

A low-angle, upward-looking photograph of several modern glass skyscrapers. The buildings are reflected in each other, creating a complex geometric pattern of lines and reflections. The sky is a clear, pale blue.

COMPANY PROFILE

2024

Consulting Engineers | Technical Advisors | Project Managers

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34-D, 6th Avenue, NFC-ECHS, Phase-I, Lahore, Pakistan

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ABOUT OUR COMPANY



A BRIEF STORY ABOUT THE COMPANY

Hike Engineering Consultants is a consulting engineering firm distinguished by its professional ownership and management. Led by a seasoned team of experts representing diverse specialized disciplines, our firm is dedicated to providing cutting-edge consultancy services across various engineering and allied fields. Since its establishment in 2013, Hike Engineering Consultants has undergone significant growth, transforming into a versatile engineering enterprise. We envision expanding our operations to encompass a diverse array of ventures, including Project Management, EPC (Engineering, Procurement, and Construction), Engineering services, Software Development, Chemicals, and Trading, thereby broadening our portfolio of activities.



BRINGING IDEAS AND INNOVATION
TO LIFE THROUGH OUR EXPERTISE





ABOUT US

Having a business structure of sole proprietorship, our company embodies the agility and adaptability of a highly professional and streamlined organization. We pride ourselves on delivering top-tier services while circumventing the constraints often associated with overly centralized structures. Hike Engineering Consultants operates across multiple disciplines, seamlessly guiding projects from conceptualization through to execution, utilizing comprehensive planning, engineering expertise, and effective management strategies.

We prioritize quality and timely delivery as integral "value-adders," reflecting our commitment to excellence. Encouraging collaboration, teamwork, and innovative thinking, our company culture empowers us to consistently surpass expectations and achieve outstanding outcomes. We boast our expert team across diverse disciplines, tailored to the specific requirements of each project. Owning international experience and affiliations with national and international firms, we are well-equipped to provide technical services, office support, and field utilities for large-scale project.

TRANSFORMING IDEAS INTO
REALITY





ABOUT US

Engineering is a discipline that applies knowledge from the realms of mathematics and natural sciences, acquired through study, practical experience, and application, to effectively harness the materials and forces of nature. Our company operates within a professional framework, adhering to modern organizational principles. We are dedicated to delivering superior services by leveraging the latest advancements in knowledge and contemporary practices. Hike Engineering Consultants prioritizes establishing robust partnerships with our clients to help them achieve their objectives. We accomplish this by leveraging our engineering and design expertise in a professional and ethical manner, maximizing the utilization of available resources to deliver optimal results. The company is committed to providing high quality services employing current state of knowledge and contemporary practices of the project till execution e.g., Hospitals, Universities & Colleges Campuses, Sports Complexes, TV/Media Centers, Urban Development, Housing Colonies, & Telecommunication

TRANSFORMING IDEAS INTO REALITY



VISION & MISSION

VISION

Hike Engineering Consultants envisions a future where innovation thrives and projects flourish, guided by a steadfast commitment to excellence and client satisfaction. With a focus on collaboration, adaptability, and cutting-edge solutions, we strive to redefine industry standards and shape a brighter tomorrow.

MISSION

- 01 Foster a culture of continuous improvement and innovation within our engineering practices, leveraging emerging technologies and methodologies to stay at the forefront of the industry.
- 02 Deepen client relationships by exceeding expectations, providing tailored solutions, and fostering long-term partnerships built on trust, transparency, and mutual success.
- 03 Promote sustainability, minimize environmental impact, and positively contribute to communities, leaving a legacy of progress and prosperity.

QUALITY MANAGEMENT SYSTEM

Hike Engineering Consultants is committed to excellence, providing exceptional engineering solutions that meet both client expectations and industry standards. Our continuous improvement and strict adherence to regulations ensure the highest quality in our services. We prioritize innovation, client satisfaction, and the professional development of our team, maintaining and advancing our leadership in quality within the industry.

- 01 Committed to upholding the highest standards of quality and performance, we dedicate ourselves to delivering outstanding engineering solutions that not only meet but exceed expectations, ensuring our clients' satisfaction and trust in our expertise.
- 02 Ensuring client satisfaction and adhering rigorously to the benchmarks set by the industry, we consistently deliver results that align with expectations and maintain the highest standards of quality.
- 03 Continuously striving for improvement and adhering strictly to regulatory guidelines, we uphold our commitment to delivering services of the highest caliber.
- 04 Focusing in fostering innovation, prioritizing client satisfaction, and nurturing the ongoing professional growth of our team.

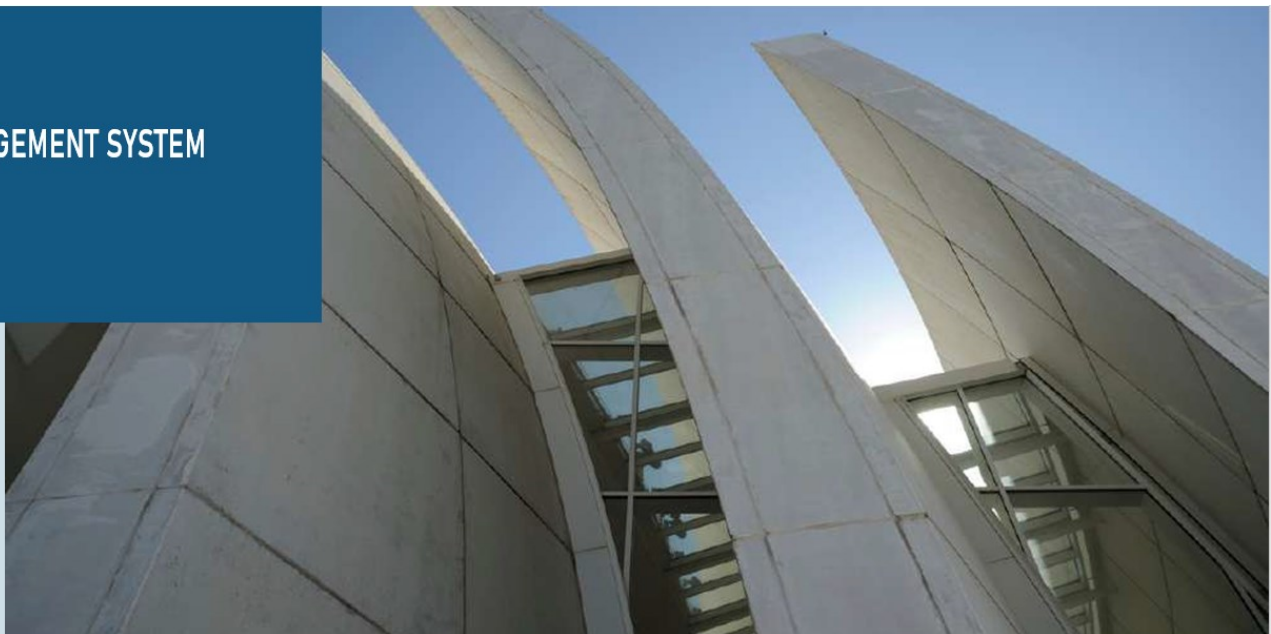
OUR QUALITY MANAGEMENT SYSTEM

Quality management systems (QMS) are essential frameworks that ensure consistent quality, efficiency, and compliance within organizations. At Hike Engineering Consultants, we prioritize the implementation and understanding of QMS to uphold our commitment to excellence in every aspect of our work.

Our QMS is designed to streamline processes, minimize errors, and continuously improve our products and services. Through meticulous planning, monitoring, and control, we uphold the highest standards of quality in every aspect of our work.

By embracing QMS principles, we not only meet customer expectations but exceed them, fostering trust and loyalty. At Hike Engineering Consultants, quality is not just a goal; it's a commitment to excellence.

QUALITY MANAGEMENT SYSTEM



WHAT IS A QUALITY MANAGEMENT SYSTEM?

A Quality Management System (QMS) is a structured framework designed to ensure that an organization consistently meets or exceeds customer expectations and regulatory requirements. It encompasses a set of policies, procedures, processes, and resources that are established, implemented, maintained, and continually improved to manage quality throughout the organization.

Key Elements Involves:

- Quality Policy
- Procedures and Processes
- Quality Objectives
- Resource Management
- Risk Management
- Measurement and Analysis
- Continuous Improvement



QUALITY MANAGEMENT SYSTEM



QUALITY POLICY

At Hike Engineering Consultants, we are dedicated to delivering excellence in every aspect of our services, meeting and exceeding the expectations of our clients and stakeholders. We are committed to establishing and maintaining a Quality Management System (QMS) in accordance with ISO 9001 standards to ensure the highest level of quality and continual improvement.

- Provide innovative and sustainable engineering solutions that meet or surpass regulatory requirements and industry standards.
- Foster a culture of excellence, professionalism, and teamwork among our employees, empowering them to contribute to our quality objectives.
- Continuously improve our processes, technologies, and practices to enhance efficiency, effectiveness, and client satisfaction.
- Communicate openly and transparently with our clients, partners, and stakeholders to understand their needs, expectations, and feedback, and strive to exceed them.
- Ensure compliance with applicable legal and regulatory requirements, as well as the requirements of ISO 9001, through rigorous monitoring, evaluation, and corrective action.
- Invest in the development of our employees through training, education, and opportunities for growth, enabling them to deliver superior quality services.
- Monitor and measure our performance against established quality objectives

PROCEDURES AND PROCESSES

Client Engagement Process:

- a. Initial Consultation: Engage with clients to understand their project requirements, objectives, and expectations.
- b. Proposal Development: Prepare comprehensive proposals outlining scope of work, deliverables, timelines, and cost estimates.
- c. Contract Negotiation: Negotiate terms and conditions with clients, ensuring alignment with project requirements and regulatory standards.
- d. Project Kickoff: Conduct project kickoff meetings to clarify roles

Project Management Process:

- a. Project Planning: Develop detailed project plans, including work breakdown structure, resource allocation, and risk assessment.
- b. Execution: Implement project activities according to the established plan, monitoring progress and ensuring adherence to quality standards.
- c. Quality Control: Conduct regular quality inspections and reviews to verify compliance with project specifications and client requirements.
- d. Change Management: Manage changes to project scope, schedule, and budget through formal change control procedures.

Design and Engineering Process:

- a. Requirements Analysis: Analyze client requirements and specifications to define project scope, constraints, and objectives.
- b. Conceptual Design: Develop conceptual design solutions and alternatives, considering technical feasibility, cost-effectiveness.

