



From Chemicals to Clean Energy – We Build the Future.



OUR COMPANY

ADSD CONSULTING PVT. LTD. is part of ADSD Group based in Noida/Delhi (NCR), India. ADSD Consulting Pvt. Ltd. is the flagship entity of ADSD Group with focus on Engineering & EPC Projects, Supply Chain Business of Chemicals and Activated Carbon Business.

ADSD Group is a reputed and renowned Engineering and EPC Company with expertise in Basic and Detailed Engineering, Project Execution, Project Management, Manufacturing & Fabrication, Site Construction, Erection, Commissioning & Startup for Chemical Process Plants and Industrial Projects. With a commitment to innovation and precision, we deliver cutting-edge solutions that enhance operational efficiency, ensure safety, and drive sustainable growth for our Esteemed Clients. Whether optimizing existing facilities or spearheading new projects, ADSD Group stands as a trusted partner, dedicated to excellence in Project strategic execution.



OUR MANAGEMENT

ADSD Group is promoted by Mr. Satish Kumar, MD & CEO — a dynamic and hard-core Industry Professional with over 20 years of experience in International Sales & Marketing, Manufacturing of Activated Carbon, Project Management and Execution of Large-Scale EPC Projects across Chlor Alkali, Sulphur Based Plants, Energy, Water and Oil & Gas Projects. Mr. Kumar brings remarkable expertise in executing bulk shipments for Activated Carbon, Chemicals, Fertilizers and Commodities — driving ADSD with a global vision to address the requirement of Global Clients.



MISSION

- We are committed to building strong, long-term partnerships with our customers and suppliers globally, ensuring exceptional service, ethical business practices and fostering sustainable growth for all stakeholders.
- To ensure a continuous and reliable availability of our complete product range & services in International & Domestic Market.
- To provide our clients with innovative and customized solutions that enhances their business performance and operational efficiency.



VISION

To become a globally recognized business house by delivering innovative and sustainable solutions to domestic and international clients across Activated Carbon manufacturing, Eng. & EPC Business and Supply Chain business, creating long-term value through innovation and excellence..



CORE VALUES

- Collaboration and Partnership
- Engineering Excellence
- Competencies in Manufacturing
- Reliability, Safety & Sustainability
- Excellence in Application Performance
- Quality & Delivery Commitment



OUR BUSINESSES

ENGINEERING & EPC BUSINESS

ADSD is renowned Engineering & EPC Contractor having core strength in managing and executing the complex industrial projects right from concept to commissioning and handing over by covering all aspects of Project Execution. As an integrated EPC contractor providing end-to-end solutions for large-scale projects right from Technology Selection, Basic Design, Detailed Engineering, Project Management, Procurement and Logistics, Fabrication, Site Erection and Construction, Logistics and Pre-Commissioning, Commissioning, Start-up, Performance Guarantee Test Runs and Handing over the commercial Production.



SUPPLY CHAIN BUSINESS

ADSD is a renowned Manufacturer, Supplier, Exporter & Distributor of Basic & Speciality chemicals and also undertakes the Supply and Distribution of Basic Chemicals, Fertilizers & Agrochemicals, Speciality Chemicals, Mining Chemicals, Polymers & Petrochemicals, Paints and Solvents. The Supply Chain Division has been serving its global Clients from last 18 years with regular shipment of quality products as per the Process requirements & Instengent quality compliances.



