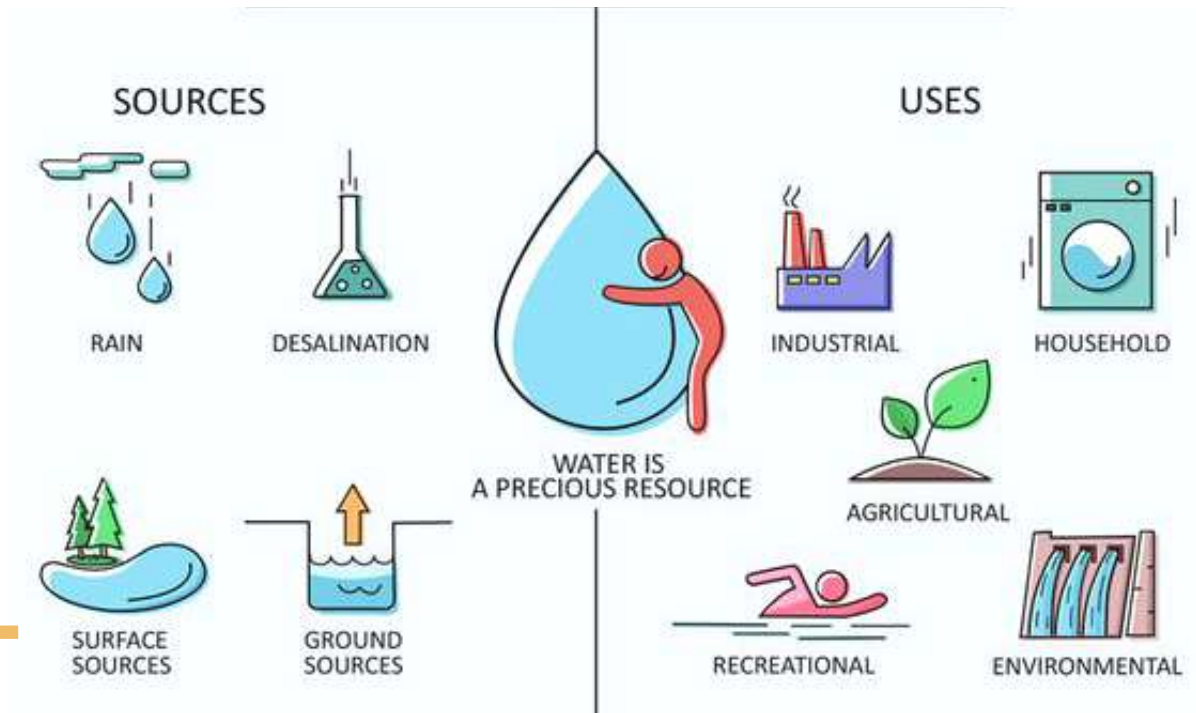


# CLIENTELE



# WATER RESOURCE MANAGEMENT

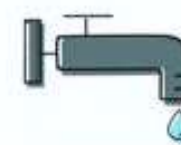
## WATER RESOURCE MANAGEMENT



SHORTER SHOWERS AND BATHS



WATER - EFFICIENT FIXTURES



FIX LEAKING TAPS



TURN OFF TAPS WHILE BRUSHING/SHAVING



RECYCLE AND RECIRCULATE WATER

## HOW TO CONSERVE WATER

FACT: THERE IS NEARLY THE SAME AMOUNT OF WATER ON EARTH AS THERE WAS AROUND A MILLION YEARS AGO



# GROUP OF COMPANIES

Our group of companies are growing from strength to strength. Having a strong Demographic hold, we serve better with a single team. The companies have created a new idiom by being a one stop solution for architects, builders, consultants for elevators and water solutions. Over the course of its existence, this vertical has delivered many successful projects catering to the residential & commercial segments.



## SIGMA GEARLESS PRIVATE LIMITED

Sigma Elevators is an esteemed organisation incepted in the year 1985, operates as an ISO 9001: 2015, 14001:2015, Certified Quality Management System, CE Certified and Trademark Registered Company working in conformance for quality, technology and safety of elevators. The series of customary products include gearless elevators, machine room less elevators, hydraulic elevators, high speed elevators, home lifts, hospital lifts, freight lifts and dumb waiters. Sigma Elevators is engaged in erection, installation, commissioning, testing of a diverse range of elevators and dumb waiters. Also provides maintenance, modernisation, and efficient solutions for pre build elevators.



## CROWN FILTECH PRIVATE LIMITED

Crown Filtech Private Limited is an ISO 9001: 2015 and 14001 : 2015 certified company has been working in the industry for more than 25 years. Manufacturer and importer of membrane based water purification and wastewater plants equipment provide state of art equipment to water treatment dealers and contractors at wholesale price as well as to retail customers at a very competitive price. Crown Filtech has specialised in competitive priced equipment, manufactured from highest quality components for ease-of -use, low maintenance, rugged durability. Water being a finite source of Life, we have been exploring horizons globally by providing truly consistent and efficient filtration systems for many years using comprehensive technologies. With engineering capabilities to undertake large projects, we make continuous efforts to bring the latest cost-effective technology.



## CLUB EXTENSIVE

At Club Extensive - A decade old hub, we render services for corporates where your employees can retain their energy with a small escape to nature from humdrum routine. To entertain and strengthen colleague relations we have several activities and games to offer for team building, leadership skills, organising, objective oriented and problem solving. Let's bring some charm to your regular drill and try exploring a new self with a complete off track detox from the evolving digital era exploring green fields. We also provide facilities of flight booking, train booking and group tour. To cope up with hustling time and let your personnel's arms put at rest where all allied work can be taken care of, Club Extensive is the ultimate option. Every kind of customization relating to tours and bookings shall be entertained and make you reach us again to experience the warmth & aspirational trails.



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