

Improving Life. By Design.

CORPORATE PROFILE

- Engineering
- Construction
- Technology



Engineers
Pakistan (Private) Limited

www.aiengineers.pk
www.aiengineers.com

OUR JOURNEY



1991

**Parent Company AI Engineers Inc.
Starts in Middletown, CT**



2019

AI Engineers Pakistan starts its journey with first office in Karachi



2020

Initiate Building Information Modeling (BIM) services



2021

Starts Project/ Construction Management Services



2021

Gets ISO 9001 Certification



2021

Joins the Associations of Consulting Engineers Pakistan



2022

Big International wins with Contracts in KSA, Ethiopia & UAE



2022

Wins UNGC Network Pakistan Award for Sustainable Development Goals



2024

Donor clients footprint expands



2024

In addition to the US Market; AIE-PK expands its footprint in Canada & Turkmenistan



2025

Enters into Artificial Intelligence applications in Infrastructure



2026

Initiates design of large infrastructure development properties in Pakistan

OVERVIEW

AI Engineers Inc

Founded in 1991 in Middletown, Connecticut, USA, AI Engineers has grown from a regional practice into an international multidisciplinary engineering consultancy with more than three decades of experience.

Built on a foundation of technical excellence, practical solutions, and client-focused delivery, the firm brings together engineering expertise, technology and innovation to address complex challenges and contribute to safer, smarter and more resilient communities.

ONE FOUNDATION.
a Global Journey.

3 Decades of Engineering
EXCELLENCE

AI Engineers Pakistan

Established in 2019, AI Engineers Pakistan marked an important new chapter in the firm's international growth—creating a multidisciplinary delivery hub built on the same technical standards and engineering principles that have defined AI Engineers since 1991.

Our expertise covers infrastructure, transportation, buildings, ports, rail and aviation, with services extending through the complete project lifecycle – from feasibility studies, planning and detailed design to procurement support, construction supervision, commissioning and project close-out.

Today, AI Engineers Pakistan contributes to projects in Pakistan, the United States, Canada, Saudi Arabia, Ethiopia, Turkmenistan and Sri Lanka – extending a shared engineering legacy into new markets and new possibilities.



Growing
International
Footprint



Multidisciplinary
Engineering
Expertise



Technology
Driven
Solutions

OUR PRINCIPLES OF DELIVERY

- Client-Centered Vision
- Empowered Multidisciplinary Teams
- Responsive Decision-Making
- Continuous Learning & Leadership
- Technology-Enabled Engineering

OUR COMMITMENT

- **Integrity** — Acting with honesty, accountability, and the highest standards of professional ethics.
- **Technical Excellence** — Applying sound engineering principles and industry best practices to every stage of project delivery.
- **Innovation** — Embracing digital technologies, collaborative thinking, and continuous improvement to solve complex engineering challenges.
- **Quality & Sustainability** — Delivering infrastructure that is efficient, resilient, and designed to create long-term value for clients and communities

OUR PHILOSOPHY

Anchored by our philosophy of **Improving Life. By Design.**, we combine multidisciplinary expertise, collaborative partnerships, and innovative engineering practices to develop solutions that are practical, resilient, and built to perform.



QUALITY, SUSTAINABILITY & PROFESSIONAL STANDARDS

Quality is not an outcome; it is a discipline embedded throughout the engineering process. Supported by our ISO 9001 certification, participation in the United Nations Global Compact (UNGC), and membership of the Association of Consulting Engineers Pakistan (ACEP), AI Engineers upholds the highest standards of professional practice, responsible engineering, and sustainable development across every project that we undertake.