ISO CERTIFICATION | QMS



OCCUPATIONAL HEALTH & SAFETY MANAGEMENT SYSTEM

CERTIFICATE OF REGISTRATION



American International Standards
AIS
ISO 45001

HIKE ENGINEERING CONSULTANTS
34-D, 6th Avenue, NFC-ECHS, Phase-1, Near Wapda Town,
Lahore - Pakistan

Has been assessed and found to be in accordance with the standard requirements

ISO 45001:2018
Occupational Health & Safety Management System

The scope of activities covered by this certificate is defined below

Provision Services of Project Management, Infrastructure & Urban Planning, Structural Engineering, Irrigation & Hydraulic Engineering, MEP Engineering, Road and Bridge Engineering, Value & Forensic Engineering, Technical Audit, Lab & Filed Testing

REGISTRATION NUMBER	: 24PH10370
CERTIFICATE NUMBER	: AISHE2108350
REGISTRATION DATE	: May 08, 2024
ISSUE DATE	: May 08, 2024
CERTIFICATE EXPIRY	: May 07, 2027
RE CERTIFICATION DUE	: May 07, 2027



Authorized Signature

This registration was subject to the AIS terms and conditions, auditing and certification procedures. The certificate is subject to regular surveillance audits. To take care of the effectivity of certificate organization should have to Successfully pass the audits. While all due care and competence was practiced in carrying out the assessment, AIS accepts only responsibility for the proven grass negligence. this certificate remains the property of AIS. This document is copy right protected. Content could not be duplicated without the prior written permission of AIS. Any misapplication, modification and fabrication is unlawful.





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Head Office: Suite 490, Building No. 372, Montecito, CA 93108 USA
Email: info@ais-cb.com Website: www.ais-cb.com

ENVIRONMENT MANAGEMENT SYSTEM

CERTIFICATE OF REGISTRATION



American International Standards
AIS
ISO 14001

HIKE ENGINEERING CONSULTANTS
34-D, 6th Avenue, NFC-ECHS, Phase-1, Near Wapda Town,
Lahore - Pakistan

Has been assessed and found to be in accordance with the standard requirements

ISO 14001:2015
Environment Management System

The scope of activities covered by this certificate is defined below

Provision Services of Project Management, Infrastructure & Urban Planning, Structural Engineering, Irrigation & Hydraulic Engineering,
MEP Engineering, Road and Bridge Engineering, Value & Forensic Engineering, Technical Audit, Lab & Filed Testing

REGISTRATION NUMBER	: 24PH10370
CERTIFICATE NUMBER	: AISHE210834E
REGISTRATION DATE	: May 08, 2024
ISSUE DATE	: May 08, 2024
CERTIFICATE EXPIRY	: May 07, 2027
RE CERTIFICATION DUE	: May 07, 2027



Authorized Signature



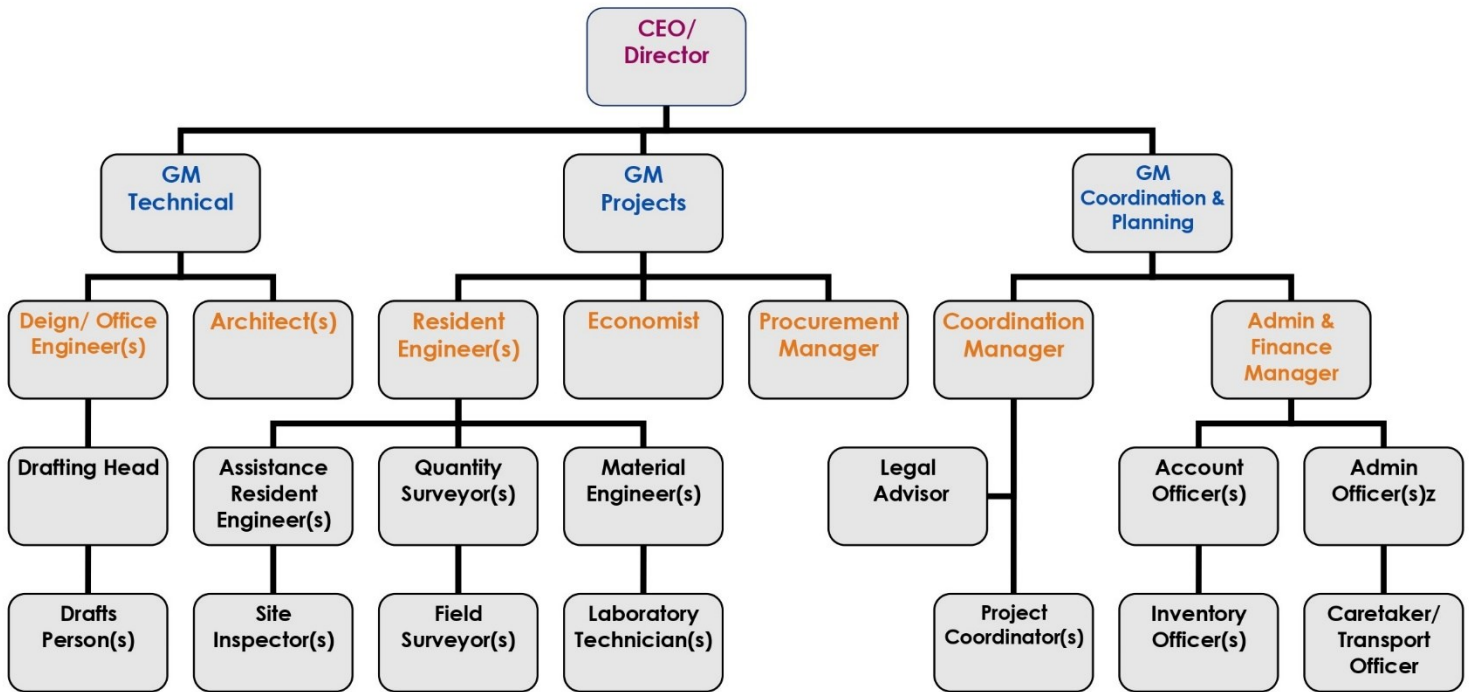


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ORGANOGRAM



REGISTRATION WITH GOVERNMENT ORGANIZATIONS

Pakistan Engineering Council (PEC) - Consult/2250

Project-Profile Code Nos: 1201, 1203 (ii) (Industrial Complexes), 1204 (iii), 1205 (i), 1206, 1208, 1210, 1212, 1213 (i), 1215 (ii) (Bridges), 1235 (Eleven Only)

(For Civil, Elect & Mech Engg Works)

Punjab Revenue Authority (PRA)

PNTN 2573606-0

Service Category: Technical Scientific & Engineering Consultants Including Technical Inspection and Certification Services

Federal Board of Revenue (FBR)




Registration No. 3310026189327

Reference No. 2573606-0

WWW.HIKE.COM.PK



PAKISTAN ENGINEERING COUNCIL (PEC)

PAKISTAN ENGINEERING COUNCIL	
Registration No: CONSULT/2250	Serial No 15759 PEC-4A
Date of Registration: 12-11-2021	
CERTIFICATE OF REGISTRATION OF PAKISTANI CONSULTING ENGINEER (UNDER PAKISTAN ENGINEERING COUNCIL ACT 1976)	
This is to certify that M/s <u>HIKE ENGINEERING CONSULTANTS</u> Address <u>34-D, NFC-ECHS, PHASE-1, NEAR WAPDA TOWN, LAHORE</u> have been registered as Consulting Engineers at Serial No <u>CONSULT/2250</u> of the Register of Pakistan Engineering Council with following particulars:-	
Type of Ownership (021,022,023,024) (SOLE PROPRIETORSHIP)(ENGR. MUHAMMAD MUDASSAR MUSHTAQ, CIVIL/20399)	
Field of Specialization	
(Project-profile Code Nos.) 1201,1203(ii)(INDUSTRIAL COMPLEXES),1204(iii),1205(i),1206,1208,1210,1212,1213(i),1215(ii)(BRIDGES),1235(ELEVEN ONLY) (FOR CIVIL, ELECT & MECH ENGG WORKS ONLY)	
SERVICE CODES: 0502,0506,0507,0509,0511,0516,0517,0518,0532,0533,0534,0535,0536,0537,0538,0539,0540,0541,0542,0543,0544,0545,0546,0547,0548,0549,0564,0571,0572,0575,0592,0596 (THIRTY-TWO ONLY) (FOR CIVIL, ELECT & MECH ENGG WORKS ONLY)	
Date of Issue: 27/05/2024	  Registrar - Pakistan Engineering Council, Islamabad.
Note:	
1. This Certificate of Registration shall expire on 30th June 2026 and will be renewed on payment of the required fee before 31st July, 2026.	
2. Description of project profile codes is shown on reverse.	

FEDERAL BOARD OF REVENUE (FBR)

6/11/2021



Online NTN/STRN Inquiry

Printed On: 6/11/2021 9:58:55 AM

Registration No 3310026189327
Reference No 2573606-0
STRN
ST Registered On
Name MUHAMMAD MUDASAR MUSHTAQ
Category Individual - Pakistani Male
PP/REG/INC No.
Email mmm****aq@***il.com
Cell 00923**840**87
Address 34 - D, NFC - ECHS, PHASE - 1, NEAR WAPDA TOWN, Lahore
Registered On 21-JAN-2006
Tax Office RTO FAISALABAD
Registration Status Income Tax: Active

Sr.	Business/ Branch Name	Business/ Branch Address	Principal Activity
1	Hike Engineering Consultants	34 - D, NFC - ECHS, PHASE - 1, NEAR WAPDA TOWN, Lahore	711000-Professional, scientific and technical activities/Architectural and engineering activities and related technical consultancy/Architectural and engineering activities and related technical consultancy

PUNJAB REVENUE AUTHORITY (PRA)

7/15/2021

Details



Date : 15-07-2021

Time : 11:37:36

PNTN

2573606-0

Category

INDIVIDUAL

Name

MUHAMMAD MUDASAR MUSHTAQ

Business Name

Sr.	Business Name
1.	HIKE ENGINEERING CONSULTANTS

CNIC/Reg No.

33**026*89***

Address

34 D,6TH AVENUE,NFC-ECHS, PHASE-1, LAHORE

Block/Sector/Road

NFC-ECHS, PHASE-1,

City

LAHORE

Service Category

TECHNICAL SCIENTIFIC & ENGINEERING CONSULTANT INCLUDING TECHNICAL INSPECTION AND CERTIFICATION SERVICES, ,9815.5000

Date of Registration with PRA 7/15/2021 12:00:00 AM

Operational Status at PRA Active

[Print](#)

[Back](#)



OUR ENGINEERING EXCELLENCE,
SHAPING TOMORROW'S WORLD.

FIELDS OF SPECIALIZATION

hike engineering consultants, having experts in almost all civil engineering disciplines, specializes in the fields of:

- Project Management
- Infrastructure & Urban Planning
- Structural Engineering
- Irrigation & Hydraulic
- Engineering MEP Engineering
- Road and Highway Engineering
- Value & Forensic Engineering
- Technical Audit, Laboratory & Filed Testing





ORGANIZE, LEAD, SUCCEED

PROJECT MANAGEMENT

PROJECT INITIATION

- Define project objectives, scope, and deliverables.
- Conduct Feasibility Studies (Technical, Financial, Environmental, Social etc.).
- Site assessments.
- Establish project team and roles.

