



ENGICON



ENGINEERING IN MOTION - INNOVATING FOR IMPACT

PEC INSIGHTS

issue 02 - July 2025

PEC's GAME-CHANGING TRANSFORMATIONS

“*PEC is ushering in a bold transformation - reshaping structures, rethinking systems, and redefining what it means to be an engineer in the modern era.*”

This edition of **ENGICON** captures the momentum we've built and the purposeful strides being made across the engineering landscape. In the interest of the engineering profession, key reforms are picking up pace: the segregation of Regulations and Operations is being rolled out, Professional Development is evolving into a more structured and forward-looking model, and Smart PEC is being implemented nationwide to enhance transparency, efficiency, and service delivery.

The time has come to challenge the status quo. PEC must evolve from a licensing authority into a dynamic institution that drives excellence in engineering education, supports innovation, upholds professional ethics, and contributes meaningfully to national development. Our journey has begun, and we will leave no stone unturned in building a professional ecosystem that empowers engineers to lead Pakistan's future.

PEC will not follow change - it will lead it

It is both an honour and a privilege to address you through Engicon, the flagship publication of the Pakistan Engineering Council. This magazine should evolve into more than just a periodical - it has to become a mirror reflecting the progress, aspirations, and achievements of Pakistan's engineering fraternity. It should serve as a bridge that connects our members across disciplines, generations, and geographical boundaries, fostering a sense of unity and shared purpose.

I urge every engineer to view Engicon not just as a magazine, but as your platform - a space to share ideas, research, innovations, and success stories. By contributing to this collective knowledge pool, you help inspire others, build professional pride, and showcase the remarkable contributions of our community.

Let us reaffirm that engineering is not only about structures and systems, but also about shaping a better future for our nation. Together, we can ensure that Pakistani engineers continue to be recognised globally for their skill, integrity, and impact.

May EngiCon continue to inspire, inform, and ignite the spirit of progress among us all.

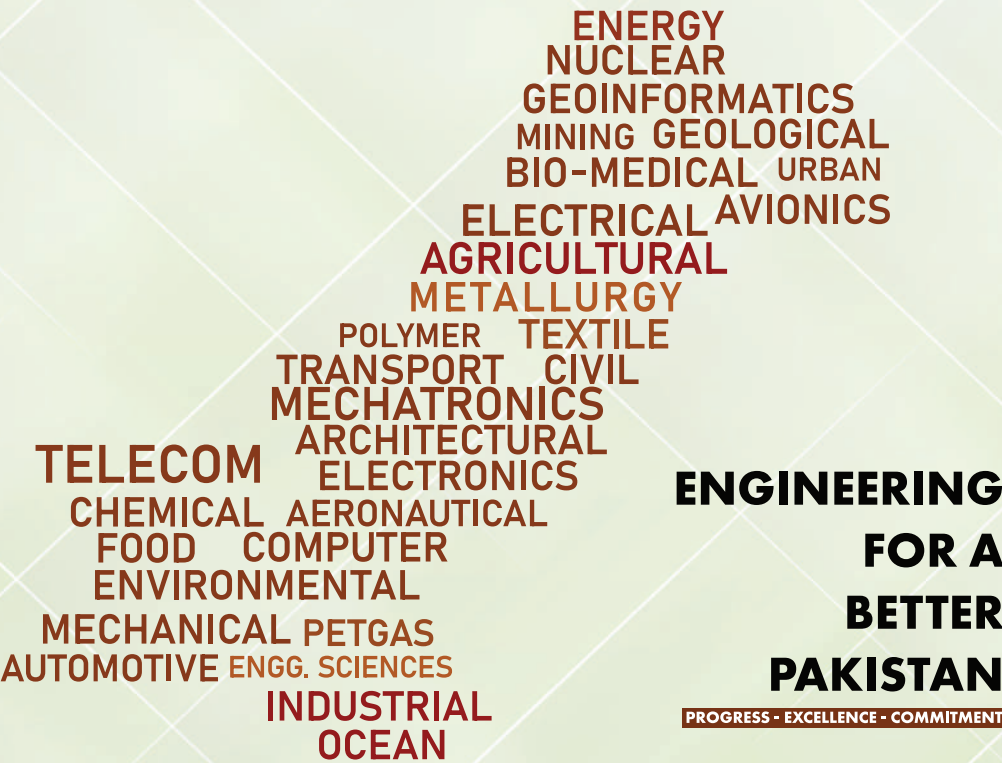


Engr. Waseem Nazir,
Chairman PEC



Engr. Dr. Sarosh H Lodi,
Sr. Vice Chairman PEC

Pakistan's engineering landscape is being reshaped to deliver smarter, more responsive services for all stakeholders.