ACTIVATED CARBON BUSINESS

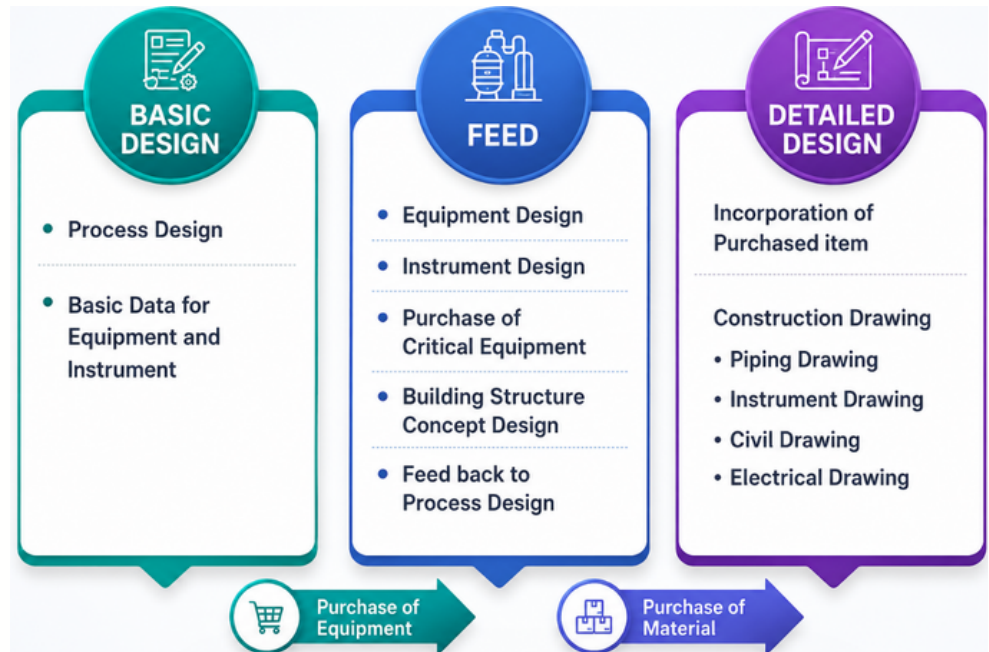
ADSD is a pioneer Manufacturer, Supplier and Exporter of high-performance Activated Carbon and Adsorbent Products, delivering world-class purification and filtration solutions globally. With a rich legacy in Activated Carbon manufacturing, ADSD offers a comprehensive range of Granular, Powdered and Pelletized Activated Carbon serving industries including Water Treatment, Air Purification, Pharmaceuticals, Food & Beverage, Gold Recovery and Oil & Gas. Backed by stringent quality standards and deep global market expertise, ADSD delivers reliable, premium quality Activated Carbon products to its esteemed clientele — from India to the World.



ENGINEERING & EPCM SERVICES

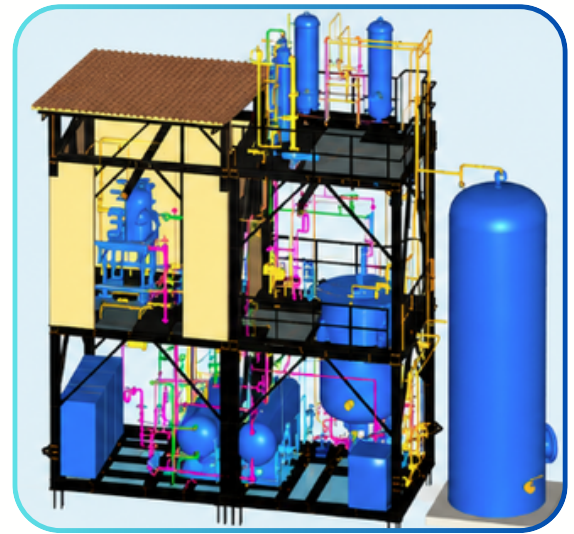
Process Design & Technology Selection:

- A. Feasibility Study
- B. Process Know-how
- C. Market Research
- D. Preliminary Designs
- E. Technology Selection
- F. Process Licensing
- G. Basic Engineering
- H. Process Design Package



Basic Engineering:

The Basic Engineering Design Phase begins with a comprehensive economic and financial feasibility study. From the solutions identified in earlier stages, one or two of the most suitable options are selected for detailed evaluation. This phase includes field studies in areas such as topography, geology, geotechnics, hydrology, and hydraulics. The engineering project defines material unit costs, construction phases, and other technical parameters, with the goal of delivering a project cost estimate that is accurate and realistic.

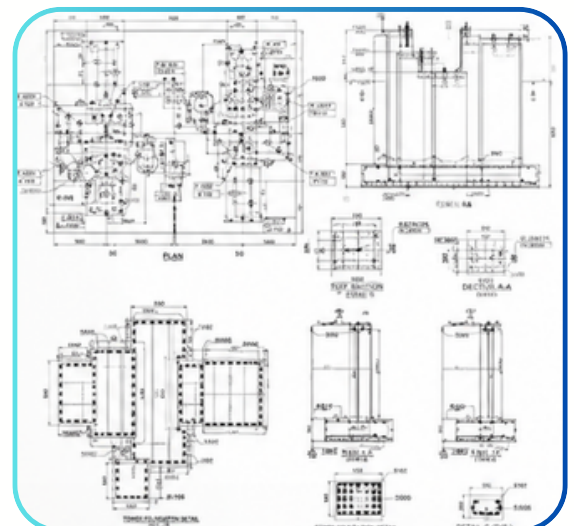


Detail Engineering:

Experienced Process & Engineering Team of 15 People. External Engineering Associates on Project to Project need basis is in excess of 50 People.