PLANNING PHASE

- Develop a comprehensive project plan, including schedules, and resource allocation with Budgetary Planning.
- Identify risks and develop mitigation strategies.
- Obtain necessary permits and approvals.
- Define quality standards and procedures.

DESIGN AND ENGINEERING

- Develop detailed engineering designs and specifications of all respective fields.
- Coordinate with planners, architects, engineers, and other stakeholders.
- Ensure compliance with governing building codes and regulations.
- Incorporate sustainability, environmental and social considerations.

CONSTRUCTION PHASE

- Supervise construction activities and progress.
- Monitor adherence to schedule, budget, and quality standards.
- Ensure compliance with governing building codes and regulations..

QUALITY CONTROL AND ASSURANCE

- Implement quality control measures and inspections. Conduct testing and evaluations.
- Address deficiencies and non-conformities promptly

PROJECT MONITORING AND CONTROL

- Track project performance against baseline metrics.
- Monitor budget expenditures and resource utilization.



PLAN, EXECUTE, DELIVER

PROJECT MANAGEMENT

PROJECT MONITORING AND CONTROL

- Track project performance against baseline metrics.
- Monitor budget expenditures and resource utilization.
- Adjust plans and strategies as needed.
- Communicate progress and issues to stakeholders.

RISK MANAGEMENT

- Continuously assess and manage project risks.
- Implement risk mitigation strategies.
- Monitor external factors that could impact the project.
- Maintain contingency plans.

STAKEHOLDER MANAGEMENT

- Maintain regular communication with stakeholders.
- Provide updates on project status and milestones.
- Address concerns and resolve conflicts.
- Ensure transparency and accountability.

CLOSEOUT PHASE

- Conduct final inspections and audits.
- Obtain project acceptance and sign-off.
- Complete documentation and record-keeping.
- Conduct lessons learned and post-project evaluation.





PLAN FOR PROSPERITY

INFRASTRUCTURE & URBAN PLANNING

URBAN PLANNING

- Comprehensive analysis of demographics, land use, transportation, and infrastructure.
- Long-term vision development with stakeholder engagement.
- Formulation of land use plans and zoning regulations.
- Continuous review and updates to adapt to changing needs.

TRANSPORTATION PLANNING

- Design and management of road networks, public transit, and pedestrian / bicycle infrastructure.
- Traffic studies and modeling for optimized flow and congestion reduction.

- Promotion of alternative modes to reduce reliance on automobiles.
- Integration with land use planning for sustainable development

INFRASTRUCTURE DEVELOPMENT

- Planning, design, and construction of water, wastewater, stormwater, and utilities.
- Infrastructure resilience for natural disasters and climate change.
- Adoption of innovative and sustainable technologies.
- Coordination with development projects for maximum benefits.

HOUSING AND COMMUNITY DEVELOPMENT

- Affordable housing development and mixed-income neighborhoods. Equitable access to housing and amenities.
- Community development initiatives and social services provision.
- Policies to prevent displacement and foster inclusive growth.



FOSTERING COMMUNITY'S GROWTH

INFRASTRUCTURE & URBAN PLANNING

ENVIRONMENTAL PLANNING

- Protection & preservation of natural resources.
- Mitigation of environmental impacts through green infrastructure & sustainable design.
- Integration of sustainability and resilience principles.
- Promotion of environmental justice and equitable distribution of benefits.
- Promotion of transparency and accountability.

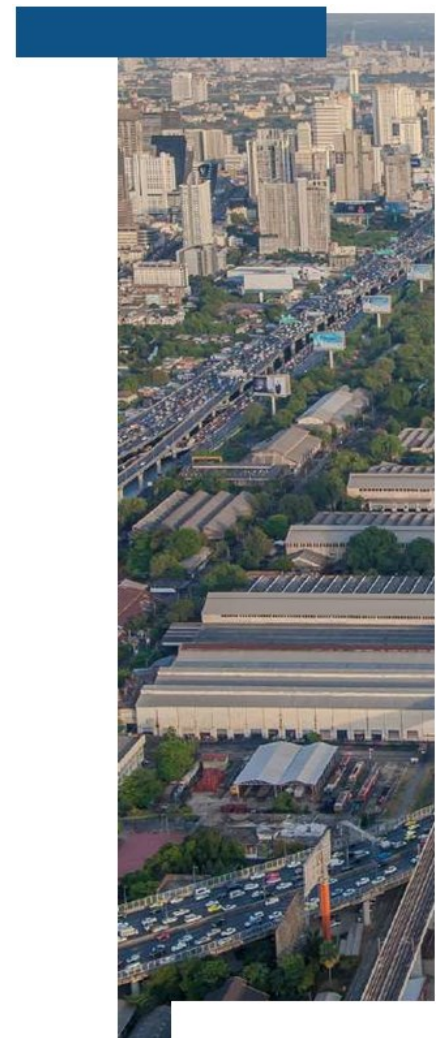
ECONOMIC DEVELOPMENT

- Investments in infrastructure and workforce development.

- Support for entrepreneurship and small businesses.
- Attraction of private investment through partnerships and reduction.

GOVERNANCE AND POLICY

- Establishment of clear policies and regulations.
- Collaboration among government agencies, stakeholders, and private sector.
- Monitoring and evaluation of planning initiatives.





INNOVATE STRUCTURAL DESIGN

STRUCTURAL ENGINEERING

DESIGN AND ANALYSIS

- Conduct structural analysis to assess loads and forces on buildings and infrastructure. Design structural elements like beams, columns, and foundations to withstand loads.
- Utilize computer-aided design (CAD) and structural analysis software for modeling.

MATERIALS SELECTION

- Choose appropriate materials (e.g., concrete, steel) based on structural requirements and environmental factors.
- Consider material properties such as

strength, durability, and corrosion resistance.

- Incorporate sustainable materials when feasible.
- Implement quality control measures to maintain structural integrity.

RETROFITTING & REHABILITATION

- Collaborate with architects and contractors to integrate structural design with construction plans.
- Monitor construction activities to ensure compliance with design specifications and building codes.

SEISMIC ENGINEERING

- Design structures to resist earthquake forces. Incorporate seismic isolation and damping systems for mitigating seismic effects.
- Develop retrofitting strategies for existing structures in seismic-prone areas.

BRIDGE ENGINEERING

- Design and analyze bridge structures for various applications.
- Consider factors like traffic loads, environmental conditions, and design aesthetics.
- Conduct inspections and maintenance to ensure safety and functionality.



BLUEPRINTS OF TOMORROW

STRUCTURAL ENGINEERING

FORENSIC ENGINEERING

- Investigate structural failures and accidents to determine causes.
- Analyze structural damage and performance deficiencies. Provide recommendations for remedials

CODE COMPLIANCE AND REGULATIONS

- Stay updated on building codes, standards, and regulations.
- Ensure designs comply with legal requirements and industry standards.
- Collaborate with regulatory authorities for approvals and permits.

TYPE & CHARACTERISTICS OF STRUCTURES

- Steel and Concrete Structures. Industrial facilities and Process Buildings.
- Pipe Racks.
- Table Top & Elevated Structures.
- Warehouse (with or without Shell structural system) Prilling Towers & Silos Underground Services for Plants
- Equipment Foundations. Pile Foundations.
- Tank Foundations. Compressor and Turbine
- Foundations (including dynamic analysis).
- Elevated and Underground Tanks.

- High Rise & Residential Buildings.
- Bill Boards & Sign Boards
- Steel structures and Transmission towers
- Rehabilitation & Structurally Strengthen of Structures
- Investigation & Structurally Strengthen of Building(s) after Natural or other hazards, like fire, earthquake, wind etc.
- Strengthen of Existing Structurally failed Building(s)
- Rehabilitation & Strengthen of Old and Historic Buildings
- Domes, Skylights, Minarets, Chimneys etc.
- Steel Towers and Masts



SUSTAINABLE WATER SOLUTIONS

IRRIGATION & HYDRAULIC ENGINEERING

DESIGN AND PLANNING

- Develop irrigation systems for efficient water distribution to crops.
- Design channels, pipelines, and pumping stations to transport water.
- Plan drainage systems to manage excess water and prevent waterlogging.

HYDRAULIC STRUCTURES

- Design and construct dams, reservoirs, and weirs to regulate water flow.
- Build barrages and diversion structures to control river flow. Construct spillways and floodgates for flood control and management.

WATER MANAGEMENT

- Optimize water usage through efficient irrigation techniques like drip and sprinkler systems.
- Implement water conservation measures to reduce waste and improve sustainability.
- Monitor water quality and ensure compliance with regulations.

HYDROLOGY AND HYDRAULICS

- Analyze rainfall patterns and runoff to determine water availability.
- Calculate flow rates and hydraulic gradients for designing water conveyance systems.
- Model river behavior.
- Hydraulic Design of Main Canal & Distribution

- System including Head & Cross Regulators, Super-Passage/Syphon, Falls, Multi-Level depressed Culvert, Single & Multi Span Bridge/ Culvert.

SOIL-WATER INTERACTION

- Study soil properties and infiltration rates to assess water absorption.
- Design drainage systems to prevent soil erosion and salinization. Implement soil conservation practices to maintain soil fertility



PRECISION IRRIGATION DESIGN

IRRIGATION & HYDRAULIC ENGINEERING

ENVIRONMENTAL IMPACT ASSESSMENT

- Evaluate the environmental impact of irrigation projects on ecosystems and biodiversity.
- Mitigate adverse effects through habitat restoration and conservation measures.
- Incorporate sustainable practices to minimize environmental degradation.

REMOTE SENSING & GIS

- Use satellite imagery and geographic information systems (GIS) for mapping and monitoring water resources.
- Analyze land use and land cover changes to assess their impact on water availability.

- Utilize remote sensing data for crop monitoring and drought prediction.

WATER POLICY AND MANAGEMENT

- Develop water management policies and regulations to ensure equitable distribution and sustainable use of water resources.
- Facilitate stakeholder engagement and community participation in water governance.
- Implement water pricing mechanisms and incentives to promote water conservation and efficiency.

RESEARCH AND INNOVATION

- Conduct research on advanced irrigation technologies and hydraulic engineering.

- Innovate new approaches for water resource management and flood control. Collaborate with academia, industry, and government agencies to address emerging challenges in water engineering.



INTEGRATED SYSTEMS EXPERTISE

MEP ENGINEERING

MECHANICAL ENGINEERING

- Design heating, ventilation, and air conditioning (HVAC) systems for buildings.
- Size and select HVAC equipment such as chillers, boilers, and air handling units. Design ductwork and piping layouts for efficient air and water distribution.
- Optimize energy efficiency and indoor air quality through HVAC system design.