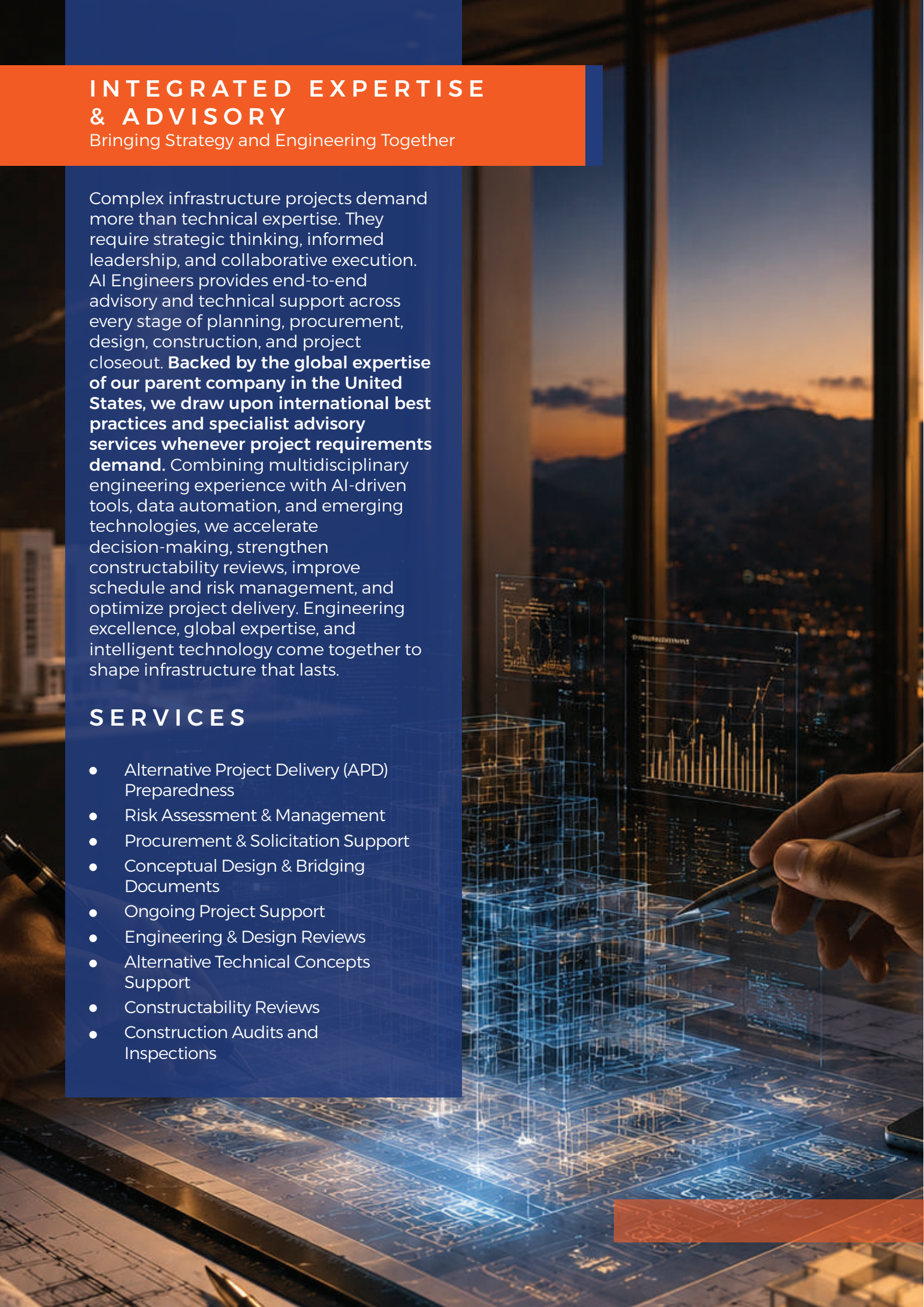
INTEGRATED EXPERTISE & ADVISORY

Bringing Strategy and Engineering Together

Complex infrastructure projects demand more than technical expertise. They require strategic thinking, informed leadership, and collaborative execution. AI Engineers provides end-to-end advisory and technical support across every stage of planning, procurement, design, construction, and project closeout. **Backed by the global expertise of our parent company in the United States, we draw upon international best practices and specialist advisory services whenever project requirements demand.** Combining multidisciplinary engineering experience with AI-driven tools, data automation, and emerging technologies, we accelerate decision-making, strengthen constructability reviews, improve schedule and risk management, and optimize project delivery. Engineering excellence, global expertise, and intelligent technology come together to shape infrastructure that lasts.

