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the
SAVE GLOBE



■ ABOUT US

Pak Green Group was established in 2009, the group has grown from single unit entity to multi business home with intetrests in diversified fields.Pak Green is a platform for environmental needs and requirements of different sectors, we provide solution under one roof. The group is providing different services to commercial, industrial & government region from environmental monitoring to environmental studies, from consultation services to techno-legal services and from infrastructure planning to development.

■ VISION

Our vision is to provide and keep a clean and green environment for coming generations. We treat our clients at priority. The team members are “hands-on” and are directly in charge of each case or matter. “Our clients’ success is our success”.

■ MISSION

Our mission is to provide solution-oriented services and the highest quality representation to institutions and individual clients who demand the sophistication and expertise of environmentalists.

Core Values

- Services
- Opportunity
- Excellence



PAK GREEN
ENVIRO-ENGINEERING (PVT.) LTD.

the
SAVE GLOBE



Pak Green Laboratories (Environmental Division)

Air Quality Monitoring



Pak Green provides a complete range of air quality services including

- Ambient air monitoring
- Indoor Air monitoring
- Compressed air quality testing
- Ammonia Testing
- Volatile Organic Compound (VOC) Testing
- Hydrogen Sulphide H₂S
- Ozone Testing

Stack Emission Monitoring



- Determination of particulates (dust)
- Stack gas temperature and dew point.
- Moisture content.
- Stack gas composition.
- Stack gas velocity, Pressure and volumetric gas flow.
- Particulate matter.
- Gases such as Sulphur Dioxide, Oxides of Nitrogen, Ammonia, Hydrogen Chlorides, Chlorine, Fluorides etc.
- Regulatory compliance dispersion modelling

Meteorological Monitoring



Meteorological monitoring services ranging from a few primary meteorological parameters to full met monitoring stations with remote access data acquisition systems. Variables include:

- Wind Speed
- Ambient Temperature
- Precipitation
- Radiation
- Wind Directions
- Relative Humidity
- Ambient Pressure
- Mixing Index

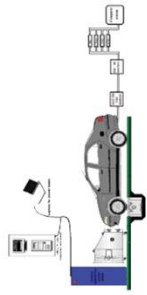
Noise Level Monitoring



Noise monitoring may be required as part of a project's specifications or conditional use permit, or to establish compliance with local noise codes and ordinances. We can provide our noise monitoring services on a one-time or ongoing basis using precision noise measurement equipment.

- Construction projects
- Environmental noise issues
- Oil and gas drilling, fracking and production
- Industrial facilities
- Indoor Laboratories
- Roads/ Highway
- Generator Areas/ Canopy
- Entertainment Venues

■ Vehicular Emission Monitoring ■ Water Analysis



Pak Green, use latest vehicle emission measurement technologies that accurately measure real-world emissions.

- Nitric oxide
- Nitrogen dioxide
- Oxides of sulfur
- Particulate matter
- Hydrocarbons
- Oxides of Carbon



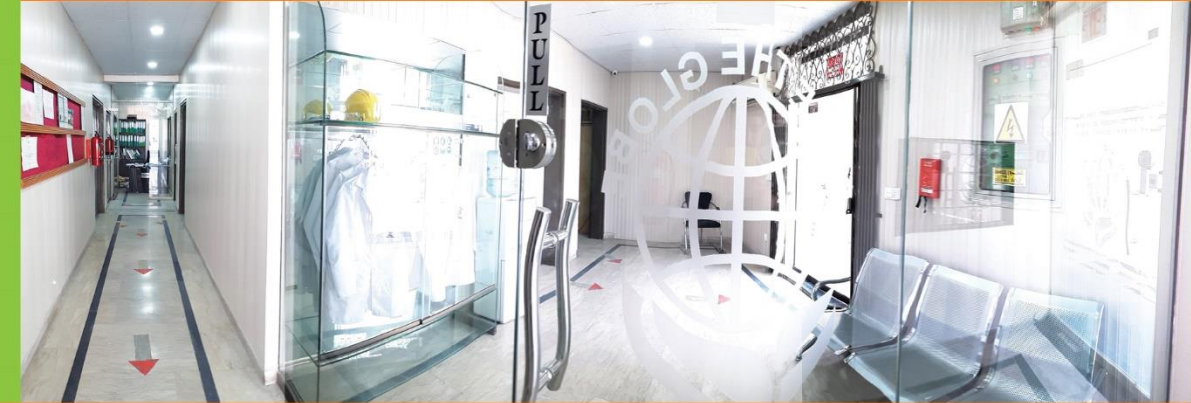
Pak Green laboratories have well equipped facility for Physical, Chemical, Metals Microbiological and trace Element Analysis of:

- Drinking Water testing
- Groundwater Testing
- Irrigation Water Testing
- Freshwater Testing
- Estuarine & Marine Water Testing
- Bore Water Testing



Pak Green provides following Microbial Services:

- Food Testing
- Bacterial Oil Testing
- Total Coliform
- Fecal Coliform
- Fungi Testing
- Identification & Numeration of Bacteria



■ Industrial hygiene ■ Waste Water Analysis



Pak Green offers a full range of safety and environmental industrial hygiene services include:

- Occupational Exposure Testing
- Indoor Air Quality (IAQ) Assessments
- Noise Surveys, Assessments, and Personal Dosimetry
- Asbestos Inspections, Remediation Design, Construction Management, and Monitoring
- Lead Inspections
- Microbial Assessments and Sampling

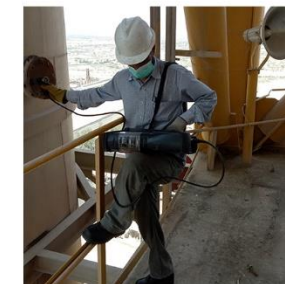


We provide following analytical services

- Physical & Chemical Analysis
- Organic Analysis
- Metals Analysis
- Bacteriological Analysis
- Inorganic Analysis
- TCLP and RCRA Testing
- Sampling Service—automatic composite & automatic sequential

Wastewater Treatability Testing

- Chemical Precipitation
- Biological Treatment and Toxicity
- Sludge Generation
- Influent Characteristics
- Process Characteristics
- Effluent Quality



Environmental Consultancy Services

Pak Green is familiar with the legal requirements and it conducts and develops Environmental studies as per national environmental laws and guidelines by EPAs, Asian Development Bank, World Bank, US-AID, IMF, WHO, UNISEF.

Scope of Services

- Environmental Impact Assessment (EIA),
- Initial Environmental Examination (IEE)
- Environmental Strategic Plan (ESP)
- Social Soundness and Impact Assessment (SSIA)
- Environmental and Social Impact Assessment (ESIA)
- Resettlement and Rehabilitation Plan (RRP)
- Environmental management plan (EMP)
- Baseline Environmental Assessment
- Solid Waste Management Plan
- Occupational Health and Safety Plan
- Muck Disposal and Management Plan
- Compensatory Aforestation Plan
- Restoration and Revegetation Plan



Audits

1. **Water Audit Services**
2. **Energy Audit Services**
3. **Environmental Audit Services**
 - Compliance Status Report (CSR)
 - Annual Compliance Report

Solid Waste Management

Solid waste is a major issue due to the large quantities produced, environmental constraints, public health concerns, diverse natures of wastes, public pressure and landfill shortages. We provide data-driven solutions to optimize recycling, diversion and waste management programs for federal government entities, state agencies and municipalities; trade associations and other NGOs; and private sector waste generators. We offer a wide range of planning, financial modeling, operational analysis, and procurement support services and are especially focused on characterizing material streams to identify recycling, diversion, composting, energy recovery, and other opportunities to reduce waste disposal.