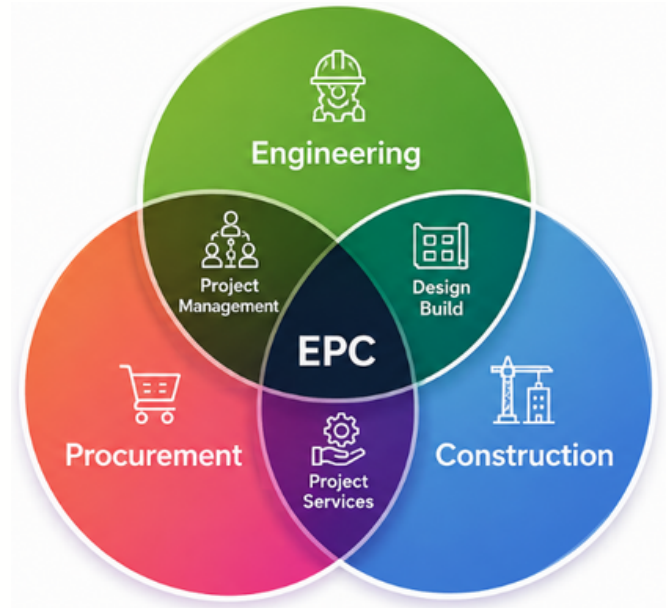
Use of Latest Design Software's:

- AutoCAD
- NAVIS works
- STAAD Pro
- ETAP
- HTRI
- PV Elite



In-House setup for following Disciplines through Qualified Engineering Partners:

- A. Process Engineering
- B. Mechanical Engineering
- C. Piping & Layout Engineering
- D. Electrical Engineering
- E. Instrumentation Engineering
- F. Civil & Structural Engineering
- G. Insulation & Painting
- H. Fire Fighting



PROJECT MANAGEMENT, PROCUREMENT & MANUFACTURING & FABRICATION SETUP:

Project Management & Execution:

Our in-house Project Management & Execution Team, comprising Project Heads, Project Managers, Project Coordinators, and Procurement & Logistics professionals, ensures effective planning, coordination, procurement, scheduling, and timely project delivery while maintaining quality, cost, and schedule objectives.



Manufacturing Capabilities:

Static Equipment and Pressure Vessels are manufactured through qualified ASME 'U' and 'U2' Stamp certified workshops and approved fabrication partners, ensuring compliance with international standards and project specifications.



Quality Assurance & Compliance:

A dedicated in-house and third-party QA/QC team conducts stage-wise inspections throughout the manufacturing process, including material verification, fabrication, testing, and final inspection, ensuring full compliance with applicable codes, standards, and client requirements.



SITE MANAGEMENT:

A dedicated RCM (Resident Construction Manager) will be deployed at site until project commissioning, supported by planning, HSE, and discipline-wise erection teams.

- Health, Safety & Environment under Client Scope.
- Site Planning & Construction Management – Guided by ADSD
- Civil Construction, Installation & Erection – By Client under ADSD guidance
- Erection completion by the Client under ADSD guidance.
- Pre-Commissioning, Commissioning & PGTR – By ADSD.
- Operation & Maintenance by Client.



Operation and Maintenance Services:

ADSD CONSULTING PVT. LTD. provides comprehensive O&M manpower supply and plant operation services for Chemical Process Plants, Water & Wastewater Projects, and Utilities. Services include skilled manpower deployment, 24x7 operations, preventive & corrective maintenance, performance monitoring, and process optimization to ensure safe, reliable, and cost-effective plant performance while maintaining long-term asset integrity.



Industries We Serve

CHEMICAL PROCESS PLANTS

We provide end-to-end solutions for chemical process plants, covering process engineering, equipment integration, plant design, and operational support. Our expertise ensures safe, efficient, and reliable plant operations while focusing on process optimization, regulatory compliance, energy efficiency, and cost-effective solutions to enhance productivity and long-term operational performance across diverse industries.



