















SAVE THE GLOBE

PAK GREEN

ENVIRO-ENGINEERING (PVT.) LTD.

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SAVE The GLOBE

“SOLUTIONS FOR GREENER PLANET”

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ABOUT US

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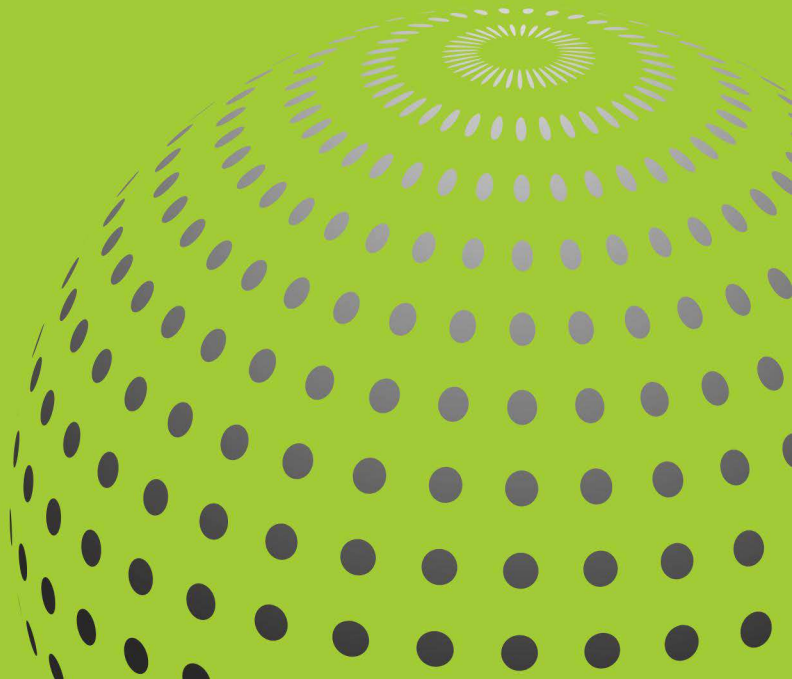
Pak Green Group (PGG) was established in 2009, Pak Green Enviro-Engineering (Pvt.) Ltd. has grown from a single entity to a multi-business home with interests in diversified fields of environment. Pak Green is a platform for environmental needs and requirements of different sectors, we provide solutions under one roof. We deal and provide in multi sector (Public, Private, Corporate and Industrial) from Environmental Monitoring and Evaluation to Environmental Resilience and Fragility, from Consulting to Impact Assessment and Environment Due Diligence, from National Regulatory Framework to ESG Framework, from Pollution Loading to its ministration through Designing and De-

Pak Green Enviro-Engineering (Pvt.) Ltd. Divisions:

- Sustainability
- Environmental Consultancy
- Environmental Laboratory/Monitoring
- Environmental Engineering
- Techno Legal

CORE VALUE

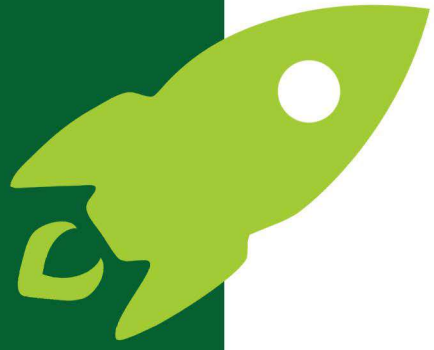
Commitment | Standard | Excellence



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MISSION

Our mission is to establish equilibrium between environment through research and development and furnishing solution-oriented services for our clients. We commission our team to be the experts in our clients need.



VISION

Our vision is to be the beacon for next generation with sustainable and replenished resources in place. We aim to mark footprint through highest satisfaction of our client. We believe in solution-oriented research and services, that what environment demands.