Our Services include:

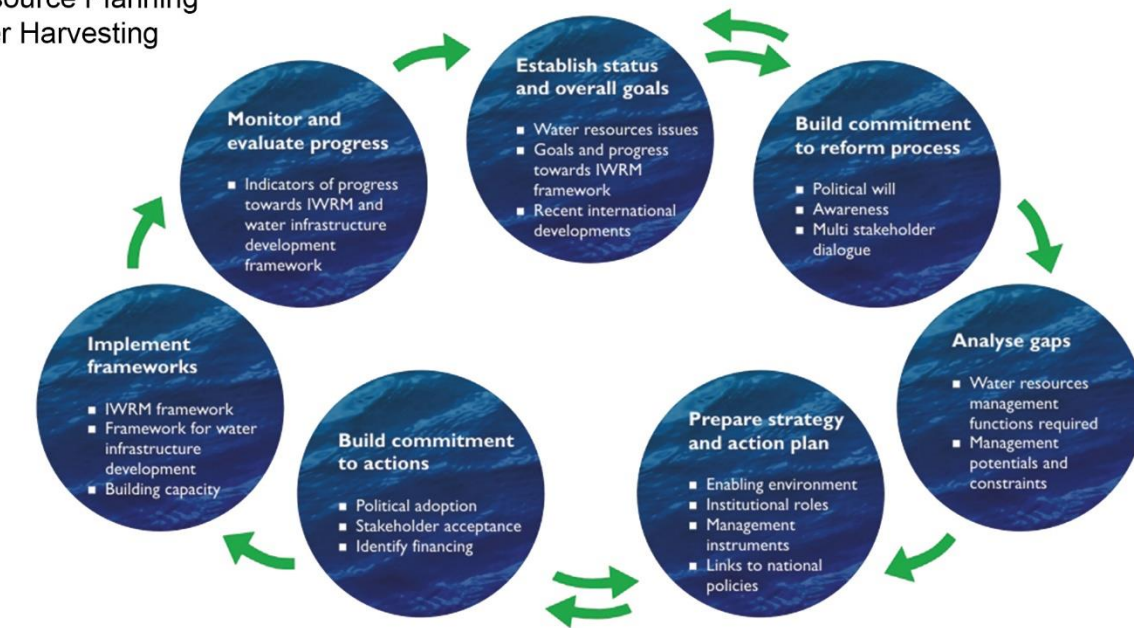
- Waste Characterization, Generation and Composition Studies
- Visible Litter Surveys and Litter Policy Research
- Solid Waste Management and Zero Waste Plans
- Recycling & Composting Program Development
- Business and Institutional Waste and Recycling Audits
- GIS & Computer-Optimized Routing
- Market Analysis and Feasibility Studies



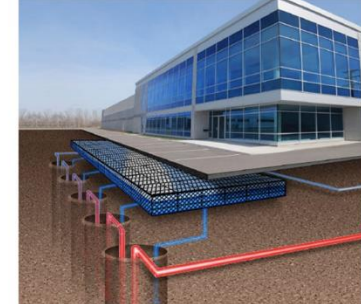
■ Water & Waste Water Management Services

Pak Green Group provides development, management, and environmental protection services of water resources. The Company offers water resources planning and engineering, geochemistry and geology, numerical modeling, hydrogeology and studies technical solutions.

- Waste Water Treatment System
- Water Treatment System
- Water Resources Management
- Water Resource Planning
- Rain Water Harvesting



Pak Green Design & Management Services



■ Water & Waste Water Treatment chemicals

Much of water & wastewater produced today is contaminated with both soluble and insoluble impurities such as suspended solids, organics, pathogens, metals, nutrients and other priority pollutants that must be removed prior to discharge back into the environment. Federal, state, and local governments have created stringent environmental laws which define the acceptable levels of quality. Those laws are administered and regulated by the issuance of discharge permits. Chemicals used to remove specific contaminants, thereby enabling customers to meet their standard include:

- Raw Material
- Treatment Chemicals
- Specific formulaton and consultancy
- Minerals and salts



■ Pakage type Treatment Plants

Pak Green protect the environment by delivering reliable wastewater and sewage treatment systems for industrial & housing developments. Our treatment systems are quality designed offering a small installation footprint, minimal visual impact and easy servicing.



Water Hydrants

We also provides clients with assistance in the conceptual phase of proposed development in order to minimize water main pipe sizes and maximize available fire flow. Existing water systems with marginal available fire flows or properties with significant elevation changes can create challenges when it comes to meeting fire flow requirements.