WATER & WASTEWATER PROJECTS

We deliver comprehensive solutions for water and wastewater treatment projects, including process design, engineering, equipment integration, and plant optimization. Our expertise covers potable water, industrial water, sewage, and effluent treatment systems, ensuring sustainable operations, regulatory compliance, resource conservation, and reliable performance for municipal and industrial applications.



PLANT OFF-SITES & UTILITIES

We provide complete off-sites and utility solutions to support seamless plant operations, including steam systems, cooling water networks, compressed air, fuel handling, storage facilities, and utility distribution systems. Our solutions are designed to ensure operational reliability, energy efficiency, safe plant integration, and uninterrupted support for process and production facilities.



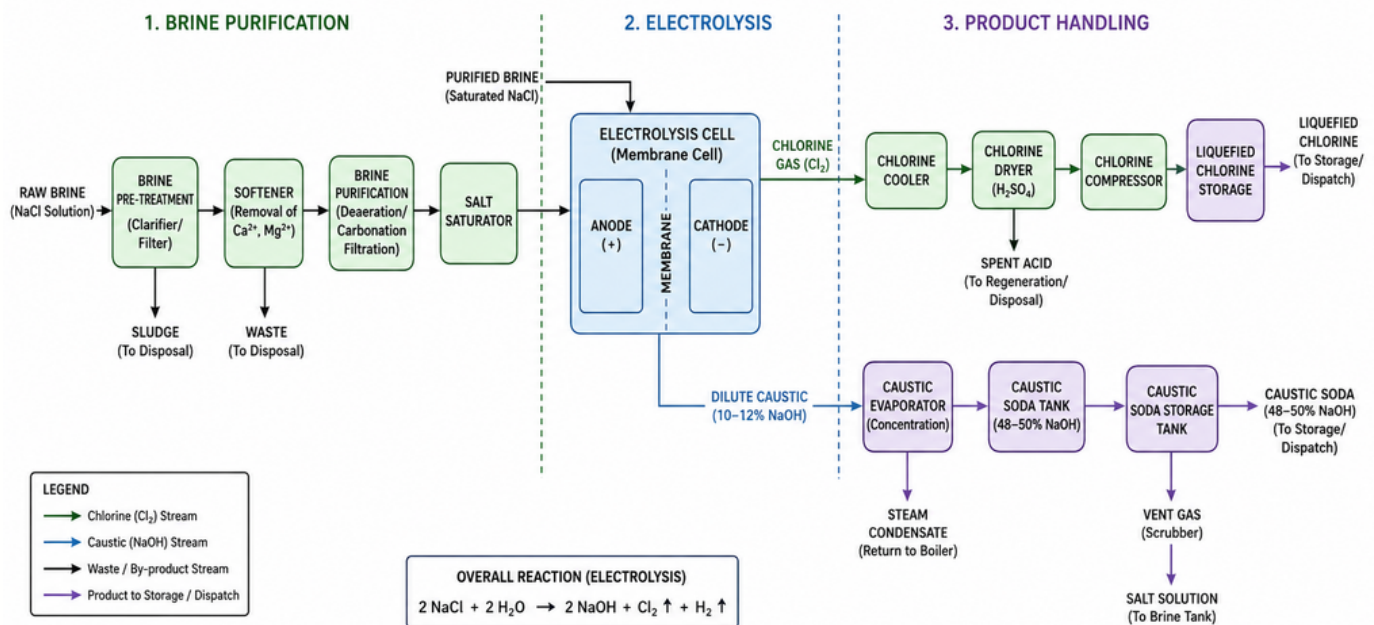
CHEMICAL PROCESS PLANT

ADSD provides complete project execution solutions from concept to commissioning, including Technology Selection, Engineering, Procurement, Manufacturing, Logistics, Quality Management, and Site Execution for complex chemical process plants, with customized in-house solutions across various chemical value chains.

Chlor Alkali & Chlorine Derivatives

- Chlor Alkali Plant
- HydroChloric Acid Plant
- Sodium Hypochlorite Plant
- Calcium Chloride Plant
- Ferric Chloride Plant
- Poly Aluminium Chloride Plant
- Aluminium Chloride Plant
- Stable Bleaching Powder Plant
- TCCA Plant
- Mono Chloro Acetic Acid Plant
- Chlorinated Paraffin Wax Plant
- Sodium Silicate Plant