THE PARADIGM SHIFT BLUEPRINT

“**PEC has broken from tradition - transforming from a passive regulator into a bold, future-shaping institution. The below initiatives are not just structural reforms but a sweeping paradigm shift, redefining the course of engineering in Pakistan.**”



Real-Time Digital Data

PEC's digital map enables live insights for stakeholders nationwide



Connecting Overseas Engineers

Global integration framework welcomes Pakistani talent abroad



No More Waiting for Graduates

Instant registration & faster processes - goodbye to long delays



International Expert Input

Global advisors modernizing PEC's regulatory frameworks



Standardisation Enhanced

Unified rules for CPD, firm rankings, and accreditation



Emerging Skills

10,000+ engineers trained in AI & future tech - more to follow



Global Recognition

Reforms agenda aimed at international standards for mobility



Smart PEC

Nationwide digital rollout services, dashboards, and transparency



Demand & Supply Sync

Workforce analysis underway to balance graduate output with market need



Reg-Ops Segregation

Regulatory & operational functions split for better governance



Professors by Practice

Industry experts enriching academia with real-world knowledge



6-Month House Job

Gaining industry experience through a structured paid house job



Stakeholders Consultation

Engagement with Govt., Industry & Academia
No more silos



Centralized Laboratories

Shared academic-industry labs for innovation and access



New Evaluators

Competency-based assessments led by a fresh, trained evaluator pool



Outcome Oriented Taskforces

Reform steered by influential leaders and seasoned professionals



Faculty - Industry Exchange

Bridging classroom and field through practical experience programs.



EMPLOYABILITY Based Initiatives

from Planning to Action

GRADUATE ENGINEER TRAINEE PROGRAM

Structured Placements of fresh engineers
in industry and NBDs

TARGET - 2K / YEAR
KICKOFF - OCT 2025

GENERATIVE AI & DIGITAL TOOLS

Capacity building in emerging
technologies

TRAINED - 10K
TARGET - 45K

REVAMPING CPD FRAMEWORK

Practical, modular and career-focused

EPE - ONLINE
CAREER HANDBOOK
DRAFTED

DIASPORA CONNECTIVITY

Bridging local and overseas engineers

BRAIN GAIN PORTAL
LAUNCHED

PEC'S GLOBAL PUSH THROUGH MRAs

Hands on experience for career readiness

CHINA SIGNED -
KSA, KUWAIT AND
AUSTRALIA NEXT

MOUs WITH MULTI-NATIONALS

Ensuring Engineer deployment globally

CHINESE FIRMS
TARGETED

Regulation aligned - Employment defined

TARGETED STRATEGIES through FOCUSED TASKFORCES

MEASURABLE OUTCOMES - TIMELY DELIVERY

CURRICULUM REVIEW & DEVELOPMENT STEERING GROUP



LEAD:
ENGR.
DR. SYED SOHAIL H. NAQVI

MANDATE:

Aligning PEC engineering curricula with Washington Accord standards, integrating emerging technologies, SDGs, AI tools, and industry-driven competencies through continuous review and stakeholder engagement.

ENRICHING QUALITY ENGINEERING EDUCATION IN PAKISTAN



LEAD:
ENGR.
DR. ATTIQ AHMAD

MANDATE:

Introduce international certifications, align curricula with industry needs, enhance graduate employability with global credentials, and raise awareness of engineering education value.

REVISION OF FIRE SAFETY PROVISIONS BUILDING CODE OF PAKISTAN 2016



LEAD:
ENGR.
DR. BRIG. SHAHID IQBAL

MANDATE:

Modernize fire safety code provisions; conduct stakeholder feedback, gap analysis, and align provisions to international standards and local conditions.