■ Waste Water Treatment

Pak Green scientists and engineers have designed wastewater treatment facilities of different Capacity. We have significant expertise in all facets of wastewater liquid stream and solid stream treatment ranging from conventional plants for organic removal to complex nutrient resource recovery process covering scope from compliance evaluation to turnkey delivery of completely operational facilities. As one of the emerging wastewater treatment companies, we are at the forefront in the application of treatment technologies, including:

- Preliminary treatment
- Primary and secondary treatment
- Tertiary treatment/disinfection
- Treatment technology
- Biological nutrient removal (BNR)



■ Services

Pak Green expertise run the full lifecycle of a project, including partnering with our clients to determine best practices for operations, including:

- Plant operations and optimization
- Plant Equipments
- Operator training
- Process start-up and commissioning
- Equipment analysis and evaluation
- Best treatment practices

Audits

- ZDHC Programme
- BSR



■ RO Plants

We Provided total water treatment engineering from consultation and design to supply instalation, comissiioning and operation of the RO Plants.



Reverse Osmosis Systems
(15340)



Commercial Reverse Osmosis System
(4988)



Industrial RO System
(2388)



RO Machines
(900)



SS RO Plant
(759)



FRP RO Plant
(426)



Reverse Osmosis Equipment
(352)



Dialysis RO Plant
(228)



Fresh Water Generator
(189)

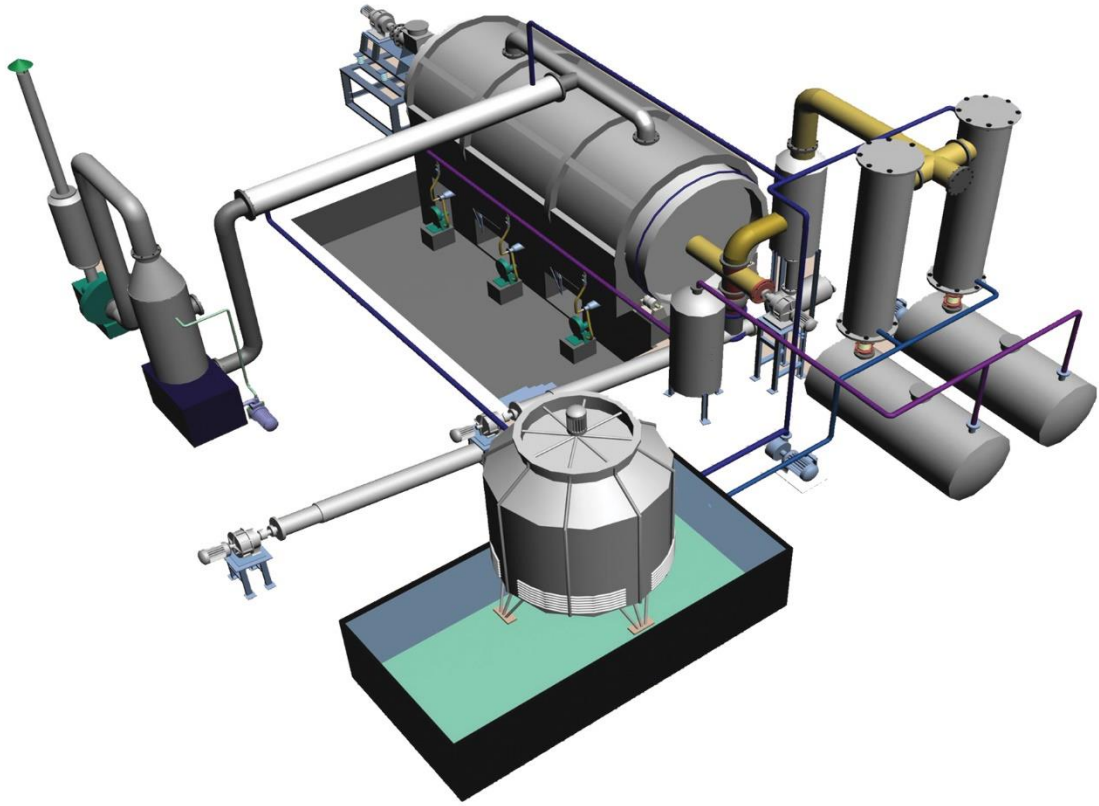


Reverse Osmosis Plant Controller
(102)

■ Flow Measurement

We provide accurate flow measurement services for clean water, wastewater and environmental applications.