CHLOR ALKALI PLANT – BLOCK DIAGRAM



Sulphur Derivatives

- Sulphuric Acid Plant
- Sulphur Bentonite
- Oleum Plant
- Liquid Sulphur Dioxide Plant
- Liquid Sulphur Tri Oxide Plant
- Sulphur Handling & Pelletisation Plant
- Wet Sulphuric Acid Plant
- Ammonium Sulphate Plant
- Chloro Sulfonic Acid Plant
- LABSA 90 Plant
- LABSA 96, SLES, LAS Plant

Hydrogen Value Portfolio

- Hydrogen Peroxide Plant
- Sodium Par Carbonate Plant
- Hydrogen Generation
- Green Hydrogen Plant
- Green Ammonia Plant

Methanol & Formaldehyde Derivatives

- Sugar Plants
- Ethanol Plant
- Bio Ethanol Plant
- Acetic Acid Plant
- Acetaldehyde Plant
- Bio Ethylene Plant
- Acetic Anhydride Plant
- Ethyl Acetate Plant

Methanol Value Portfolio

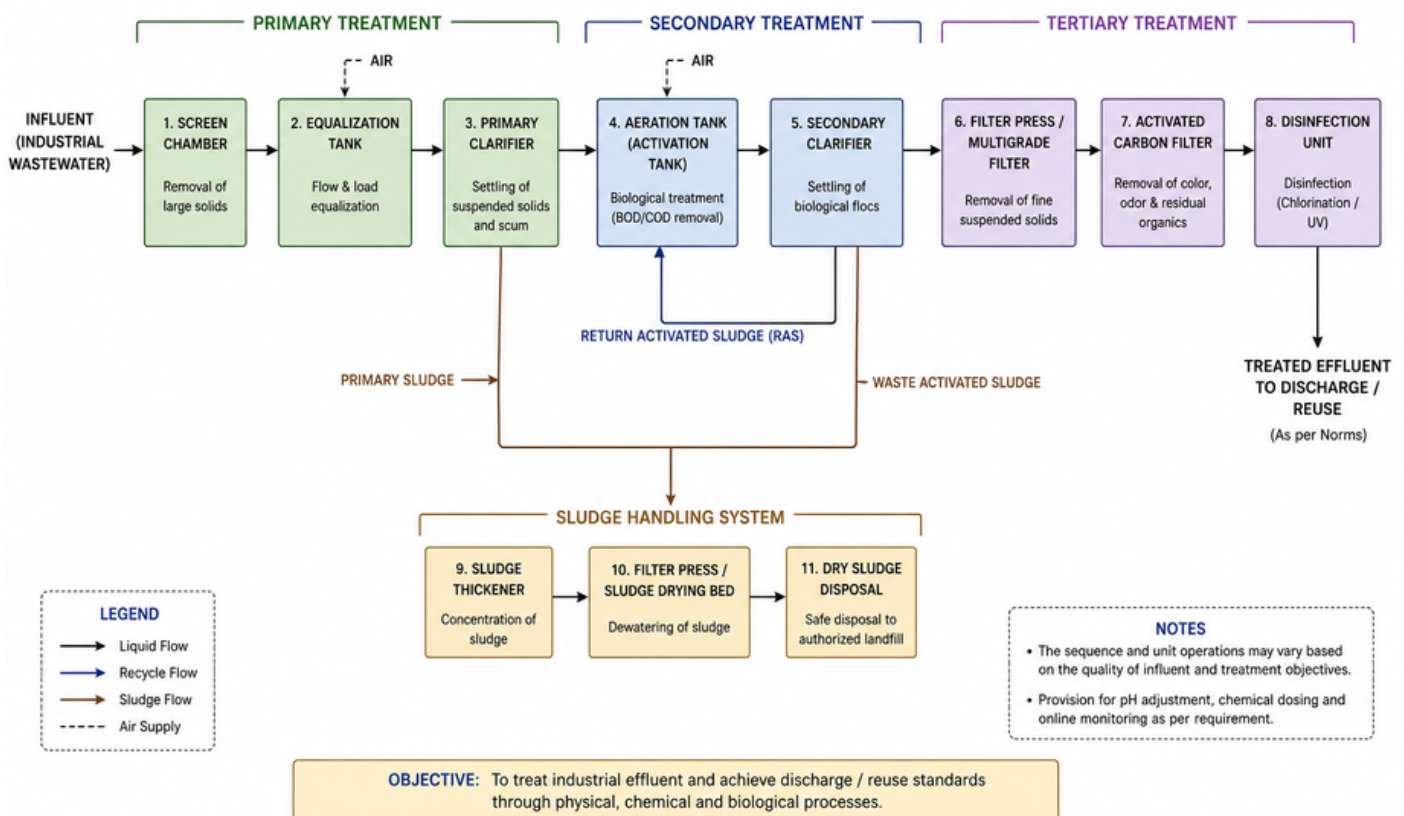
- Methanol Plant
- Formaldehyde Plant
- Urea Formaldehyde Plant
- Formaldehyde Resin Plant
- Hexamin Plant
- Para Formaldehyde Plant
- Phenol Formaldehyde Plant