PROMOTION OF ENTREPRENEURSHIP



LEAD:
ENGR.
DR. ALI SAJID

MANDATE:

Explore regulatory support, conduct gap analysis of startup ecosystem, develop a sustainable PEC catalyst hub model, draft policy frameworks, and set KPIs and pilot recommendations.

INITIATIVE FOCAL PERSON FOR DEMAND & SUPPLY STUDY



LEAD:
ENGR.
DR. SAROSH HASHMAT LODHI

MANDATE:

To assess the current and projected demand-supply landscape of engineers across all disciplines in Pakistan and globally.

ENGINEERING INDUSTRY LOCALISATION



LEAD:
ENGR. WAHAJ US SIRAJ

MANDATE:

Formulate strategies to localize engineering, strengthen indigenous manufacturing, and reduce reliance on imported goods and services

REVIEW AND REFORMS OF PEC BIDDING DOCUMENTS



LEAD:
ENGR.
DR. MAHMOOD A. SULEHRI

MANDATE:

Benchmark and update PEC standard bidding documents to global best practices; ensure transparency, competitiveness, and propose an implementation roadmap.

POWER SECTOR ISSUES OF ENGINEERS



LEAD:
ENGR. MUJAHID PERVAZ CHATTHA

MANDATE:

Review systemic and operational challenges faced by engineers in the power sector; propose policy, structural and stakeholder engagement recommendations.

CPD POLICY REVIEW



LEAD:
ENGR.
DR. FAIZ ULLAH KHAN KAKAR

MANDATE:

Assess and enhance CPD framework; revise points system, testing mechanisms, program formats, and explore AI bootcamp and outsourcing of course development.

ACCREDITATION MANUAL(S) REVISION & DEVELOPMENT



LEAD:
ENGR.
DR. ANEEL KUMAR

MANDATE:

Oversee revision and development of accreditation manuals; update procedures, integrate best practices, and ensure harmonization across all accreditation requirements.

SMART PEC

DRIVING DIGITAL TRANSFORMATION



“From digital maps to mobile apps - Pakistan's engineering transformation goes live with technology-driven solutions for national growth.”

FEDERAL MINISTER UNVEILS SMART PEC'S DIGITAL BREAKTHROUGHS

In a significant move towards digital modernization, Federal Minister for Science and Technology, Mr. Khalid Hussain Magsi, launched multiple initiatives under the Smart PEC drive during the 51st Governing Body meeting.



CENTRAL HUB DRIVING SMART PEC FORWARD

To drive consistency and innovation across its digital transformation agenda, PEC has established the Smart PEC Central Hub at its Lahore Regional Office. This newly dedicated space is designed to foster collaboration, strategic planning, and real-time problem-solving, ensuring smooth and synchronized implementation of Smart PEC initiatives nationwide.



The hub will serve as the operational nerve center, bringing teams together to brainstorm, align, and deliver impact with greater agility.

THE NEWLY INTRODUCED DIGITAL TOOLS INCLUDE:



Pakistan's First Digital Map – A powerful geospatial planning tool to support infrastructure development nationwide.



Pathway to Practice – Instant registration and ensuring transparent university linkages through PEC outreach.



Brain Gain Portal – Bridging global expertise with local opportunities through engagement with overseas Pakistani engineers.



Data Strategy – Promoting a data-informed culture and improving digital user experience



PEC E-Card – A secure digital identity for streamlined service access.



PEC Live Mobile App – Offering engineers real-time updates and easy access to PEC services.



FIRST-EVER ONLINE EPE EXAM

PEC further marked a digital milestone on February 23 by holding its first-ever online Engineering Practice Examination (EPE), engaging 849 candidates across 11 centers—advancing transparency, efficiency, and accessibility in line with the national digitization agenda.

These initiatives mark a defining shift in PEC's operational framework—putting innovation at the forefront of service delivery and stakeholder engagement.