Pyrolysis Plant

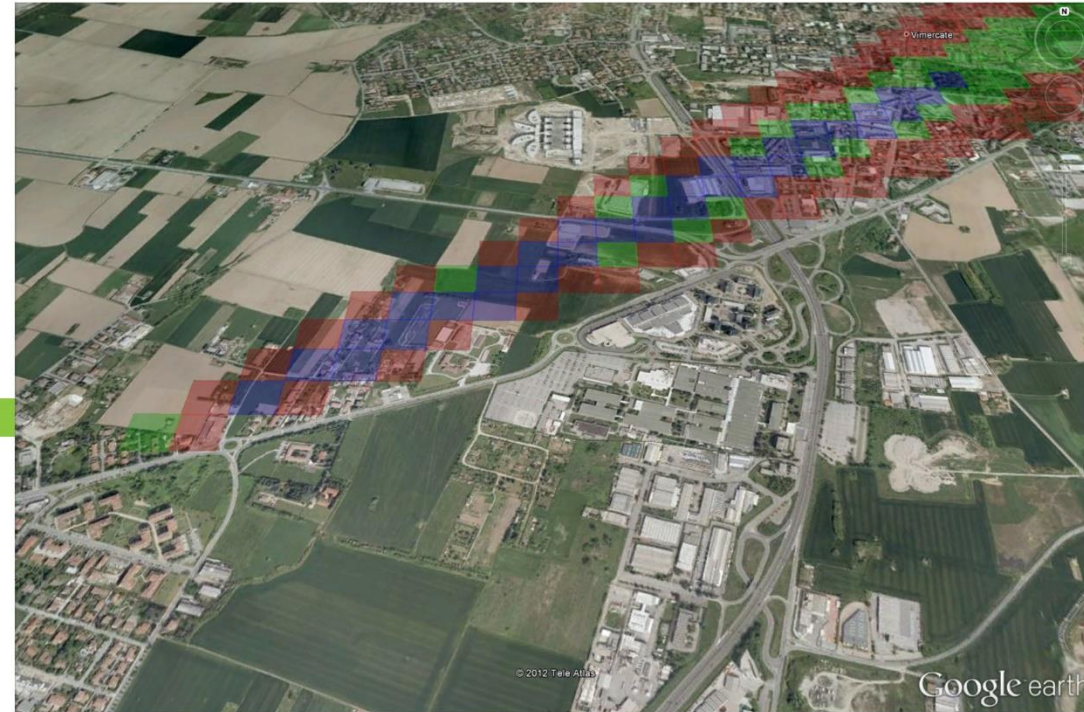
Pak Green group supplies pyrolysis plant of different capacities to number of industries and waste treatment units. Pyrolysis process is self-sustainable.

Air Dispersion Modeling

We use EPA's most recent versions of Air Dispersion Models and graphical software packages to perform detailed air dispersion modeling for projects. Our approach to modeling consists of collecting all relevant information about the facility to produce the most accurate results, modeling analysis according to guidelines specific to where the facility is located.

Our services include:

- Collect all required information about the facility, such as point parameters, exact location, and emission rates, to produce the most accurate results
- Perform preliminary modeling to determine whether refined modeling is required. If necessary,
- Perform a refined modeling analysis according to the guidelines of the regulatory authority in which the facility is located
- Produce a finished report for the environmental agency or agencies and for the client.