ELECTRICAL ENGINEERING

- Design electrical systems for power distribution, lighting, and fire alarm systems.
- Specify electrical equipment such as transformers, switchgear, and

- Design lighting layouts for optimal illumination and energy efficiency.
- Ensure compliance with electrical codes and safety standards.
- Electrical (Commercial & Industrial) design
- HT/LT switchgear quality inspection.
- System maintenance planning.
- Engineering staff training for electrical design and development work.

- Cost reduction in utilities in process machines.

PLUMBING ENGINEERING

- Design plumbing systems for water supply, drainage, and sewage disposal.

- Size and select plumbing fixtures, piping, and pumps.
- Design sanitary and storm water drainage systems to
- Water Supply System (Commercial & Industrial) Design.
- Sewerage System (Commercial & Industrial) Design.
- Storm Water Design. Drainage System Design. Industrial Effluent Design.

FIRE PROTECTION ENGINEERING

- Design fire suppression systems including sprinklers, standpipes, and fire pumps.
- Specify fire detection and alarm systems for early warning of fire incidents.



BUILDING SYSTEMS MASTER

MEP ENGINEERING

FIRE PROTECTION ENGINEERING

- Design smoke control systems to manage smoke movement in case of fire.
- Ensure compliance with fire codes and regulations for life safety.

BUILDING AUTOMATION SYSTEMS (BAS)

- Design and integrate building automation systems for centralized control of MEP systems.
- Specify sensors, actuators, and controllers for monitoring and regulating building conditions. Implement energy management strategies for optimizing MEP system performance.

- Provide remote monitoring and diagnostics capabilities for proactive maintenance.

ENERGY MODELING AND ANALYSIS

- Perform energy modeling to evaluate the energy performance of MEP systems. Analyze energy consumption and identify opportunities for energy savings.
- Recommend energy-efficient technologies and design strategies.
- Provide life cycle cost analysis to assess the economic viability of energy-saving measures.

COMMISSIONING AND TESTING

- MEP System Commissioning: Ensure Installation &

- Functionality. HVAC Testing & Balancing Verify the performance of electrical and plumbing systems against design specifications.

- Document & Report Compliance Findings. Sustainability and Green Building:
- Sustainable MEP for Green Certification.
- MEP Systems: Energy-Efficient, Water-Wise, Healthy Indoors Specify Solar PV & Geothermal Systems.
- Collaborate with architects and other design professionals to achieve sustainability goals



ROAD ENGINEERING EXCELLENCE

ROAD AND HIGHWAY ENGINEERING

ROADWAY DESIGN

- Design alignment, profile, and cross-sectional elements of roads.
- Determine lane configurations, road width, and shoulder types.
- Implement standards for curvature, grade, and sight distance to ensure driver safety.

TRAFFIC ENGINEERING

- Analyze traffic flow and capacity to optimize roadway efficiency.
- Design traffic control devices such as signals, signs, and markings.
- Implement intelligent transportation systems (ITS) for enhanced traffic management.

PAVEMENT ENGINEERING

- Design pavement structures including asphalt, concrete, and composite systems.
- Perform soil testing and materials selection for subgrade and base layers. Implement pavement management systems for maintenance and rehabilitation planning.

SAFETY ANALYSIS

- Conduct road safety audits and collision analysis.
- Design roadway features to enhance safety, including barriers, lighting, and pedestrian facilities.
- Implement road safety improvement programs based on accident data.

ENVIRONMENTAL CONSIDERATIONS

- Assess environmental impacts of highway projects through environmental impact statements.
- Design drainage systems for storm-water management and erosion control.
- Implement green construction practices to minimize environmental footprint.

CONSTRUCTION MANAGEMENT

- Highway Construction: Design Compliance Oversight
- Construction Coordination: Contractors, Engineers, Stakeholders.
- Construction Monitoring



INHERENT DESIGN PRECISION

ROAD AND HIGHWAY ENGINEERING

REGULATORY COMPLIANCE

- Ensure highway designs comply with national and local standards and regulations.
- Obtain necessary permits and approvals from governmental agencies.
- Stay updated on changes in laws and standards affecting highway engineering.

INNOVATIVE TECHNOLOGIES

- Incorporate advanced materials and technologies such as high-performance concrete or recycled materials.
- Utilize geospatial and modeling technologies for design and management.

MAINTENANCE & REHABILITATION

- Design maintenance strategies for extending the life of highway infrastructure.
- Evaluate existing road conditions and prioritize rehabilitation efforts.
- Implement maintenance operations





OPTIMISED SOLUTIONS

VALUE & FORENSIC ENGINEERING

VALUE ENGINEERING

Value Engineering is primarily applied during the planning stages of a project but can be implemented during any phase to improve profitability, efficiency, and effectiveness

OBJECTIVE OPTIMIZATION

- Aim to maximize the function of a product or project at the lowest cost.
- Focus on the value ratio of function to cost.

FUNCTION ANALYSIS

- Identify and analyze the functions of an item or process essential for performance.
- Enhance overall system efficiency.

COST REDUCTION

- Evaluate all aspects of a project to identify potential cost savings without compromising quality or performance.
- Implement strategies to reduce unnecessary expenditures.

MULTIDISCIPLINARY TEAMWORK

- Utilize a team from diverse disciplines to bring different perspectives and expertise.
- Encourage creative problem-solving and innovation through collaborative brainstorming.

LIFECYCLE ANALYSIS

- Consider the entire lifecycle cost of a project or product, from conception to disposal.
- Optimize long-term investments focusing on sustainability and operational costs.

ALTERNATIVE SOLUTIONS

- Generate multiple alternatives for achieving the desired functions.
- Compare and assess these alternatives based on cost effectiveness and reliability.

VALUE & FORENSIC ENGINEERING

IMPLEMENTATION STRATEGIES

- Develop actionable plans to integrate the most cost-effective solutions.
- Ensure smooth execution with minimal disruption to ongoing operations.

PERFORMANCE MONITORING

- Track the performance of implemented solutions against expected outcomes.
- Use feedback to refine and optimize processes continually

FORENSIC ENGINEERING

- Forensic engineering is crucial in understanding why
- engineering failures occur and in preventing future incidents by providing

- critical insights and recommendations derived from thorough investigations

INCIDENT INVESTIGATION

- Investigate failures in structures, materials, products, or systems that have caused accidents or do not function as intended.
- Examine the sequence of events that led to the failure.

ROOT CAUSE ANALYSIS

- Determine the underlying reasons for the failure through detailed analysis.
- Utilize scientific and engineering principles to
- uncover the causes of failures.

EVIDENCE COLLECTION

- Collect and preserve physical evidence from the site of the incident.
- Use photographs, samples, and other data gathering techniques to document findings.

TECHNICAL ASSESSMENT

- Perform tests and simulations to analyze hypotheses about the failure.
- Use advanced tools and technologies for precise measurements and reconstruction.



COMPREHENSIVE TESTING SOLUTIONS

TECHNICAL AUDIT, LABORATORY & FILED TESTING

TECHNICAL AUDIT

Technical audits serve as a systematic review process to assess the technical aspects of operations, identify areas for improvement, and ensure compliance with standards and regulations

COMPLIANCE REVIEW

- Assess adherence to industry standards, regulations, and internal policies.
- Verify that processes and procedures comply with legal requirements and best practices.

DOCUMENTATION EXAMINATION

- Review technical documentation, including design specifications, operational manuals.

- Ensure documentation accuracy, completeness, and alignment with actual practices.

PERFORMANCE EVALUATION

- Analyze the performance of equipment, systems, or processes against established benchmarks or performance indicators.

RISK ASSESSMENT

- Identify potential risks related to equipment failure, safety hazards, or operational deficiencies.
- Evaluate the likelihood and impact of identified risks on business operations.

RECOMMENDATIONS AND IMPROVEMENT

- Provide recommendations for corrective actions or identify areas of inefficiency, underperformance, or non-compliance.
- Propose strategies to enhance operational efficiency, reliability, and safety



INTEGRATED TESTING SOLUTIONS

TECHNICAL AUDIT, LABORATORY & FILED TESTING

AUDIT REPORTING

- Compile findings, conclusions, and recommendations into a comprehensive audit report.
- Present audit results to management or stakeholders for review and decision-making.

FOLLOW-UP AND MONITORING

- Monitor the implementation of audit recommendations and corrective actions.
- Conduct follow-up audits to assess the effectiveness of implemented measures and ensure sustained compliance.

LABORATORY TESTING

Laboratory testing plays a crucial role in product development, quality assurance, and compliance across various industries, providing essential data and insights to support decision-making and ensure product integrity.

MATERIAL ANALYSIS

- Assess the composition, structure, and properties of materials.
- Determine material suitability for specific applications or industries.

QUALITY CONTROL

- Verify the quality and consistency of results.
- Ensure products meet specified standards and requirements.

PERFORMANCE TESTING

- Evaluate the performance characteristics of products or components.
- Test durability, reliability, and functionality under controlled conditions.

ENVIRONMENTAL TESTING

- Analyze the impact of environmental factors on materials or products.
- Test for resistance to temperature, humidity, corrosion, and other environmental stressors



THOROUGH ASSESSMENT SERVICES

TECHNICAL AUDIT, LABORATORY & FILED TESTING

CHEMICAL ANALYSIS

- Identify and quantify chemical components in materials or products.
- Assess chemical properties, purity, and compatibility.

MECHANICAL TESTING

- Measure mechanical properties such as strength, hardness, and elasticity.
- Conduct tension, compression, bending, or impact tests to assess mechanical performance.

PROTOTYPE VALIDATION

- Test prototypes to validate design concepts and performance predictions.
- Identify design flaws or areas for improvement.

RESEARCH AND DEVELOPMENT SUPPORT

- Provide data and insights to support research and development efforts.
- Assist in product design, optimization, and innovation.

REGULATORY COMPLIANCE

- Ensure compliance with regulatory requirements and industry standards.
- Perform tests to meet certification or accreditation criteria.

FIELD TESTING

Field testing provides valuable insights into the performance and usability, helping to validate design assumptions, identify potential issues, and

optimize performance for end-users.

REAL-WORLD PERFORMANCE EVALUATION

- Assess how products, systems, or equipment perform under actual operating conditions.
- Measure performance metrics in real-world environments

SITE-SPECIFIC ANALYSIS

- Conduct tests directly at the location where the equipment or system will be used.
- Evaluate the influence of environmental factors, such as weather, terrain, and temperature, on performance



ROBUST TESTING FRAMEWORKS

TECHNICAL AUDIT, LABORATORY & FILED TESTING

USER EXPERIENCE FEEDBACK

- Gather feedback from end- users on usability, functionality, and satisfaction with the product or system. Incorporate user insights to identify areas for improvement and enhance user experience.