ENGINEERING CONNECTIONS SHAPING GENERATIONS

EMPOWERING ENGINEERS AT EVERY LEVEL

The Young Engineers National Forum (YENF) is PEC's pioneering platform designed to unite, empower, and elevate young engineers across Pakistan. By offering leadership opportunities, technical upskilling, and professional development, YENF is shaping the next generation of engineering leaders while fostering national integration and a shared professional identity.

GLOBAL EXPERT Knowledge Exchange

A transformative platform uniting Pakistan's engineering community with top-tier overseas professionals. By unlocking global expertise, it fuels innovation, fosters entrepreneurship, and creates career pathways for Pakistani engineers. Through structured mentorship, knowledge exchange, and strategic guidance, this initiative is not just reversing brain drain - it's converting it into national gain.

Supporting youth-focused initiatives and CSR programs aligned with national development goals



**GAINING
MOMENTUM
NATIONWIDE**

KEY FEATURES

Engineer Profiles	Register and highlight global experience
Mentorship & Training	Guide young professionals
Hall of Fame	Celebrate overseas impact
Talks & Webinars	Share insights through PEC
Collaboration & Supervision	Support student and technical projects
Global Directory	Connect by region and discipline
Consultancy Platform	Offer services for projects in Pakistan



SCAN TO ACCESS
Or visit website
www.braingain.pec.org.pk/

LIVE & GROWING

With overwhelming global response, the portal is fast becoming a vital channel for engineering unity, professional development, and national progress.

GET SET GO

GRADUATE ENGINEER TRAINEE

Designed for graduate engineers ready to launch their professional journey, the GET Program is a flagship six-month, fully paid national trainee placement initiative. It provides a structured bridge from academic learning to professional practice, placing young engineers directly into real-world environments. Through immersive, on-the-job training and guided mentorship, the program equips participants with the practical skills, workplace exposure, and industry alignment needed to thrive in today's competitive engineering landscape.

GET FOR GRADUATES



GET FOR INDUSTRY

- 1 Access a pool of PEC-registered, pre-screened graduate engineers
- 2 Zero financial obligation – trainees receive direct stipends from PEC
- 3 Flexible placement cycles and regional matching for convenience
- 4 Enhance your CSR profile and contribute to national capacity building
- 5 Identify and retain high-performing talent after program completion

To further support its vision, a dedicated space for the GET Program has been established at PEC's new office in Islamabad. This hub will serve as a central platform for coordination, collaboration, and ongoing engagement with trainees and mentors nationwide.



FOR GRADUATES



**SHAPE YOUR FUTURE.
EXPAND YOUR HORIZONS**

Let PEC help you take the first confident step into the engineering world

MILESTONES IN MOTION

FUTURE-READY

PEC has empowered 10,000 engineers with in-demand Generative AI skills - equipping them for the digital future, with more cohorts to follow.

PEC PATHWAY TO PRACTICE

Nationwide Rollout

BUITEMS, QUETTA CECOS, PESHAWAR UET, PESHAWAR NUST - MCE, RISALPUR

After successful launch at UET Lahore, PEC has rolled out desks across major Higher Education Institutions (HEIs) nationwide, creating a seamless bridge between academia and professional practice. What started as a pilot initiative is now a countrywide network empowering students with direct access to PEC services, guidance, and career pathways. A bold step toward shaping future-ready engineers.

GRADUATES EQUIPPED

with starter kit

Registration Ethics Roadmap

PEC has introduced the first-ever Engineer's Starter Kit, now being distributed at convocations alongside degrees. Designed as the first lesson in professional practice, the kit includes Engineer **Registration Card**, **Core Values**, **Ethics**, and a **Career Roadmap** empowering graduates to begin their journey with clarity and confidence.

BRIDGING GAPS CLUSTERING HEIS AND INDUSTRY FOR CHANGE

BRAINSTORMING SESSIONS & CONSULTATIVE WORKSHOPS

PEC remains firmly committed to elevating the quality of engineering education across Pakistan. To this end, it has launched a structured national program comprising strategic brainstorming sessions and consultative workshops across various regions/HEIs. These engagements are designed to address persistent issues and challenges faced by Higher Education Institutions (HEIs), including outdated curricula, weak industry-academia linkages, limited research output, faculty capacity gaps, and inadequate infrastructure.