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(PGG)

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Sustainability:

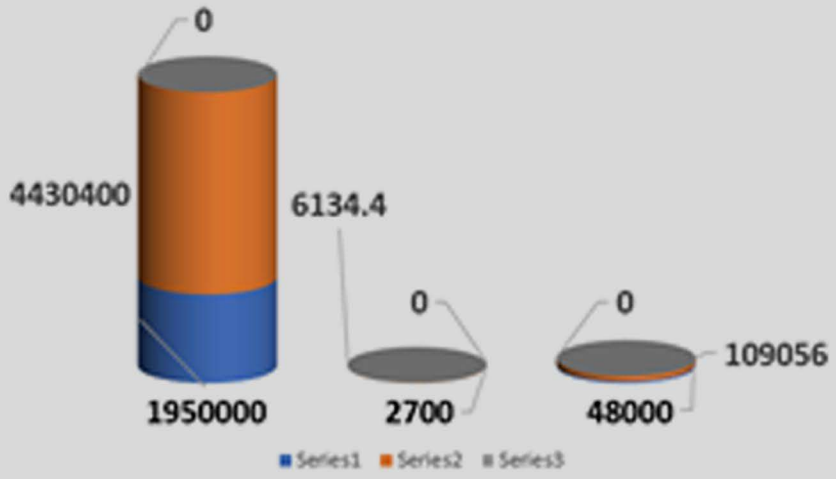
Pak Green Enviro engineering Pvt. Ltd. have successfully completed numerous projects, including many internationally funded projects focused on ESG (Environmental, Social and Governance) and Sustainability. Our Comprehensive sustainability services provide complete solutions to enhance environmental practices and include the following:

- Sustainable Development Goals (SDGs)
- ESG Framework
- ESG Rating
- Energy Efficiency
- Green Framework
- Green Investment
- Carbon Offset and Crediting
- Carbon Auditing
- Green Project Evaluations
- Carbon Foot printing
- GHG Inventory
- Environmental Governance improvement of Mega City
- Eco-Tourism Projects
- Emission Reduction Projects and Training
- Third Party Pre-Audit Preparation
- Climate Change and Rehabilitation
- ESG and Sustainability Projects
- Emission Reduction Targets and Strategies
- Carbon Calculator Development
- Climate Change Mitigation & Adaptation Assessment and Planning

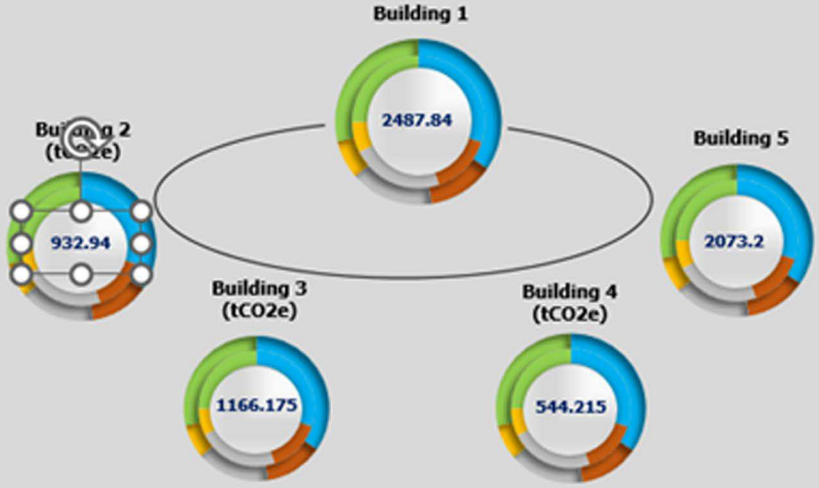


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Graphgical Carbon Emissions Matrix



Co-related Buildings Carbon Emissions Matrix





Gasoline Veh. (tCO2e)

Diesel Veh. (tCO2e)

Hybrid Veh. (tCO2e)

What is Impact Studies ?

Evaluate any development to assess a process to its anticipated impacts over the environment.

PGG is one of the renowned companies in Pakistan having versatile expertise in evaluating the inputs over the environment by any development and Planning its management plan.

Environmental Consultancy

Pak Green Group is familiar with legal requirements, and it conducts and develop Environmental Studies as per national environmental laws and guidelines by EPAs, Asian Development Bank, World Bank, US-AID, IMF, WHO, UNICEF.