INSTALLATION VERIFICATION

- Verify alignment with design specifications and performance requirements

FUNCTIONAL CHECKS

- Ensure Equipment Integration with Infrastructure and industry standards infield operations.
- Conduct tests to validate adherence to safety,

environmental, and performance regulations

MAINTENANCE ASSESSMENT

- Evaluate the need for maintenance or repairs based
- on field performance observations.
- Spot potential issues to prevent downtime or operational disruptions. Detailed reports summarizing field test results, conclusions

REGULATORY COMPLIANCE VERIFICATION

- Ensure compliance with regulatory requirements.
- Confirm that equipment or systems operate as intended and meet performance expectations.

Test functionality, calibration, and safety features in real- world scenarios.

OUR TEAM IS OUTSTANDING



SHORT STORY ABOUT SUPER TEAM

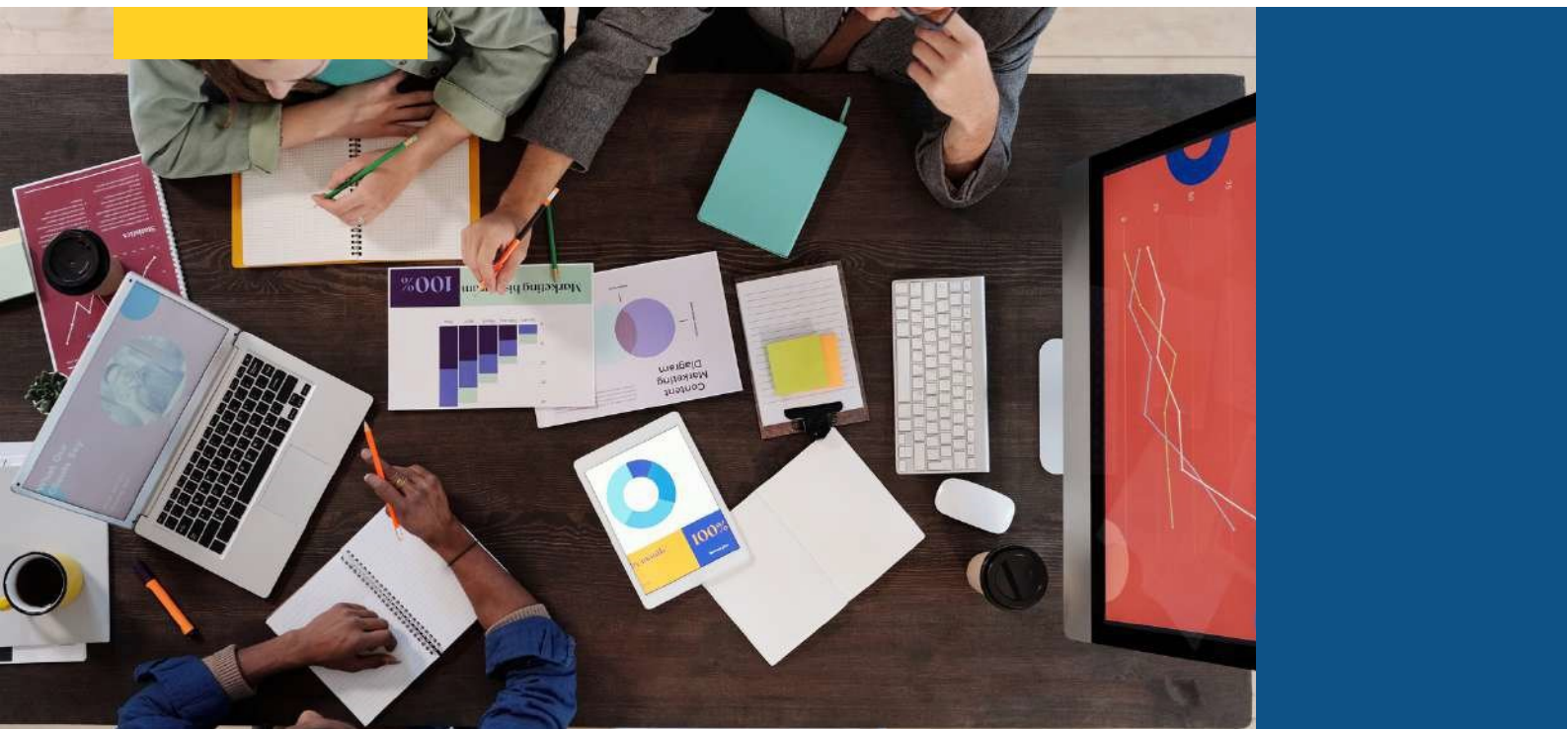
Celebrating our greatest pride: a seasoned, professional team boasting decades of collective experience and an unyielding commitment to excellence in all our endeavors.

Team Effective Level
Percentage

92%

Healthy Office Ecosystem
Percentage

96%



MUHAMMAD MUDASSAR MUSHTAQ

THE CHIEF EXECUTIVE OFFICER



In his current role as the CEO and Design Team Leader at Hike Engineering Consultants, he oversees all aspects of project management, from initial concept development to final delivery. Being responsible for business development, project planning, resource management, and stakeholder coordination. Mushtaq's leadership and strategic vision have been instrumental in the company's growth and success, establishing Hike Engineering Consultants as a reputable firm in the field of civil engineering.

PROFESSIONAL SKILLS

- Structural Analysis & Design
- Project Management
- Business Development
- Team Leadership
- Regulatory Compliance Seismic & Dynamic Analysis
- Stakeholder Coordination
- Budgeting & Cost Estimation
- Computer-Aided Design
- Risk Management
- Tender Documentation
- Technical Report Writing
- Construction Supervision
- Detailing and Supervision
- Arbitration
- Stakeholder Coordination
- Structural Health Assessment
- Feasibility Studies
- Environmental Considerations
- International Codes and Standards

 CHIEF EXECUTIVE OFFICER

Muhammad Mudassar Mushtaq is a highly professional Civil Engineer with over 24 years of professional experience specialized in structural engineering. As the CEO and Design Team Leader at Hike Engineering Consultants, he has demonstrated exceptional leadership and expertise in delivering outstanding engineering solutions. With a strong background in civil engineering and a dedication to excellence, Mushtaq has successfully managed a wide range of projects, including public buildings, bridges, industrial structures, and irrigation systems. His expertise encompasses a wide range of projects, including the rehabilitation and enhancement of barrages, canals, and distribution systems, as well as the design of various public infrastructure such as buildings, hospitals, housing schemes, mosques, universities, overhead water tanks, water supply structures, highway bridges, schools, microwave towers, underpasses, industrial structures, and irrigation systems. His skill set includes meticulous detailing and supervision of structural plans for reinforced concrete and steel structures, along with proficiency in preparing Bills of Quantities, Engineer's Cost Estimates, and Bar Bending Schedules. Mudassar has hands-on experience in site supervision for both building and highway construction projects. With a strong grasp of international codes of practice and design standards, including those of the American Concrete Institute (ACI), American Institute of Steel Construction (AISC), Uniform Building Code (UBC), International Council of Building Officials (ICBO), and the British Standards Institution (BSI), Mudassar ensures compliance with industry best practices.

MUHAMMAD ARIF MIRZA

KEY TEAM MEMBER

Arif has 22+ years of experience as Plant Manager, Operations Manager, Head of Maintenance, Maintenance Engineer, Assistant Manager, Project Engineer, Shift Engineer in the industrial sector of Pakistan and abroad. Worked as Engineering professional in the industrial sectors of Pakistan and abroad. The main industry includes Thermal power stations, Petro chemicals, Refineries, Oil and gas pipelines, Energy Planning conservation and development, Chemicals, Ceramics, Engineering industry, Cement industry, Textile industry, Fertilizers industry, Chemical plants, Renewable energy sources and Systems etc. The key areas of services include Feasibility studies, technical studies, Industrial design, Engineering design, Mechanical design, Process Design, Power Plants Engineering, Supervision/inspection of equipment installation, Project management, technical assistance and advisory services, Process evaluation & selection, Operations and maintenance, Maintenance planning, Quality control, Professional trainings etc. IOSH Managing Safely at work V 5.0 Certified. Authorized as Plant Safety Controller since 2013 to-date. Took part in the plant commissioning and COD activities according to the guidelines of PPA, GSA, FSA, EPC, O&M contracts of 404 MW Uch Power Plant and 32 MW AEL DESCON Power plant. Worked on the Power plants including Steam turbines, Boilers of capacity 220 tons 95 bar 530 C, 25-ton 20 bar 500 C, 10 tons 15 bar 480 C, 5 tons etc. Gas Turbines, HFO engines, Gas engines, associated BOPs and Auxiliaries. Worked overseas on the oil and gas facilities in UAE, Malaysia, Saudi Arabia and Bahrain both onshore and offshore installations. Worked as Project Manager in the Plant modification activities like Air handling and filtration system, Exhaust system, radiator efficiency improvement, 10-ton crane uplifting project at 32 MW AEL DESCON Power Plant.

LIAQAT ALI MIRZA

KEY TEAM MEMBER

Liaqat emerges as a seasoned Professional Electrical Engineer, boasting a profound academic foundation from UET Lahore, augmented by an illustrious 47-year journey characterized by hands-on involvement in every facet of the electrical engineering spectrum. His expertise radiates across the intricate domains of design, erection, commissioning, and meticulous supervision of substations, encompassing the entire gamut from low voltage (LV) to extra high voltage (EHV) systems. With an unwavering confidence in his acquired skills and extensive reservoir of past experiences, Liaqat perceives himself as the quintessential fit for engineering, automation, and energy-centric endeavors. His prowess extends beyond conventional boundaries, delving into multifaceted realms of electrical engineering, including but not limited to, comprehensive engineering design undertakings, operational fine-tuning of electrical systems, nuances of electronics, and the intricate world of automation and controls. A niche expertise lies in his adeptness in earthing systems performance testing and the meticulous design and installation testing of substation lighting systems, showcasing an unparalleled attention to detail and a commitment to precision. Liaqat's professional voyage has been punctuated by noteworthy tenures at esteemed establishments such as Lahmeyer International in Abu Dhabi, ZALCO Industries in Pakistan, and the Saudi Consolidated Electric Co. in Saudi Arabia, all the while leaving an indelible mark through his diligent contributions. His journey reflects a confluence of theoretical acumen and practical proficiency, culminating in a repertoire of skills that render him an indispensable asset in the realm of electrical engineering, particularly in the pivotal domains of substation design, automation, and energy management.