HELD	PLANNED	
4	5	Regions
67	63	HEIs
28	35	Sessions

Through inclusive participation of key stakeholders—students, alumni, industry leaders, parents, academic administrators, and government representatives—PEC aims to identify actionable solutions and unlock opportunities for innovation, relevance, and global competitiveness in engineering education.

PEC UNLOCKS GLOBAL GATEWAYS

PEC is driving a bold vision to position Pakistani engineers on the global stage. Through strategic collaborations, mutual recognition agreements, and international partnerships, PEC is creating pathways for engineering mobility, knowledge exchange, and participation in high-value projects worldwide. These initiatives aim to empower young engineers, enhance global competitiveness, and align Pakistan's engineering talent with international standards—turning ambition into actionable opportunities.



STRENGTHENING TECHNICAL WORKFORCE MOBILITY

CHINA SIGNED

KSA, KUWAIT AND AUSTRALIA NEXT



第二届“一带一路”科技交流大会
The Second Belt and Road Conference on Science and Technology Exchange

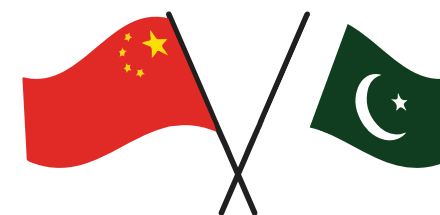


FORGING PAKISTAN & CHINA SIGN LANDMARK MRA

STRATEGIC

ALLIANCE:

PEC and the Chinese Society of Engineers (under umbrella of CAST) have signed a Mutual Recognition Agreement (MRA) in Chengdu, enabling Pakistani engineers to obtain provisional licensure in China without additional exams. This pact boosts career opportunities and engineering service exports under the Belt and Road Initiative.



EXCHANGE PROGRAM

One Down - More to Go!

First cohort of nine engineers, fully funded by China, successfully completed an intensive training program on Large Dam Design and Construction. Hosted by the China Association for Science and Technology (CAST)

PEC PIONEERS 'BRI ENGINEER' VISION

AT BELT AND ROAD SUMMIT

PEC, led by Chairman Engr. Waseem Nazir, represented Pakistan at the 2nd Belt and Road Conference in Chengdu, introducing the “BRI Engineer” concept - a unified license for cross-border engineering practice across BRI countries during the closed door meeting among founding members of **International Federation of Engineering Societies (IFES)** for its operationalisation. The idea was hailed as a breakthrough for regional mobility.



Engr. Waseem Nazir had the distinct honour of hosting the technical sessions on high impact thematic areas marking Pakistan's active and visible leadership role in global dialogue

PEC TO
LAUNCH
CHINA DESK

PEC is set to launch a dedicated China Desk under its Global Linkages Division to enhance engineering collaboration with China. The Desk will serve as a one-window operation to streamline licensing, firm registration, MRAs, academic exchange, and professional mobility—particularly under CPEC and BRI. This strategic initiative aims to transform bilateral agreements into concrete outcomes for engineers, institutions, and industry stakeholders from both countries.

PAKISTAN MAINTAINED
IPEA MEMBERSHIP

PEC secured a six-year extension of its IPEA membership at IEAM 2025, ensuring continued global recognition for Pakistani Engineers titled Int.PE(PAK), reinforcing alignment with international standards.



JOURNEY TOWARDS PROFESSIONAL DEVELOPMENT

In a landmark stride toward building a globally competitive engineering ecosystem, PEC has unveiled a structured framework of guidelines in five core pillars, a strategic overhaul of professional development systems to elevate Pakistani engineers and align them with international standards.

This bold initiative reimagines Continued Professional Development (CPD) and the Engineering Practice Examination (EPE), ensuring that every engineer, from fresh graduate to seasoned professional, has a clear, guided pathway for career growth, skill enhancement, and global mobility.

CPD - GO DIGITAL

Overhauling CPD Byelaws to:

- Launch of user-friendly online CPD portal
- Promote digital and blended learning
- Link trainings with real-time assessments and certifications
- Improve monitoring and engineer's progress tracking
- Encourage PEC - Employers Partnerships for capacity-building

POWERED BY EXPERTISE & COLLABORATION

Each of the five documents is being developed with dedicated task forces - comprising senior engineers and subject matter specialists - ensuring practical, relevant, and globally benchmarked content.