Following Impact evaluation studies are in capacity of PGG:

- Environment Due Diligence
- Environment Fragility
- Ecological Studies
- Environmental Impact Assessment (EIA)
- Initial Environmental Examination (IEE)
- Social Impact Assessment (SIA)
- 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 Afforestation Plan
- Restoration and Revegetation Plan









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Audits:

1.Sustainability Audits

2. Water Audit Services

3. Energy Audit Services

4. Environmental Audit Services

-Compliance Status Report (CSR)

-Annual Compliance Report

-Third Party Validation Services

-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

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Laboratories Division

- Air Monitoring
- Stack Emission Monitoring
- Vehicular Emission Monitoring
- Meteorological Monitoring
- Noise/Lux Monitoring
- Waste Analysis
- Waste Water Analysis
- Industrial Hygiene

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Air Quality Monitoring

Pak Green provides a complete range of air quality services including:

- Ambient Air Monitoring
- Air Dispersion Modelling
- Indoor Air Monitoring
- Compressed Air Quality Testing
- Ammonia Testing
- Volatile Organic Compound (VOC) Testing
- Hydrogen Sulphide H2S
- Ozone Testing
- Ambient Air Profiling
- Ambient Health Risk Assessment



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
- Meteorological Pattern Studies
- Precipitation
- Radiation
- Wind Directions
- Relative Humidity
- Ambient Pressure
- Mixing Index



Stack Emission Monitoring

- Emission Proficiency Testing
- Determination of particulates (dust)
- Stack gas temperature and dew point
- Moisture Content
- Stack gas composition
- Stack gas velocity, pressure and volumetric gas flow
- Gases such as Sulphur Dioxide, Oxides of Nitrogen, Ammonia, Hydrogen Chlorides, Chlorine, Fluorides etc.
- Regulatory compliance dispersion modelling
- Stack Screening and design testing for pollution control devices



Noise/Lux 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

- Noise contouring
- Noise Modelling
- Noise Impact Assessment Study
- Noise Profiling
- Construction projects, Oil and Gas Drilling, fracking and production, Industrial facilities, Indoor Laboratories, Roads/Highway, Generator Areas/Canopy, Entertainment Venues.

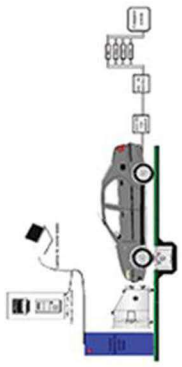
Water Analysis



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
- Process Water
- RO Water
- RO Rejected Water

Vehicular Emission Monitoring



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

- Smoke Opacity
- CO Analysis
- Noise Testing
- Vehicle Inspection in terms of Emission
- Hydrocarbons
- Oxides Testing
- Particulate Testing

Microbial Analysis



Pak Green provides following Microbial Services:

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

Industrial Hygiene



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

- Occupational Exposure Testing
- Light/Lux Assessment & Survey Study
- 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
- Health Risk Assessment
- Ergonomic Hazard Assessment



Waste Water Analysis

We provide following analytical services

- Physical Analysis
- Organic Analysis
- Heavy & Toxic Metals
- Microbiological Analysis
- Inorganic Analysis
- TCLP and RCRA Testing
- Grab Composite
- Waste Water Treatability Testing
- Chemical Precipitation
- Biological Treatment and Toxicity
- Sludge Generation
- Influent Characteristics
- Process Characteristics
- Effluent Quality
- Waste Water Treatment Plant Designing Testing