MUHAMMAD TUFAIL



KEY TEAM MEMBER

With an extensive career spanning over 28 years, he has established himself as a seasoned civil engineer dedicated to delivering excellence in every project undertaken. Holding a Bachelor's degree in Civil Engineering from U.E.T Lahore, he has honed his skills in project management, structural engineering, and construction supervision across a diverse range of sectors including residential, commercial, and industrial. His track record speaks volumes about his ability to successfully manage projects from inception to completion, ensuring adherence to quality standards, timelines, and budgetary constraints. In his current role as Resident Engineer/Structural Engineer at M/s Hike Engineering Consultants, he has been entrusted with key projects such as the construction of residential units, multi-storied buildings, and structural stability reviews, where he has consistently demonstrated his expertise in overseeing project progress, conducting structural design calculations, and ensuring compliance with engineering standards and regulations. Prior to this, he has held pivotal positions at renowned organizations, where he gained invaluable experience in project coordination, proposal preparation, and contract management, managing project progress, and upholding safety and quality standards. Additionally, he has collaborated with a diverse range of organizations such as Local Government and Community Development, contributing to the successful completion of projects and gaining valuable insights into various facets of civil engineering. His expertise extends to areas such as construction management, quality assurance, budgeting, and client relationship management. Proficient in utilizing engineering software and tools, he possesses excellent communication and leadership skills that enable him to effectively collaborate with multidisciplinary teams and stakeholders.

ZAHIDA HUMERA SHAFI



KEY TEAM MEMBER

As an accomplished economist and seasoned banking professional with over two decades of experience, she is deeply committed to contributing her expertise to innovative and challenging projects. Her journey in the financial sector began with a solid educational background, including an MBA in Finance from The International University and an M.A. in Economics from The University of Punjab. This academic foundation equipped her with strong analytical abilities and a comprehensive understanding of economic principles, laying the groundwork for a successful career. During her tenure at Askari Bank Limited, where she served as In-charge Credits and Senior Relationship Manager, she managed a funded credit portfolio of Rs. 2 billion. Her responsibilities encompassed a wide range of tasks, including credit risk analysis, financial planning, and portfolio management. She spearheaded efforts to evaluate credit risk, monitor portfolio performance, and ensure compliance with regulatory requirements. Through proactive monitoring and diligent risk assessment, she successfully mitigated potential defaults and minimized financial risks, contributing to the bank's overall stability and profitability. Prior to her role at Askari Bank Limited, she gained invaluable experience at Allied Bank of Pakistan, where she held various positions including Branch Manager and In charge Credits. During her seven-year tenure, she honed her skills in relationship management, credit analysis, and financial restructuring. Currently, as an Economist at Hike Engineering Consultants, she collaborates with civil engineers to estimate the costs of construction projects and assess their economic viability. Leveraging economic models and data analysis techniques, she provides accurate cost estimates and identifies cost-saving opportunities to optimize project financing structures and enhance profitability.

SOBIA RAZZAK



KEY TEAM MEMBER

As a registered architect with a profound interest in research, teaching, and practical application, she brings a diverse array of skills and experiences to the field of architecture. Currently pursuing a Ph.D. in Architecture and holding a Master's degree, complemented by a Bachelor's degree from the University of Engineering and Technology, Lahore, she has cultivated a robust foundation in architectural theory, design principles, and research methodologies. With a rich academic background and extensive professional experience, she has refined her skills in architectural design, particularly focusing on heritage conservation and adaptive reuse. Her research and teaching interests revolve around architectural heritage conservation, igniting her passion for safeguarding cultural landmarks and seamlessly integrating them into modern urban contexts. Her research pursuits have delved into diverse topics, ranging from evaluating community park designs to analyzing on-street parking trends in urban neighborhoods. Additionally, she has explored themes like the involvement of women in disaster mitigation and the revitalization of architectural heritage through social media engagement. These research endeavors have not only broadened her understanding of the built environment but have also contributed valuable insights to the architectural community. As a Registered Architect with the Pakistan Council for Architects and Town Planners since 2008 and a member of the Institute of Architects of Pakistan since 2012, she has remained actively involved in professional development and networking within the architectural realm.

With a fusion of academic rigor, practical experience, and an unwavering dedication to architectural excellence, she is committed to making meaningful contributions to the field.

JOSHUA SHAKIL



KEY TEAM MEMBER

Bringing a wealth of experience and expertise in structural engineering and construction management, this professional has cultivated diverse roles in the industry. Currently serving as a Junior Structural Engineer at Hike Engineering Consultancy, he is entrusted with a spectrum of responsibilities ranging from structural modeling and design to project reporting and analysis. Proficient in industry-leading software such as ETABS, STAAD Pro, and SAP2000, he possesses a comprehensive skill set, enabling him to tackle complex structural challenges with precision and efficiency. Prior to his role at Hike Engineering Consultancy, he honed his project management and supervision skills as a Site Engineer in Doha, Qatar. Here, he oversaw project execution, ensuring adherence to safety standards and project timelines. Additionally, his tenure at an engineering firm provided valuable on-site experience during the construction of duplexes, where he played a pivotal role in quality control and compliance monitoring.

His journey in the field of engineering began with an internship, where he gained hands-on experience in structural design and quantity estimation. Throughout his career, he has consistently demonstrated a proactive approach to learning and problem-solving, embracing new challenges with enthusiasm and dedication.

With a strong foundation built on practical experience and technical proficiency, he is poised to continue making meaningful contributions to the field of structural engineering, driven by a passion for innovation and excellence.

Fueled by an innate passion for innovation and an unwavering commitment to excellence, he continues to chart a trajectory marked by remarkable contributions and impactful endeavors in the field

SAMEED AHMED



KEY TEAM MEMBER

Sameed Ahmed, serving as a Junior Structural Engineer at M/s Hike Engineering Consultants in Lahore, Pakistan, has undertaken diverse responsibilities contributing to the successful execution of various projects. His core responsibilities include structural modeling, design, and analysis utilizing software tools such as ETABS and SAP2000. Sameed actively participates in quantity estimation and ensures compliance with design standards, building codes, and regulations. His involvement in key projects such as the "Litigants Facilitation Center" adjacent to Islamabad High Court showcases his proficiency in structural stability review and design calculations for commercial buildings. Sameed also contributed to the stability review of Punjab College in DHA Multan, demonstrating his expertise in ensuring structural integrity. Prior to his current role, Sameed gained valuable experience at AA Building Contractor, where he served as a Junior Structural Engineer. Here, he demonstrated leadership skills, time management, and quality control in various construction tasks, including technical drawings, quality inspections, and estimation. His academic background includes a project on structural design and analysis. With a robust skill set in structural engineering, quantity estimation, and project management, Sameed Ahmed continues to make significant contributions to the construction industry, ensuring the safety, functionality, and longevity of infrastructure projects.

A true testament to his unwavering pursuit of excellence, he has consistently demonstrated an exceptional ability to optimize design solutions, invariably exceeding client expectations

MUHAMMAD USMAN SHAREEF



KEY TEAM MEMBER

In his current role as a Junior Structural Engineer at M/s Hike Engineering Consultants in Lahore, Pakistan, since December 2022, he has contributed significantly to a diverse array of projects. Notable among these are the "Litigants Facilitation Center" adjacent to Islamabad High Court and the Structure Stability Review of Style Textiles (Pvt.) Ltd. in Lahore. His responsibilities encompass structural modeling, analysis, and design using cutting-edge software tools such as ETABS and SAP2000. His expertise extends beyond technical prowess to encompass code compliance, risk assessment, collaboration, innovation, and quality assurance. He ensures that all designs adhere to relevant building codes and regulations while mitigating potential risks to structural integrity. Muhammad actively collaborates with architects, contractors, and interdisciplinary engineering teams to integrate structural designs seamlessly into overall project plans.

A testament to his commitment to excellence, he has consistently optimized design solutions and exceeded client expectations. His meticulous approach to quality assurance, including thorough reviews and peer validation, ensures that every project meets performance objectives with precision and accuracy.

Beyond his technical proficiency, his expertise transcends into the realms of code compliance, comprehensive risk assessment, collaborative innovation, and stringent quality assurance. He remains steadfast in his commitment to ensuring that each design not only meets but surpasses relevant building codes and regulations, while also proactively identifying and mitigating potential risks to structural integrity. Usman seamlessly integrates his structural designs into overarching project plans through active collaboration with architects, contractors, and interdisciplinary engineering teams, thereby ensuring holistic project success.

MUHAMMAD SHOAIB MURTAZA

KEY TEAM MEMBER

Shoaib has demonstrated an extensive track record in the field of structural engineering and quantity surveying, showcasing his proficiency across various assignments with notable employers. Currently serving as a Quantity Surveyor (QS) & Cost Engineer at M/s Hike Engineering Consultants in Lahore, Pakistan since August 2020, he has been instrumental in developing Bills of Quantities (BoQ) and tender documents. His meticulous approach extends to inspecting project sites to ensure adherence to specifications, safety standards, and progress monitoring. Previously, at M/s Habib Construction Services in Lahore from August 2016 to August 2020, Shoaib contributed significantly as a Quantity Surveyor (QS) & Site Engineer. His responsibilities encompassed preparing BoQs, monitoring project progress, and liaising with clients and consultants. Notable projects include the construction of Orange Line Metro Train System, Lahore (Package-I), and various signal-free corridors and underpasses. Shoaib's tenure at M/s Unique Engineering Services in Sukkur from March 2014 to August 2016 saw him excel as a Site Engineer & Quantity Surveyor (QS). Here, he provided technical guidance, managed project progress, and ensured compliance with quality and safety standards for projects such as the Admin Block Buildings for Uch2 Power Plant, Dera Murad Jamali. Prior to this, at M/s Riaz Malik & Co (RMC) in Multan from September 2013 to March 2014, Shoaib served as a Structure Engineer & Quantity Surveyor (QS). His responsibilities included guiding teams, developing BoQs, and overseeing project progress for significant endeavors such as the construction of flyovers and pedestrian bridges. Shoaib's commitment to excellence was evident during his tenure at M/s Husnain Cotex (pvt) Ltd in Faisalabad from September 2012 to September 2013, where he served as a Structure Engineer & Quantity Surveyor (QS). Notable projects include the construction of Faisalabad-Khanewal Motorway Package-1.

SHABIR AHMAD



KEY TEAM MEMBER

Shabbir Ahmad, an accomplished Site Engineer whose illustrious career spans over twenty-five years in the dynamic landscape of the construction industry. Armed with a Diploma in Associate Engineering from Punjab University's Rasul College of Technology, Shabbir has meticulously cultivated his expertise in site management, project coordination, and quality assurance. His professional journey commenced where he played an integral role in overseeing the construction of the Officer Colony Building for Allama Iqbal Open University, setting the stage for a trajectory marked by excellence. Since then, Shabbir has navigated through diverse roles and challenging assignments across Pakistan, leaving an indelible mark of proficiency and dedication at every step. Noteworthy among his achievements is his tenure of past experience in Lahore, where he adeptly balanced the roles of Site Supervisor and Assistant Surveyor, contributing significantly to the success of several prestigious projects. His recent leadership role at M/s Hike Engineering Consultants in Lahore underscores his prowess, where he continues to steer high-profile ventures with unwavering commitment and expertise. Throughout his career, Shabbir has forged strong collaborative relationships with project managers, architects, engineers, subcontractors, and clients, seamlessly orchestrating project plans, ensuring stringent compliance with regulatory standards, and delivering projects punctually and within budget constraints. His proactive problem-solving approach, coupled with a keen eye for detail and an unyielding commitment to safety, has earned him the reputation of a trusted industry leader.