WATER & WASTEWATER PROJECTS

ADSD Group offers advanced and sustainable solutions in the field of Water & Wastewater Treatment, delivering high-performance systems designed to meet industrial, municipal, and environmental requirements. With strong engineering expertise and EPC capabilities, ADSD Group provides complete turnkey solutions from design and engineering to manufacturing, installation, commissioning, and after-sales support.

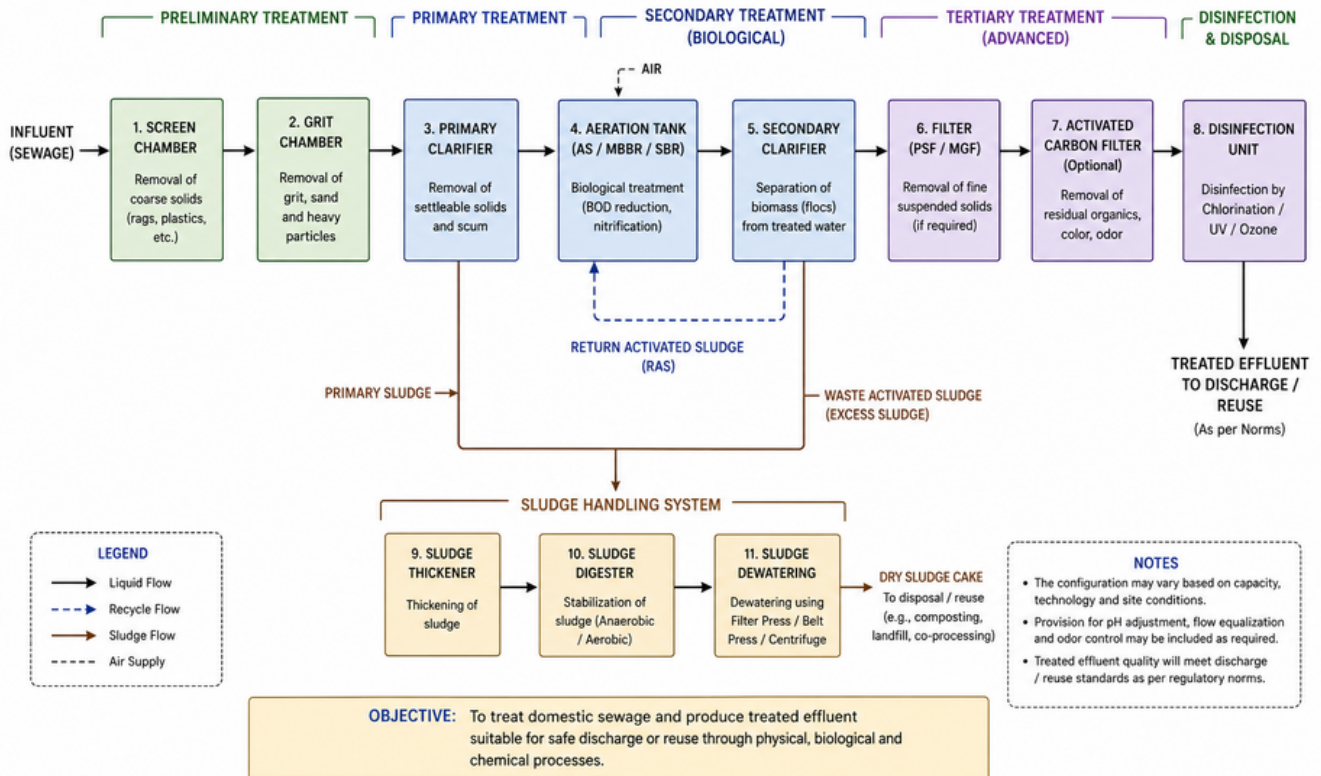
- Effluent Treatment Plant:** ADSD Group specializes in the design, engineering, procurement, and execution of Effluent Treatment Plants for a wide range of industrial sectors. Our ETP solutions are tailored to effectively treat industrial wastewater by removing contaminants, chemicals, suspended solids, organic matter, and other harmful pollutants before safe discharge or reuse. Leveraging advanced treatment technologies and process optimization techniques, we ensure compliance with stringent environmental regulations while minimizing operating costs. Our systems are designed for reliability, efficiency, and sustainability, helping industries reduce their environmental footprint, conserve water resources, and achieve long-term operational excellence.