SERVICES

- Alternative Project Delivery (APD) Preparedness
- Risk Assessment & Management
- Procurement & Solicitation Support
- Conceptual Design & Bridging Documents
- Ongoing Project Support
- Engineering & Design Reviews
- Alternative Technical Concepts Support
- Constructability Reviews
- Construction Audits and Inspections





BIM AND TECHNOLOGY SOLUTIONS

Engineering Powered by Digital Intelligence

Digital engineering is transforming how infrastructure projects are planned, designed, delivered, and managed. AI Engineers' digital engineering capabilities are driven by Building Information Modeling (BIM), an AI-enabled, 3D model-based process that enables the firm to plan, coordinate, and validate projects in a virtual environment. This approach enhances multidisciplinary coordination, reduces risks and rework, and supports informed decision-making for more efficient, cost-effective project delivery.

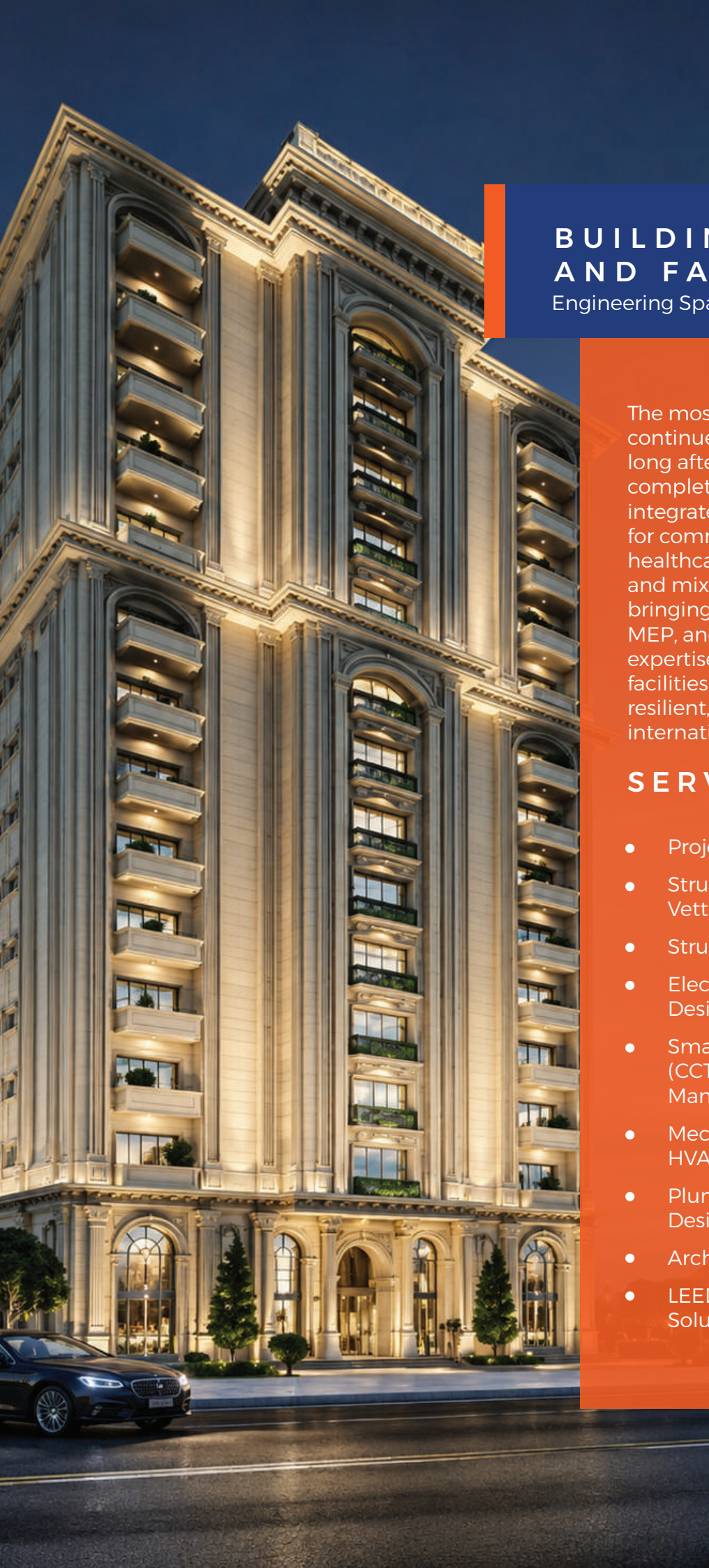
SERVICES

- BIM up to LoD 500
- BIM-based BOQ / BBS / Shop Drawings
- Augmented & Virtual Reality (AR / VR)
- As-Built BIM Models & Facility Management Integration
- 3D Visual Render & Animation