Techno-Legal Services

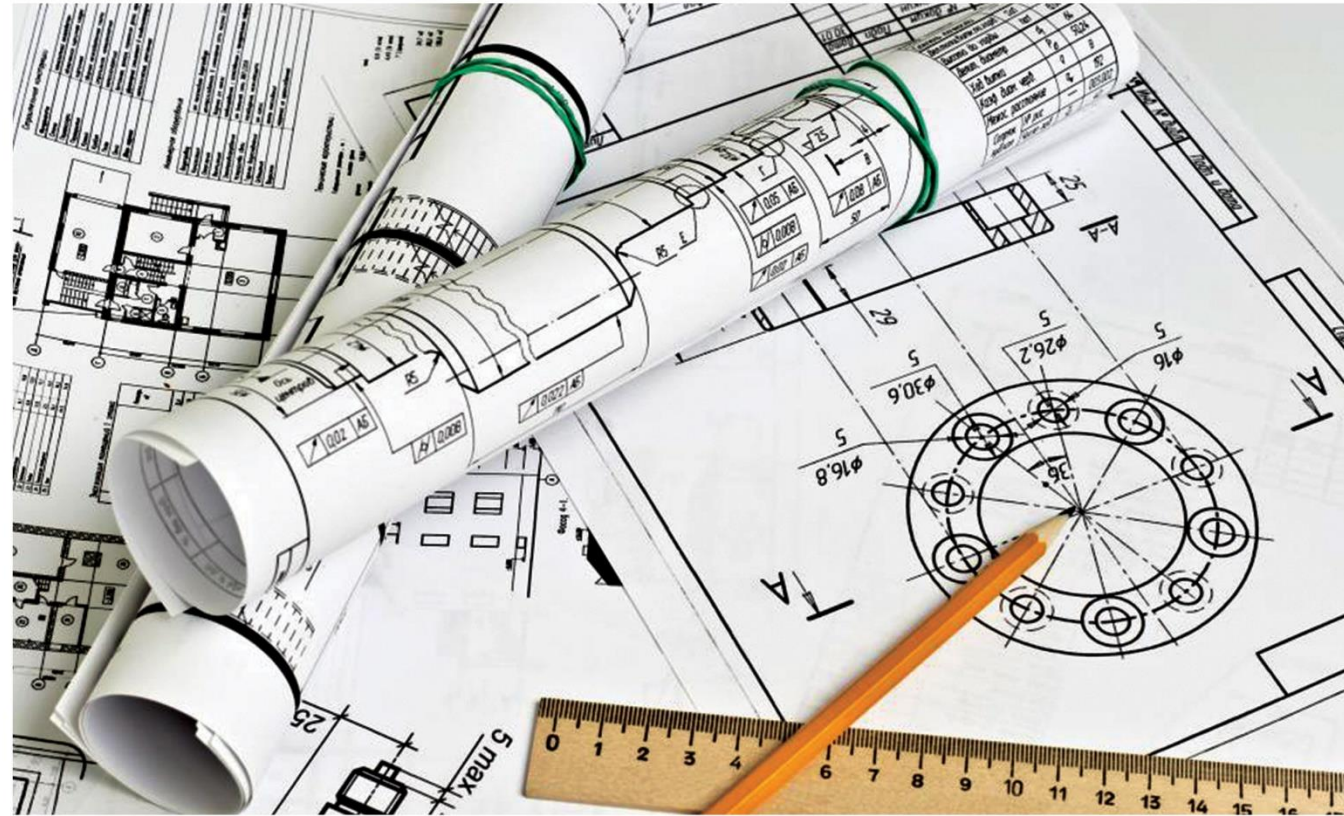


Pak Green Enviro-Engineering is an environmental consulting firm aims at providing the specialized services independently, in all aspects of Compliance to the Local as well as International project executing agencies, employers, contractors, consultants, manufacturers etc. The focused area of services is the obedience of Laws and regulations set by authorities on behalf of the employer for which Pak Green has a highly experienced and competent core team.

We deal in the following cases:

- Environmental Tribunals.
- Green Benches.
- Court Hearings and matters.

Pak Green Engineering (Pvt.) Ltd.



■ Infrastructure, Design & Construction

Pak Green Engineering (pvt.) Ltd. is Lahore, Pakistan based company. We provide the most comprehensive design-build solutions with a complete project planning, design and management program. We have a team of specialized individuals with different skill sets, focus on providing our clients with the latest construction and design innovations from drainage to treatment plant, from roads to highways and from houses to industries.



Clients