FIVE CORE PILLARS SHAPING TOMORROW'S ENGINEERS

Guidebook for Engineering Practice Exam

A comprehensive manual for PEC's revamped EPE - moving toward online, practice-based, real-world assessment

Engineers' Handbook for Professional Development

A practical guidebook for continuous learning, skill building, international certifications, and upskilling at all career levels

Professional Engineers' Curriculum Handbook

Modernizes engineering education by integrating global standards, interdisciplinary approaches, AI, and soft skills

Employers' Guide for Professional Development & Engagement

Empowers organizations to drive structured employee growth through HR-linked training and performance based career models

Engineers' Progression Framework

Maps out career stages, core competencies, and growth trajectories from entry-level roles to senior leadership



REDEFINING ENGINEERING EDUCATION

ACCREDITATION & CAPACITY BUILDING

PEC LAUNCHED NATIONWIDE OBE/A TRAININGS FOR FACULTY & PEVs

In a groundbreaking move to modernize Pakistan's engineering education and accreditation ecosystem, PEC launched a structured nationwide Outcome-Based Education/Accreditation (OBE/A) training series - designed for faculty and new Program Evaluators (PEVs) from academia and industry.



This marks a strategic pivot for PEC, as it inducts younger professionals into the PEV network for the very first time - and equips them with hands-on training before assigning the role of PEVs.

TRAINING WITH PURPOSE

MODERN, PRACTICAL, IMPACTFUL

Four-day interactive workshops designed to:

- Develop a professional and standardized pool of trained PEVs
- Deliver real-world application of OBE/A principles
- Align with Washington Accord benchmarks for global recognition

Modular approach - Focused on

- Complex Engineering Problems (CEPs)
- Final Year Design Projects (FYDPs)
- Sustainable Development Goals (SDGs)
- Problem Based Learning (PBL)
- Mock accreditation visits

AT A GLANCE KEY ACHIEVEMENTS (JAN-JULY 2025)

47
HEI
Faculty
Trained on OBE
practices

136
new
PEVs
Trained on OBA
across Pakistan



PEC RESTRUCTURES FOR SMARTER FUTURE



PEC is undergoing a major institutional overhaul to improve how it works and serves the engineering community. The new plan, called "Functional Segregation and Decentralization," aims to make PEC more efficient, responsive, and aligned with global standards.

WHY IT MATTERS

PEC found that overlapping roles and too much centralization were slowing things down. This reform clears up responsibilities, reduces delays, and puts the right people in the right roles.

KEY SHIFTS IN FOCUS

Functional Segregation:	PEC functions are now streamlined: Segregated in Regulations, Operations, and Corporate Affairs Units
Smarter Structure:	Departments are replaced by Divisions under units, with clear leadership.
Merit-Based Roles:	Placements are based on required skills and performance
Strengthening Regions:	Decentralisation of functions - empowering Regions
Supportive Transition:	Inclusive approach in institutional transformation

• **Regulatory Units** to handle Registration & Licensing, Engineering Education, and Professional Development.

• **Central Services Unit** to handle Operational Divisions/ Cells (Admin, HR, IT, Customer Service, Works, Internal Audit)

• **Corporate Affairs Unit** to manage Global Linkages, Coordination, Policy & Strategy, and ADR Divisions

“
TOGETHER, THEY WILL MAKE PEC
EFFICIENT, TRANSPARENT,
ACCOUNTABLE AND MORE
PROFESSIONAL IN SERVICE
DELIVERY”

THE ROAD AHEAD

WITH THIS REFORM, PEC IS SET TO

- Improve service to stakeholders
- Align with international standards
- Strengthening global collaborations
- Operate with clarity and purpose

PEC is building an agile, inclusive, and globally aligned institution. Implementation is already in motion with phased rollouts, real-time monitoring, and strategic oversight.

“
THIS ISN'T JUST REFORM, IT
IS PEC'S EVOLUTION INTO A
MODERN REGULATOR BUILT
FOR IMPACT”

WHAT THIS MEANS?