FEATURED PROJECTS

- One Hoshang Tower, Karachi
- Pugsley Creek Diversion Chamber, USA
- Prism Heights, Islamabad
- Toelles Bridge, USA
- Wolcott Street Carriageway, USA
- Heritage Building at NED University, Karachi
- King Salman Park, Riyadh
- DHA Head Office Building, Multan
- Palm Resort (Cundall), KSA
- VA Water Tower, USA
- Pelham Pump House, USA



BUILDINGS AND FACILITIES

Engineering Spaces That Endure

The most successful buildings continue to perform effectively long after construction is complete. AI Engineers delivers integrated engineering services for commercial, institutional, healthcare, industrial, residential, and mixed-use developments. By bringing together structural, civil, MEP, and digital engineering expertise, the firm delivers facilities that are functional, resilient, sustainable, and built to international standards.

SERVICES

- Project Feasibility
- Structural Assessment / Vetting
- Structural Design
- Electrical / ICT Systems Design
- Smart Building & ELV Systems (CCTV / Security / Building Management System)
- Mechanical Design including HVAC & Firefighting
- Plumbing and Drainage Design
- Architectural Planning
- LEED / Green Building Solutions



FEATURED PROJECTS

- Emud Tower, Islamabad
- River Hills 5, Rawalpindi
- Grand Orchard, Islamabad
- Thal Building, Karachi
- NLC Workshop Building, Karachi
- Pakistan Cables Factory, Karachi
- Changing Facility at IMC Port Qasim Plant, Karachi
- Cnergyico Facility, Karachi
- Development of Hotel at Nishtar Park Sports Complex, Lahore
- Rapid Assessment of 94 Healthcare Facilities in 20 Districts of Sindh
- Luna Care Factory, Karachi
- KTDMC Building, Karachi
- Scilife Facility Project, Karachi
- PIDC Building, Karachi
- Aspin Pharma Project, Karachi
- BE Energy Outlet, Islamabad
- Storage Sheds and Workers Block at Chaknaurang Base Store
- TCF School, Badin
- Synergy global building, karachi





INFRASTRUCTURE DEVELOPMENT

Building the Foundations of
Sustainable Growth



Infrastructure is fundamental to economic growth and community resilience. AI Engineers delivers integrated solutions across the transportation, public works, and utility sectors, balancing engineering performance, constructability, operational efficiency, and long-term asset value throughout every stage of project delivery.

TRANSPORTATION & ROADWAYS

Well-designed transportation and roadway infrastructure improves mobility, enhances safety, and supports sustainable growth. Our multidisciplinary teams deliver full-lifecycle engineering—integrating traffic operations, geometric design, pavement optimization, and drainage—along with comprehensive planning and construction support across highway, rail, aviation, and maritime sectors.

BRIDGES

Bridge engineering demands uncompromising precision and structural integrity. We deliver comprehensive planning, structural design, rehabilitation, and asset management to ensure long-term durability and safety.

WET & DRY UTILITIES

Reliable utility networks are essential to the performance of every infrastructure project. We engineer robust, coordinated solutions spanning water, electrical, gas, and ICT networks to support sustainable urban development.



SERVICES

- Feasibility Studies
- Hydrological Studies
- Reconnaissance & Topographic Surveys
- GIS & Geo-Mapping
- Earthwork and Digital Terrain Models
- Transportation Planning
- Geometric and Pavement Roadway Design
- Bridge and Tunnel Design
- Infrastructure Facilities Design
- Wet Utilities Design (Potable Water, Drainage, Irrigation)
- Dry Utilities Design (Power, LV / ELV Systems, Security, Data, ICT, Gas)
- Electrical / ICT Systems Design