EFFLUENT TREATMENT PLANT – BLOCK DIAGRAM



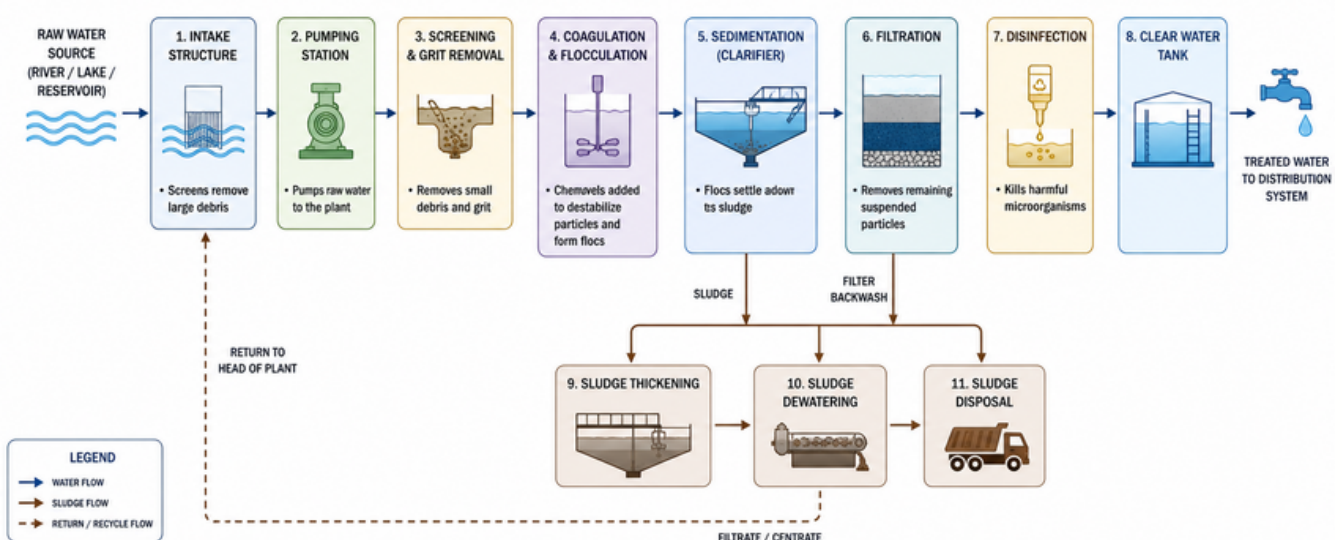
- Sewage Treatment Plant:** ADSD Group provides efficient, compact, and eco-friendly sewage treatment solutions for residential, commercial, industrial, and infrastructure projects. Our STP systems ensure effective wastewater treatment, enabling safe water reuse for gardening, flushing, and other utility applications while meeting environmental standards.

