ADSD GROUP

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 Project Business & Consulting Service 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, 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 Manufacturing of Activated Carbon & Executing Bulk Shipments of 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 Engineering & EPC Business, Activated Carbon Manufacturing Business and Chemicals & Supply Chain Business, creating long-term value through innovation and excellence.



CORE VALUES

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



OUR BUSINESSES

ENGINEERING & EPC BUSINESS

ADSD is renowned Engineering & EPC Company 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 Engineering & EPC Contractor providing end-to-end Project Execution Solutions right from Technology Selection, Basic Design, Detailed Engineering, Project Management, Procurement, Fabrication, Logistics, Site Erection and Construction, Pre-Commissioning, Commissioning, Start-up, Performance Guarantee Test Runs and Handing Over for Commercial Operation.



CHEMICALS & 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 Chemicals & Supply Chain Division has been serving its Global Clients from last 9 years with regular shipment of quality products as per the Process Requirements of Clients.



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 & EPC SERVICES

A. Process Design & Technology Selection:

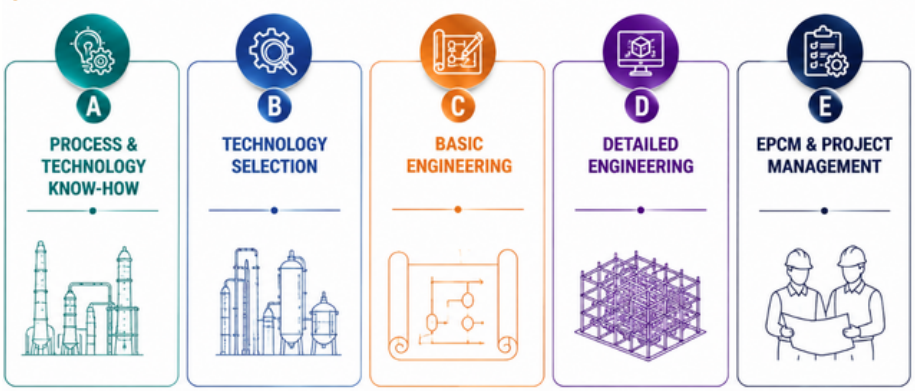
A. Process & Technology Know-how

B. Technology Evaluation & Selection

C. Basic Engineering

D. Detailed Engineering

E. EPCM & PMC Services



B. Basic Engineering Services:

The Basic Engineering phase establishes the technical foundation for project execution by defining the design basis, process philosophy, equipment specifications, and engineering layouts for detailed design and implementation.



C. Detail Engineering Services:

Our in-House Detailed Engineering services convert approved basic engineering into construction-ready drawings, calculations, specifications, and multidisciplinary design documents, covering process, mechanical, piping, structural, electrical, instrumentation, and control engineering. We use advanced tools including AutoCAD, Navisworks, STAAD.Pro, ETAP, HTRI, and PV Elite.



List of Detailed Engineering Disciplines In-House

A. Process Engineering

B. Mechanical Engineering

C. Piping & Layout Engineering

D. Electrical Engineering

E. Instrumentation Engineering

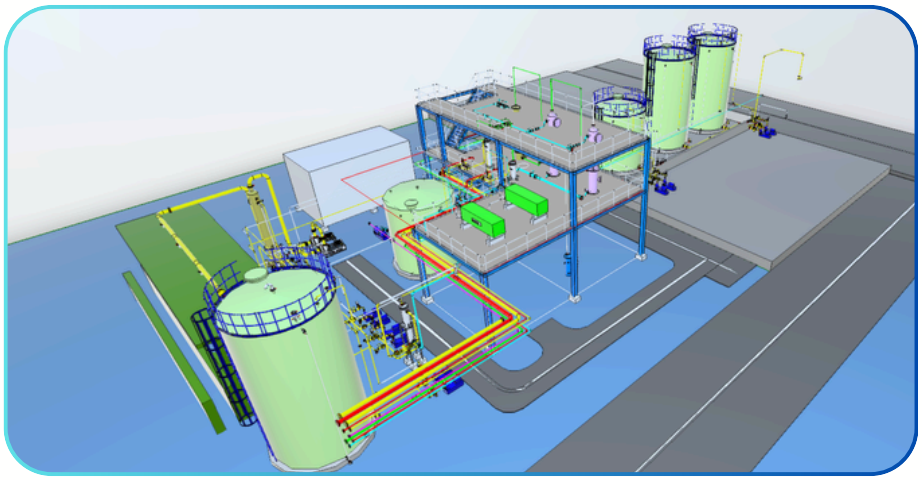
F. Civil & Structural Engineering

G. Insulation & Painting

H. Fire Fighting System

I. HVAC System and

K. Hazop & SIL Study



ENGINEERING & EPCM SERVICES

D. Project Management & Execution:



Our in-house Project Management & Execution team ensures seamless project delivery through effective planning, coordination and execution, with a strong focus on safety, quality, cost and timely completion.