FEATURED PROJECTS

- Integrated Tourism Zones (ITZS) for four selected sites in KPK
- Extension of Naval Berth, Karachi
- DHA Storm Water, Karachi
- Recreational Park, Hund, Swabi
- Korangi ADM Industrial Infrastructure, Karachi
- WASH Project with NRSP for District Thatta
- Rapid Assessment of 94 Healthcare Facilities in 20 Districts of Sindh
- Rainwater Drainage System for Kemari & Shikarpur Terminals
- King Salman Park, Riyadh
- Stormwater Drainage Network & Filtration System for Commercial Facility, USA
- Karachi Circular Railway
- Integrated Flood Resilience and Adaptation Project
- Housing Reconstruction Monitoring with Drones, Sindh
- Dual Carriageway Road from Sui to Kashmore
- Three Sections of Roadway from Fatehjang to Tarnol, Rawalpindi
- Upgradation of Jhaljao-Bela Road, Balochistan
- Saidu Sharif Airport, Swat
- Rehabilitation and Improvement of Roads, Culverts and Bridges, Sindh
- I-95 Bridge Replacement, USA
- Asset Condition & Utilities Assessment for Three Airports in Pakistan (Karachi, Lahore, and Islamabad)
- Skardu Airport
- 150-Acre Infrastructure Development at DHA City, Karachi



PROJECT AND CONSTRUCTION MANAGEMENT

Delivering Engineering with Confidence

Every successful project depends on disciplined planning, effective coordination, and informed decision-making.

AI Engineers provides comprehensive project and construction management services that strengthen governance, manage risk, and maintain quality throughout the construction lifecycle. From procurement and contract administration to supervision, commissioning, and project close-out, our teams help clients deliver projects with certainty and confidence.

PM ADVISORY

Project management advisory services help clients define delivery strategies, manage project risks, strengthen governance, and improve project certainty from planning through execution.

COST MANAGEMENT

Effective cost management protects project value throughout the delivery process. AI Engineers provides structured cost planning, estimating, budgeting, and commercial management services that support financial control while maintaining quality and project objectives.

SERVICES

- Project Management
- Design Management
- Constructability and Value Engineering
- Procurement and Tender Support
- Construction Supervision & Inspection
- Construction Management
- Project Controls: Scope, Schedule & Cost
- Quality Control and Assurance
- HSE Compliance
- Contract Administration and Management
- Claims and Variation Orders
- Online / Cloud Project Management Tools
- Closeout & Occupancy Assistance
- PMO Advisory Services



FEATURED PROJECTS

- AA Waterfront Tower, Karachi
- Grand Monarch, Karachi
- Upgradation of Jhaljao-Bela Road
- A & Z Tower, Karachi
- Vava Cars Warehouse Facility, Karachi
- Pakistan Cables Factory, Karachi
- Southern Region Facilities Support for HBL
- PIDC Building, Karachi
- Kanteen Facilities in Pakistan
- Technical Support Services, Turkmenistan
- Petarians Housing Society, Karachi
- AA Saffron Tower, Karachi
- Khaadi Facilities in Pakistan
- Waterbury Project, USA
- DHL Facilities, Karachi
- Shahmir Residency Tower, Karachi





GLOBAL DESIGN DEVELOPMENT CENTER

AI Engineers Pakistan operates as a remote design office for clients in the United States and the Gulf, working as an extension of their in-house teams. From Karachi, we deliver structural design and analysis, detailed design and construction drawings, BIM modelling and coordination, shop drawings, quantity take-off and estimation, and as-built drawings, produced to the codes, standards, and drawing conventions each client already works to. Every package is issued under an ISO 9001-certified quality system with review support from our parent firm in Connecticut, giving clients engineering capacity that scales with their workload.

SERVICES

- Structural design & analysis
- Detailed design & construction drawings
- BIM modeling & coordination to LoD 500
- Shop drawings, BBS & BOQ
- Quantity take-off & cost estimation
- As-built models & FM integration
- Design review & constructability checks



Engineers

Pakistan (Private) Limited

LOOKING AHEAD

Shaping Tomorrow's Infrastructure

The engineering profession continues to evolve, driven by changing technologies, growing urbanization, and increasingly complex infrastructure needs.

By embracing innovation, investing in people, and maintaining the highest standards of engineering excellence, AI Engineers remains committed to delivering practical, resilient, and sustainable solutions that create lasting value for clients, communities, and future generations.

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