LIST OF STAFF

Name	Designation	Education	Experience (Years)
Muhammad	CEO	M.Sc. Engg.	24
Mudassar Mushtaq		(Structures)	
Ijaz Hussain Farooqi	GM Projects	B.Sc Engg (Civil)	54
Liaqat Ali Mirza	GM Technical	B.Sc. Engg.	47
Muhammad	Electrical Design	(Electrical)	
Usama Khalid	GM Co-ordination & Planning	MBA	9
M. Tufail	Chief Resident Engineer	B.Sc. Engg. (Civil).	28
Muhammad Arif Mirza	Procurement Manager/ Contract Specialist	M.Sc. Engg. (Mech)	24
Sobia Razzaq	Architect	M.Sc Architecture	23
Zahida Humera Shafi	Economist	MBA/ MA	28
Joshua Shakil	Structural Engineer	B.Sc. Engg. (Civil).	3

Sameed Ahmad	Structural Engineer	B.Sc. Engg. (Civil).	2
Usman Sharif	Structural Engineer	B.Sc. Engg. (Civil).	2
Hassan Shafiq	Admin & Account Manager	B. Com.	12
Muhammad Shoaib	Resident Engineer/ Co-ordination Manager QS/ Estimation Engineer	B. Tech (Civil)	15
Mahmood Azam	Head Drafting	DAE Civil	18
Muhammad Ashfaq	Accounts Officer	B. Com	10
Shabir Ahmad Shahid	ARE	DAE Civil	23
Muhammad Lall Raza	Quantity Surveyor	DAE Civil	14
Awais Siddiqui	Quantity Surveyor	DAE Civil	7
Muhammad Saleem Saqib	Material Engineer	B.A	9
Naveed Anwar	Draftsperson	DAE Civil	19
Hanif Rehmat	Draftsperson	DAE Civil	16
Sajid Ali	Draftsperson	DAE Civil	7
Ali Hamid	Draftsperson	DAE Civil	2

Muhammad Abrar	Site/ Office Admin	B. Com	4
Majeed	Officer		
Ali Ramzan	Site Inspector	DAE Civil	3
Muhammad Salman	Site Inspector	DAE Civil	5
Muhammad Bilal	Surveyor	DAE Civil	5
Fareed			
Bilal Hussain	Surveyor	DAE Civil	11
Muhammad	Laboratory	DAE Civil	5
Shahrukh	Technician		



WE AT HIKE USE

LIST OF SOFTWARE USED FOR DESIGN

We at hike engineering consultants use the following software for analysis, design & drafting purpose:

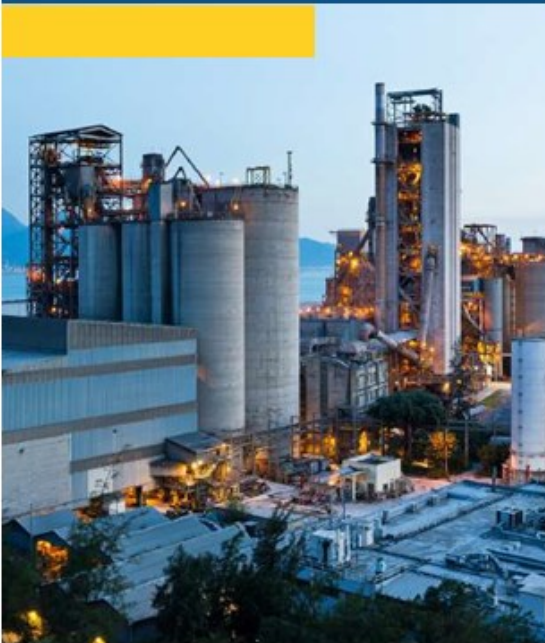
SAP2000	2019	CSI, Computers and Structures Inc., USA
ETABS	2021	CSI, Computers and Structures Inc., USA
SAFE	2016	CSI, Computers and Structures Inc., USA
STAAD PRO	V8i	Bentley Systems, Incorporated, USA
STAAD PRO, Advanced Foundation	V8i	Bentley Systems, Incorporated, USA
STAAD Pro, Advance Concrete	V8i	Bentley Systems, Incorporated, USA

AFES (Automatic Foundation Engineering System)	2.5	GS Engineering and Construction, South Korea.
Quick RWall	4.00.001 2	IES Inc., USA.
Quick Concrete Wall	4.00.001 2	IES Inc., USA.
Quick Footing	4.00.001 2	IES Inc., USA.
Quick Masonry	4.00.001 2	IES Inc., USA.
Slab Design	2012	Prism Codic, Pakistan.
Beam Design	2012	Prism Codic, Pakistan.
Foundation Design	2012	Prism Codic, Pakistan
Excel Design Sheets	2013, 2015,	Microsoft
AutoCAD	2021	Autodesk Inc. USA.
SketchUp Pro	2021	Trimble Inc, USA.
Microsoft Office	2019	Microsoft Inc. USA.

KEY PROJECTS



BRINGING
IDEAS &
INNOVATION TO
LIFE THROUGH
EXPERTISE



INDUSTRIAL DEVELOPMENT

- New Construction/Extension of Construction 7AVCA and Paracetamol Plant at Pharmagen Limited, Ferozepur Road, Lahore.
- Construction of 12,000 TPD New Sugar Plant at Sabure, Beles-1 and Beles-2 of Federal Democratic Republic of Ethiopia.
- Evaluation/Vetting the Structural Design of existing buildings including Main Production Area, Denim Sampling, Finished Goods Store, Boiler Shed, Steel Stairs, Hostel Buildings, ETP, Admin Block, Canteen Area, Warehouse, Engineering Block etc. at Interloop HD-3, Manga Riawind Road, Lahore.
- Evaluation/Vetting the Structural Design of existing buildings including PEBs, Main Production Area, Finished Goods Stores, Shell Structures, Boiler Houses, Industrial Steel Stairs, Hostel Blocks, Admin Block, Canteen Area, Warehouse, etc. at Style-1, Style-Highnoon, Style- Defense Road, Lahore

INDUSTRIAL DEVELOPMENT

- Structural Design of Grid Station and Power House at Interloop HD-5, Khurrianwala, Faisalabad.
- Design of New Pet Line with other facilities like Transformer room, sugar goodan, sewerage system etc for M/s Sukkur Beverages (Pvt.) Limited, Sukkar.
- Design of Multi-Level Plant for M/s Nimir Industrial Chemicals, Bahki, Sheikhpura
- Review the Structural Health of existing buildings at different facilities of Style Textile including Building A to F of Style- 1, Main Building Style QIE-3, Hall A, B, FGS/Female Canteen, Male Canteen, Dormitory/ Ind Store at Style-3 Defense Road, Hall A, B, Carton Store, Garment B Pair, Associates Store at Style-Highnoon Multan Road, Building A, B, C & D at Style-Sunder, Main Stitching Unit, Canteen
- Structural Steel Design of Mezzanine Floor at Aqueous Base Block at Brighto Paint Factory Faisalabad

NURTURING
CONCEPTS &
CREATIVITY INTO
REALITY WITH
MASTERY



INDUSTRIAL DEVELOPMENT

- Structural Steel Design of Washing area at Atlas Power Lahore- Sheikhpura, Road
- Construction of Foundry Shed At Ravi-Ii, Sheikhpura Raod, Lahore
Covered Area: 58,000 sq ft
- Evaluation/Vetting the Structural Design of Main Production, Warehouse, Paint Shop for United Auto Industries at Bhai Pheru, Lahore Covered Area: 110,000 sq ft.
- Proposed factory building for AS. Group of steel industries at Murade Kalan, Sharaqpur Road, Sheikhpura. Covered Area: 189,000 sq ft
- Structural Design of Steel Truss Roof System for Kisan Engineering, Multan Road, Lahore.
Covered Area: 29,000 sq ft.
- Structural Design of Ware House near Faiz Pur Interchange for Butt and Company (Pvt.) Limited, Lahore.
Covered Area: 59,000 sq ft.
- Proposed Tannery Unit for Wet Blue Leather at Dubburji Malian for Sheikh of Sialkot, Daska Road, Sialkot.

OUR INDUSTRIAL EXPERTISE





LAYING STRONG BEGINNINGS



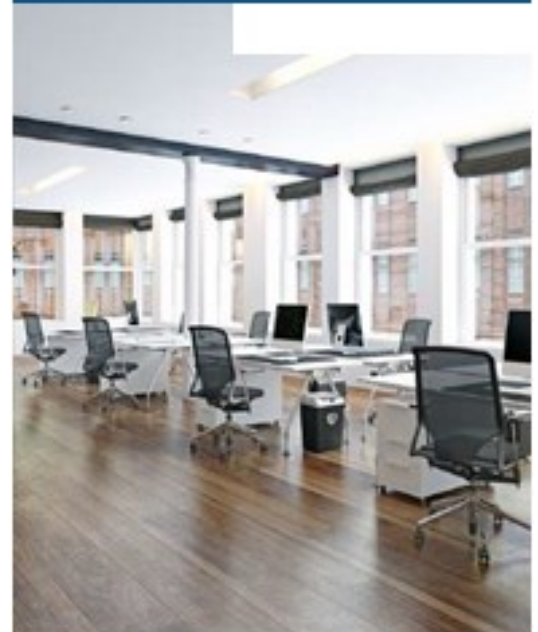
EQUIPMENT FOUNDATIONS

- Structural Design of Equipment Foundation System of 4 Ton Drop Hammer at Infinity Engineering (Pvt.) Limited, Lahore.
- Structural Design of Equipment Foundation System for Power Presses of 450 Ton & 750 Ton and Hydraulic Press of 550 Ton at Mateline (Pvt.) Limited, Lahore
- Structural Design of Equipment Foundation System for CMM Machine at Infinity Engineering (Pvt.) Limited, Lahore.
- Structural Design of Equipment Foundation System of 150 Ton & 80 Ton Press Machines at Infinity Engineering (Pvt.) Limited, Lahore.
- Structural Design of Equipment Foundation System for Xylene Tank (diameter 21m and Height 22 mm) at ABE Engineering (Pvt.) Limited, Lahore.