ROLE BASED PLACEMENTS



Technical Advisor
(Operations)

ENGR. KHADIM H. BHATTI



Technical Advisor
(Regulations)

DR. ASHFAQ A. SHEIKH



Head, Corporate
Affairs Unit

ENGR. M. SOHAIL KHAN



Head, Registration
& Licensing Unit

ENGR. GHULAM KARIM



Head, Engineering
Education Unit

ENGR. JEHAN ZEB KHAN



Program Manager
(Special Initiatives)

ENGR. OSAIF M. MALIK



Administrator
Workbodies

ENGR. ALI RAZA ASIF



PEC Sets the Turf for NATIONAL ADR CENTRE

PEC has taken a decisive step toward institutionalizing a structured dispute resolution mechanism by establishing a dedicated ADR Division, laying the foundation for Pakistan's first Specialized National ADR Centre for engineering and construction disputes.

PEC is spearheading efforts to provide a fast, expert-driven alternative to costly litigation and prolonged delays.

Pakistan Takes Center Stage at FIDIC ASIA PACIFIC 2025

Chairman PEC Engr. Waseem Nazir delivered a keynote at the FIDIC Asia Pacific Conference 2025 in Islamabad, highlighting PEC's drive for transparency, global standards, and youth empowerment—marking Pakistan's growing influence in the international engineering arena.



STRONG ADVOCACY

by Chairman PEC for
engineering profession at
Parliamentary forum

Targeted Reforms in Motion: PEC Consults Construction Sector Stakeholders

- Enhancing Pakistani constructors' participation in regional projects.
- Addressing capacity-building and employability issues.

Reforming the regulatory framework for registration and renewal services.

Regulatory Issues – Presented to National Assembly Standing Committee on Science & Technology

- Implementation issues by the Federal and Provincial Institutions in Building Codes and Standard Bidding Documents
- Technical Projects Execution by Non-Professionals
- Engineers' Cadre not yet materialized for intended role in the National Development
- Disparity issues in Technical Allowance for Engineers
- Integration of Engineering and Technology under PEC Umbrella – need of time to attract employability and industrial uplift



REGIONAL OUTREACH

PEC is making notable headway in expanding its regional outreach and strengthening engineering capacity nationwide. Through targeted initiatives—ranging from specialized training and consultative workshops to engagements with public sector engineers and provincial leadership—PEC is driving collaboration, enhancing professional standards, and promoting Outcome-Based Education (OBE) to ensure inclusive and impactful growth across the engineering landscape.

KPK

- Chairman's interactive session with young engineers serving in public sector departments
- High-level meeting of Chairman with the KPK bureaucracy to discuss engineering development and collaboration
- QMS training for ISO 9001:2015 certification initiative at Regional Office Peshawar
- GIKI Annual Industrial Open House & Career Fair 2025



PUNJAB

- Brainstorming session and consultative workshop of HEIs of Central Punjab arranged at University of Lahore
- Chairman and VC Punjab Meet with Delegation of PITB
- ISO 9001:2015- SOPs finalization and implementation training
- 1st Meeting of Task Force on Power Sector Issues of Engineers
- PEC Regional Office Lahore Hosts Book Launching Ceremony for "Theory of Indeterminate Structures"
- Inauguration Ceremony of Engineers Lounge at PEC B/O, Multan
- Consultative Workshop of HEIs from Punjab South Region, held at NFC Institute, Multan
- QMS training for ISO 9001:2015 certification initiative at Regional Office Lahore
- University of Wah's Open House and Job Fair 2025



BALUCHISTAN

- 1st meeting of the steering group constituted for the execution of Balochistan Action Plan
- Meeting of Vice Chairman and Members of Governing Body Balochistan with Chief Secretary Balochistan
- QMS training for ISO 9001:2015 certification initiative at Regional Office Quetta



SINDH

- Groundbreaking of PEC Complex DHA City, Karachi by Commander 5 Corps
- QMS training for ISO 9001:2015 certification initiative at Regional Office Karachi
- Chairman as Chief Guest attended IEEE Multi-Topic International Symposium