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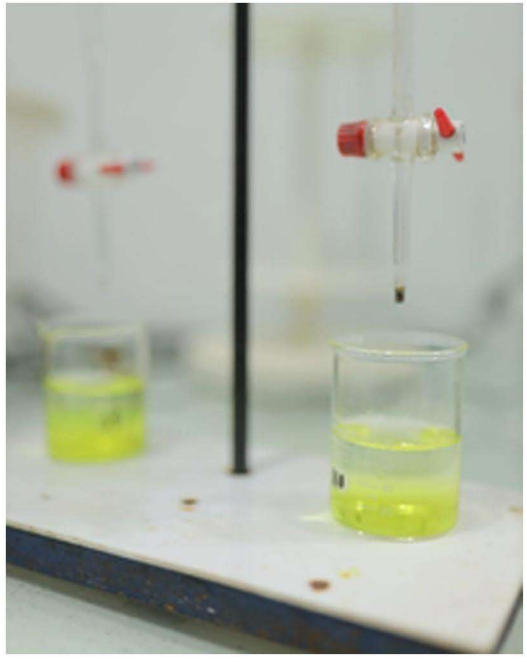
















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Pak Green Design Services:

Pak Green Group (PGG) is a dweller of scientists and engineers. Our experienced human resource holds expertise in designing and customize treatment plants according to client's requirement. We install and commission from conventional to most advance treatment technologies. We believe in reusing and recycling of resources. Our expert's trust is through strategic intervention of reuse and reduce prior to End-of-Pipe (EOP) Treatment.
As one of the emerging wastewater treatment companies, we are at the forefront in the application of treatment technologies, including:

1. Cleaner Production (Reuse, Reduce and Recycle):

- Reduce
- Reuse
- Pollution Load Reduction
- Process Optimization
- Resource Efficiency
- Waste to product

2. Waste Water Treatment (WWTP):

- Preliminary Treatment
- Primary and Secondary Treatment
- Tertiary Treatment
- Treatment Technology
- Biological Nutrient Removal (BNR)
- Sequential Batch Removal
- Sewerage Treatment Plants (STP)

3. Air Treatment Systems (ATS):

- Wet Scrubbers
- Desulphurization
- Cyclones
- Dry Scrubbers (Bag Filters)
- Multi-Stage Showering System
- Quench and Venturi Scrubbers
- Oil Trapping System for dust

Infrastructure, Design and Construction:

Pak Green Enviro 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 team of specialized individuals with different skill sets, focus on provide in our clients with the latest construction and design innovations from drainage to treatment plant.

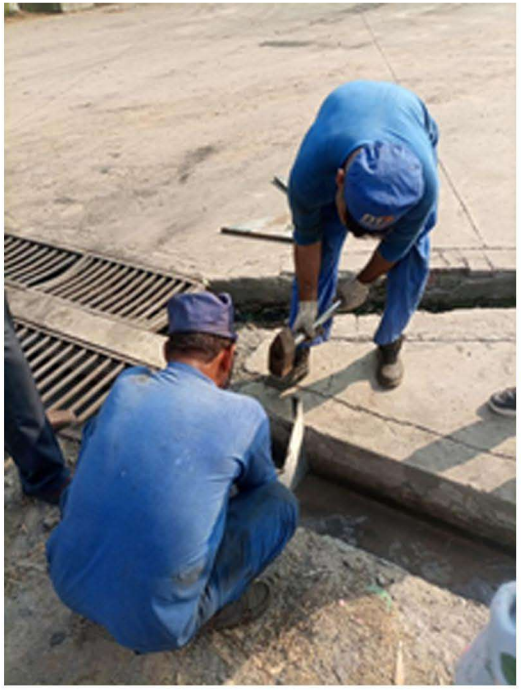


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Pak Green Group (PGG) is highly experienced in after services from plant operations to handling troubleshooting.
PGG provide highly skilled and trained staff for smooth and efficient plant operation including:

- Plant Operations and Optimization
- Operator Training
- Process Start-up and commissioning
- Equipment analysis and evaluation
- Best Treatment Practices
- Trouble Shooting

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Flow Measurement

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

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Techno-Legal

Pak Green Group look after the regulatory frameworks and legal requirement of our clients. We are specialized in compliance to the local as well as international rules and regulations. Set by authorities for employers, contractors, consultants and manufacturers etc. Pak Green Group has a highly experienced and competent legal team. Our group ensures deployment of fitting in expert for each type of case.

We deal in the following domains:

- Environmental Tribunals
- Green Benches
- Court Hearing and Matters

CLIENTS

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