E. Manufacturing & Fabrication Capabilities:



Our static equipment & pressure vessels are manufactured through ASME 'U' & 'U2' certified workshops, ensuring compliance with international standards, stringent quality controls, material traceability, inspection, testing and reliable performance.

F. Quality Assurance & Compliance:



Dedicated in-house and third-party QA/QC teams ensure quality through systematic inspections, testing & compliance with project requirements.

G. Logistics and Transport:



Our integrated Logistics & Transport team ensures safe and timely movement of equipment worldwide, managing Domestic and international logistics, export packaging, customs documentation, multimodal transportation, freight coordination, and site delivery.

H. Site Management:



A dedicated Resident Construction Manager (RCM) supported by planning, HSE and erection teams, oversees site execution through commissioning to ensure safe and timely project completion.

I. Operation and Maintenance Services:

ADSD Group provides comprehensive O&M services for chemical process plants, water & wastewater facilities & utility systems to ensure safe, reliable, and efficient plant operations.

Industries We Serve

A. CHEMICAL PROCESS PLANTS

We provide integrated engineering and execution solutions for chemical process plants, ensuring safe, efficient, sustainable, and compliant performance.

- Chlor-Alkali & Chlorine Derivatives
- Methanol & Formaldehyde Derivatives



B. FERTILIZER PROCESS PLANTS

We provide integrated engineering and execution solutions for fertilizer and chemical process plants, focused on safe, efficient, sustainable, and optimized plant performance.

- Sulphuric Acid & Sulphur Derivatives
- Phosphoric Acid & Phosphate Derivatives



C. WATER & WASTEWATER PLANTS

We deliver integrated solutions for water and wastewater treatment, ensuring sustainable, compliant, and reliable performance.

- Effluent Treatment Plants (ETP)
- Water Treatment Plants (WTP)
- Seawage Treatment Plants (STP)
- Seawater Desalination Plants (DESAL)



D. PLANT OFF-SITES & UTILITIES

We provide integrated off-sites and utility solutions for efficient, reliable, and uninterrupted plant operations.

- Off-Sites & Utility Solutions
- Steam & Cooling Water Systems
- Compressed Air & Fuel Handling
- Storage & Utility Distribution
- Reliable & Energy-Efficient Operations



CHEMICAL PROCESS PLANT

1. 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
- Calcium Hypo-chlorite
- Sodium Sulphate Plant





2. Methanol & Formaldehyde Derivatives

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



FERTILIZER PROCESS PLANT

1. Sulphuric Acid & Sulphur Derivatives

- Sulphur Coated Urea
- Sulphate of Potash
- 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 90/96 Plant
- SLES, LAS Plant





2. Phosphoric Acid & Phosphate Derivatives

- Di-Calcium Phosphate Plant
- Di-Ammonium Phosphate Plant
- Mono-Ammonium Phosphate Plant
- Triple Superphosphate Plant
- Single Superphosphate Plant
- NPK / NP Fertilizer Plant
- Mono Potassium Phosphate Plant
- Di-Potassium Phosphate Plant
- Tri-Potassium Phosphate Plant
- Zinc Phosphate Plant
- Iron Phosphate Plant



WATER & WASTEWATER PLANT

- **Effluent Treatment Plant:** ADSD Group provides efficient ETP solutions for treating industrial wastewater and managing pollutants effectively. Our systems are designed to support regulatory compliance, reduce environmental impact, optimize water usage, and enable sustainable wastewater treatment and reuse across diverse industrial applications.



- **Water Treatment Plant:** ADSD Group provides customized water treatment solutions for industrial and potable water applications. Our systems ensure consistent water quality, efficient treatment, reliable plant performance, and sustainable water management while addressing the specific operational requirements of diverse industries.



- **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.



- **Seawater Desalination Plant:** ADSD Group provides turnkey seawater desalination solutions using advanced Reverse Osmosis (RO) technology, delivering high-quality potable and process water with maximum efficiency, reliability, and sustainable performance.



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
- Boilers Plant & Steam Recovery Units
- 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.



OUR OFFICE ADDRESS:
Anthurium Office Space, 1103-1105,
Sector-73, Noida, Uttar Pradesh,
Delhi-NCR, India-201307

E-mail: info@adsd.in | Web: www.adsd.in