OFFICES & COMMERCIAL

- Multi-Storied (11 Storied) Building “Litigants Facilitation Center” adjacent Islamabad High Court, Islamabad.
Covered Area: 1,219,688 sq ft.
- Structural Design of Multi-Storied (Thirteen Stories) Office “2nd Tower of LSE” at Lahore Stock Exchange, Lahore.
Covered Area: 108,000 sq ft.
- Design & issuing the construction drawings of Multi-Storied for Punjab Irrigation (Academy Block, Male Hostels, Female Hostels, Guest House) at Ramkot, Canal Road, Lahore.
Covered Area: 99,187 sq ft.
- Structural Design of Eight Storied Structural Steel Commercial Building “Frayer Plaza – Phase-I for D5 Arcitecture, at Oklahoma, USA. Covered Area: 73,000 sq m
- Design for rehabilitation and retrofitting the existing 60 years old residential unit for Abul A'la Al-Maududi (founder of Jamait-Islami Pakistan) for converting it to museum with auditorium at Ichra, Lahore.
Covered Area: 29,112 sq ft.

WHERE DREAMS MEET
DETERMINATION AND
INNOVATION TAKES OFF



OFFICES & COMMERCIAL

- Structural Design of Multi-Storied (Seven Stories) Commercial Building/Plaza (Shama Apartments) at Shama Stop, Ferozpur, Lahore.
Covered Area: 59,000 sq ft.
- Structural Design of Multi-Storied (Six Stories) Commercial Building/Plaza (Moon Heights) at F/2 M.A Johar Town, Lahore.
Covered Area: 49,000 sq ft.
- Structural Design of Multi-Storied (Eight Stories) Commercial Building at Sui Northern Officers Cooperative Housing Scheme, Lahore.
Covered Area: 67,000 sq ft.
- Structural Design of Multi-Storied (Six Stories) Commercial Building at PIA Housing Scheme, Lahore. Covered Area: 33,000 sq ft.
- Structural Design of Multi-Storied (Eight Stories) Commercial Building at Sui Northern Officers Cooperative Housing Scheme, Lahore.
Covered Area: 44,000 sq ft.
- Structural Design of Multi-Storied (Five Stories) Commercial Building at Bund Road, Lahore. Covered Area: 35,000 sq ft.
- Structural Design of Multi-Storied (Seven Stories) Commercial Building at Wahdat Road, Lahore. Covered Area: 48,000 sq ft.
- Structural Design of Multi-Storied (Ten Stories) Commercial Building at Rail Bazar, Faisalabad. Covered Area: 64,000 sq ft.
- Structural Design of Multi-Storied (Four Stories) Commercial Building at Peoples Colony, Faisalabad. Covered Area: 44,000 sq ft.
- Construction of "Al-Farid Tower" (Seven storied) at Plot # 13 & 14, Street # 10, Usman Block (Ph-1) Jeddah Town, Islamabad.
Covered Area: 48,000 sq ft.

EDUCATIONAL

- Structural Design & Issuing the construction drawings of CMH-Medical College and ancillary facilities at Multan. Covered Area: 93,560 sq ft.
- Structural Design & Issuing the construction drawings of CMH-Medical College, Girls & Boys Hostels, Auditorium and ancillary facilities at Kharian.
Covered Area: 167,590 sq ft.
- Structural Design & Issuing the construction drawings of Central Park Medical College Complex, Girls & Boys Hostels, Auditorium and ancillary facilities at Central Park Housing Society, Ferozepur Road, Lahore
Covered Area: 398,256 sq ft.
- Structural Design & Issuing the construction drawings of Queen Medical College Complex, Girls & Boys Hostels, Auditorium and ancillary facilities at Wadana, Kasur.
Covered Area: 287,263 sq ft.

WHERE
MINDS
FLOURISH
AND
FUTURES
TAKE
SHAPE



EDUCATIONAL

- Structural Design & Issuing the construction drawings of Multi-Storied (Eight Storied Building) “Sheranwala Heights” at Izmir Town, Canal Bank Lahore.
Covered Area: 1,500,000 sq ft.
- Structural Design & Issuing the construction drawings of Central Park University at Central Park Housing Society, Ferozepur Road, Lahore.
Covered Area: 496,257 sq ft
- Structural Design of Three Storied School/ Residential Building for Life Care Centre for Pakistan Rangers at Tajpura Scheme, Lahore. Covered Area: 64,000 sq ft.
- Structural Design of Nine Storied Al-Hamra Apartment Building for Habib Rafiq (Pvt.) Limited at Raiwind, Lahore.
Covered Area: 125,000 sq ft.
- Multistoried Building (Three Stories) of Guest House & Admin/Academic Block of Human Resource Development and Training Center at Hayatabad, Peshawar for Higher Education Commission, Islamabad. Covered Area: 68,000 sq ft.
- Construction of School Building (four stories) for Makkah Foundation at Gulshan-E-Lahore, Lahore.
Covered Area: 215,000 sq ft
- Construction of School Building (four stories) for Makkah Foundation at Johar Town, Lahore,
Covered Area: 167,000 sq ft
- Construction of “The Punjab School System” Building (four stories) at Sargodha, Lahore,
Covered Area: 67,525 sq ft

EDUCATIONAL

- Structural Design of Six storied building of Medicare Trust Diagnostic Center & Maternity Home, at Chah Merian, Lahore.
Covered Area: 47,000 sq ft
- Structural Design of Thirteen storied (three basements) building of Cardic Hospital at Trade Center, Johar Town, Lahore.
Covered Area: 148,963 sq ft.
- Structural Design of Three storied building of Alkhidmat Afzal Nawaz Hospital at Nagrianwal, Gujrat.
Covered Area: 23,165 sq ft
- Structural Design of Three Storied Community Center/Hospital Building at Sharikpur, District Sheikhpura.
Covered Area: 64,000 sq ft.
- Structural Design of Two Storied Hospital Building at Bund Road, Lahore.
Covered Area: 52,000 sq ft.

HOSPITALITY INDUSTRY

- Structural Design of Seven Storied Hotel Building at Jail Road, Lahore.
Covered Area: 20,000 sq ft.
- Structural Design of Four Storied Hotel Building at Jaranwala Road, Faisalabad.
Covered Area: 64,000 sq ft
- Construction of Steel Truss Roof System at Wayzgoose Park & Hotel, Kallar Kahar, District Chakwal.
Covered Area: 28,000 sq ft

MEDICARE / HOSPITALS

- Factory Building for Relizone Pharmaceuticals at Plot # 118 Punjab Industrial Estate, Sundar, Lahore.
Covered Area: 21,000 sq ft
- Factory Building for Gallop Pharmaceuticals at Plot # 404 Punjab Industrial Estate, Sundar, Lahore.
Covered Area: 43,000 sq ft
- Factory Building for Marion Pharmaceuticals at Plot # 36-A Punjab Industrial Estate, Sundar, Lahore.
Covered Area: 72,000 sq ft
- Factory Building for News Pharmaceuticals at Plot # 42 Punjab Industrial Estate, Sundar, Lahore.
Covered Area: 27,000 sq ft
- Factory Building for Multipurpose Plant for Pharmagen Pharmaceuticals at 34-Km Ferozepur Road, Lahore.
Covered Area: 44,000 sq ft

BUILDING
SPACES
WHERE
HOPE
FINDS
A HOME



ENVIRONMENTAL BOROUGH

- Structural Design of Dissolved Air Floatation (DAF) for Nishat Chunian DAF unit (Phase 1) 150m/hr at Nishat Chunian, Kasur.
- Structural Design of 200,000 Gallons Under Ground Water Tanks (Seven in number) at TMA Hasilpur, Dist. Bahawalpur.
- Structural Design of 100,000 Gallons Under Ground Water Tanks (Six in number) at TMA Hasilpur, Dist. Bahawalpur.
- Proposed Secondary W.W.T.P (40 CuM/hr) for Coca Cola Beverages Pakistan Ltd. Faisalabad.

PROJECT MANAGEMENT & VALUE ENGINEERING

Providing the services for Full time supervision, in order to monitor quality of work, at the construction of Unit # 3 at

- Infinity Engineering (Pvt.) Limited, Lahore. Approximately Construction Period: 1.5 Years
- Evaluation of Contractor's final bill for Construction of Main Production Halls at Mateline (Pvt.) Limited, Lahore. Evaluated Cost: 42 million
- Evaluation of Contractor's final bill for Construction of Halls Main Production, Warehouse, Paint Shop for United Auto Industries at Bhai Pheru, Lahore. Evaluated Cost: 45 million.

HOUSES & RESIDENCIA

- Structural Design of Dissolved Air Floatation (DAF) for Nishat Chunian DAF unit (Phase 1) 150m/hr at Nishat Chunian, Kasur.
- Structural Design of 200,000 Gallons Under Ground Water Tanks (Seven in number) at TMA Hasilpur, Dist. Bahawalpur.
- Structural Design of 100,000 Gallons Under Ground Water Tanks (Six in number) at TMA Hasilpur, Dist. Bahawalpur.

HOUSES & RESIDENCIA

- Residential Unit for Mr.Pervaiz Yousaf at Plot 308-Y, Phase -III, D.H.A. Lahore. (1 Kanal House)
- Residential Unit for Mr Imran Bajwa at Bangla 205, St-10, Defence Raya, DhaLahore. (1 Kanal House)
- Residential Unit for Mr Tahir Mahomood at 51 Jasmine Bahria Lahore. (1 Kanal House)
- Residential Unit for Mr. Etisham Siddique at Dha, Lahore. (1 Kanal House)
- Residential Unit for Mr. Saif Anjum at Phase Vii, Dha, Lahore. (1 Kanal House)
- Residential Unit for Mrs. Naila Qamar at Lahore. (1 Kanal House)
- Residential Unit for Mr. Muhammad Zia Ul Mustafa Jamil at Plot No 0106 Block Aa Lahore. (1 Kanal House)
- Residential Unit for Mr. SajjadAt Plot Paragon City, Lahore. (1 Kanal House)
- Residential Unit for Mr Hussnain Ali Shah 226-B Central Park Lahore. (1 Kanal)
- Residential Unit for Mr. Syed Tanveer Hussain Naqvi 0345-A Central Park Lahore. (1 Kanal House)
- Residential Unit for Mrs AISHA ISHAQ 1052-G Central Park Lahore. (1 Kanal House)
- Residential Unit for Mrs Shazia Parveen 0415-B Central Park Lahore. (1 Kanal House)
- Residential Unit for Mrs.Sumera Abid 055-C Central Park Lahore. (1 Kanal House)
- Residential Unit for Mrs. Sobia Mansoor Akbar 0107-C Central Park Lahore. (1 Kanal House)
- Residential Unit for Mr.Ashaq Ali Bhatti-0419,A Central Park Lahore. (1 Kanal House)
- Proposed Secondary W.W.T.P (40 CuM/hr) for Coca Cola Bevarages Pakistan Ltd. Faisalabad