SEWAGE TREATMENT PLANT – BLOCK DIAGRAM



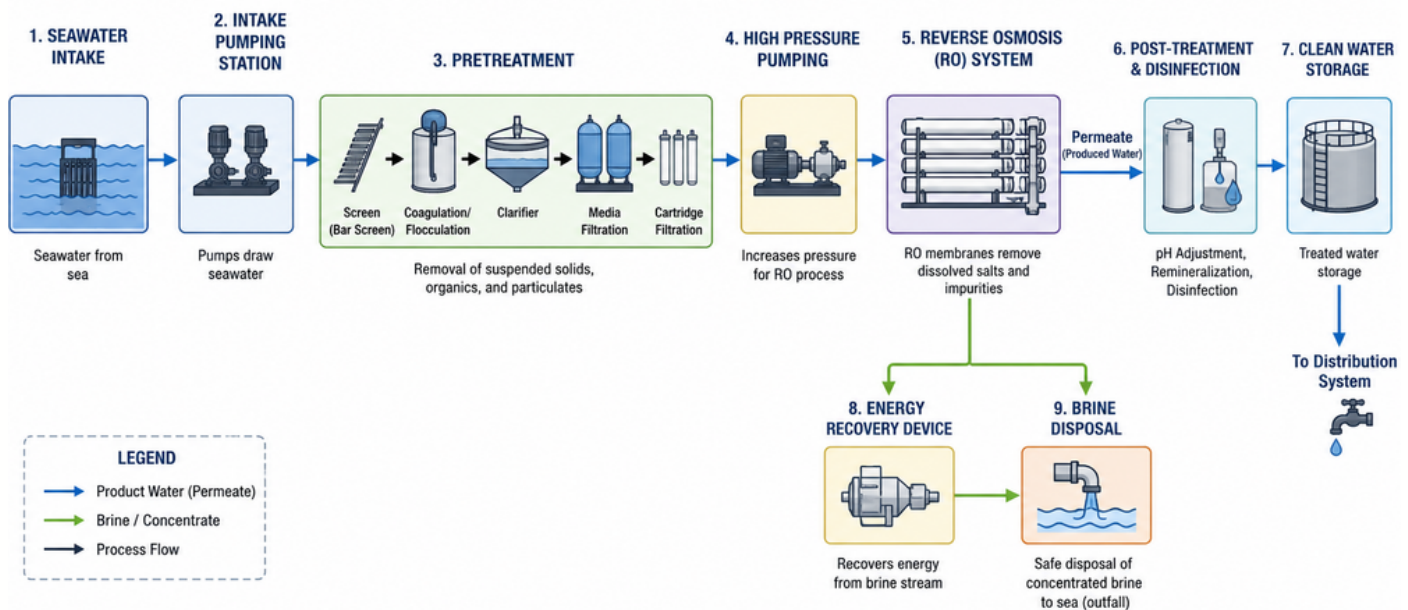
- Water Treatment Plant:** ADSD Group provides customized Water Treatment Plant solutions for industrial and potable water applications. Our systems are designed to improve water quality by removing impurities, hardness, dissolved solids, bacteria, and other contaminants. We integrate advanced treatment technologies to ensure consistent water quality, operational reliability, and cost-effective performance.

WATER TREATMENT PLANT BLOCK DIAGRAM



- Seawater Desalination Plant:** ADSD Group provides complete turnkey solutions for the design, engineering, procurement, installation, and commissioning of Seawater Desalination Plants using advanced membrane separation and reverse osmosis (RO) technologies. Our desalination systems are specifically developed to convert seawater into high-quality potable water and industrial process water, making them ideal for coastal industries, municipalities, power plants, refineries, mining operations, and infrastructure projects facing freshwater scarcity. Each plant is engineered to achieve maximum water recovery, consistent product water quality, and optimal operational efficiency while minimizing energy consumption and operating costs. We integrate advanced pre-treatment, membrane filtration, and post-treatment systems to ensure reliable and long-term performance under varying feed water conditions. With a strong focus on sustainability, automation, and operational reliability, ADSD Group delivers customized desalination solutions that support water security and sustainable development objectives.

SEAWATER DESALINATION PLANT BLOCK DIAGRAM



PLANT OFF-SITES & UTILITIES

ADSD Group provides comprehensive consulting and engineering solutions for Plant Utilities, the backbone of every industrial facility. We specialize in the design, integration, and optimization of utility systems including steam generation, compressed air, industrial cooling, HVAC, water treatment, and electrical distribution. Our approach focuses on energy efficiency, reliability, and operational safety, ensuring that utility infrastructure supports seamless plant operations. With deep domain expertise and process-driven execution, ADSD Group delivers utility systems that are both cost-effective and environmentally responsible. From concept to commissioning, we empower industries to build resilient utility networks aligned with current and future demands.

- Cooling Towers Units
- Chillers Unit
- Nitrogen Plants
- Instrument & Plant Air Systems
- Obserlariy Boilers Plant
- Compressed Air System
- Dehumidifiers Plants
- HVAC Systems
- Water Treatment Units
- Fire Water Systems
- Waste Water Treatment Plant
- Fuel Gas Distribution Systems
- Heating System Plant



ADSD GLOBAL PRESENCE

A Strong Network. Global Reach. Trusted Worldwide.



ADSD HEADQUARTER

📍 Noida, India

ADSD CONSULTING PRIVATE LIMITED



OUR OFFICE ADDRESS-

Anthurium Office Space, 1103-1105,
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