Strengthening Partnerships

Chairman PEC Visit to PPRA

Together for Integrity - Advancing Transparency and Engineering Standards

Huawei Delegation

Explored R&D, ICT integration, and industry-academia linkages

World Bank Mission

Consultation on energy efficiency, conservation, and sustainable investments

191st JMC (WAPDA)

Delegation briefed on CPD reforms, Gen-AI Course, and engineering values

International Labor Organisation (ILO)

Engineering Safety First - PEC & ILO driving OSH standards

BIGC, China Delegation

Exploring collaborative opportunities for engineering, printing technology & innovation

Power China, China Energy, Shanghai Electric

Powering global pathways for Pakistani engineers

National Defence University (NDU)

Strategic Minds, Technical Roots - PEC & NDU Crafting Engineer Leaders

LEARNING & DEVELOPMENT WITHIN PEC

Project Management Training
for Program Manager (Special Initiatives)

at LUMS

Energy Efficiency & Conservation training in Japan

by JICA

C-PIMA Implementation Framework training

by PPMI

Monitoring & Evaluation of Development Projects

by PPMI

Public Procurement Rules

by PPRA

Certified HR Professional (CHRP)

by PIPD

E-Office Application

by STI

Training Participants

Engr. Osaf Mahmood Malik
Engr. Imran Amjad
Engr. Beenish Ashiq Laang
Engr. Abu Bakar Khalid
Engr. Rida Nasir
Engr. Khurram Shahzad
Ms. Anila Bibi
Engr. Junaid Khan
Engr. Wasfa Anjum
Mr. Javaid Baloch
Mr. Arshad Mahmood
Mr. Syed Fahad H. Naqvi
Mr. Nadeem Ahmed

International Women's Day 2025

PEC marked International Women's Day with an interactive session recognizing female staff contributions and reaffirming its commitment to inclusivity, empowerment, and a supportive work environment.



Beyond The Buzz!

Glimpse into PEC's Gen-AI success stories

“It opened my eyes to how AI can transform our field, from optimizing design processes to enhancing project management and safety.”



Ahmed Abdullah



M. Haram Zulfy

“I integrated GEN AI with Mechanical Engineering and made an app that assists in critical welding inspection.”



Amjad Ali

“It not only gave me a clear understanding of AI concepts but also showed how these tools can be applied in real-world engineering tasks.”

“Provided me with clarity on the applications of Gen-AI and encouraged me to further explore this field”



Afreen Alam

PROCESS TO PROGRESS

A journey of continuous improvement - engineered through disciplined and thoughtful process

Integration of Engineering and Technology Streams

Uniting engineering and technology under PEC umbrella for strengthening engineering profession

10-Year Journey of OBE in Pakistan

Lessons learnt in implementation over a decade to improvise the policies ensuring global alignment and CQI

Demand & Supply Study

Align engineering education with national and international market needs through strategic workforce analysis

Need Based Certifications

Provide market-oriented skills through international certifications

Merit Based Awards

Revised Criteria for PEC Engineers Excellence Awards and Int. PE (Pak) Licensure Aligned with International Best Practices

Integrated Certification Program with TLA

Equip students with program specific skills through international certification during their academic journey

Efficient and Effective use of PEC's Buildings

Cost-saving measures and maximizing resources for long-term self-sustained model



PEC SPOTLIGHT



PAKISTAN TODAY
Profit
Islamabad
Pakistan secures six year extension in IPEA membership at IEAM 2025

In a major boost to the international mobility and recognition of Pakistani engineers, the Pakistan Engineering Council (PEC) has secured a six-year extension in its full membership of the International Professional Engineers Agreement (IPEA), under the umbrella of the International Engineering Alliance (IEA). The announcement was made during the IEAM 2025, held from in Mexico. PEC was represented at the meeting by Senior Vice Chairman, Engr. Dr. Sarosh Lodhi. The IPEA is a multilateral agreement that facilitates the cross-border recognition of experienced professional engineers among member economies. With this extension, PEC's membership in IPEA will continue until 2031, providing a stable platform for further assessments and negotiations.



WhatsNext · Follow
The Pakistan Engineering Council (PEC) has announced a major initiative to boost AI ... See more

Pakistan plans to train 45,000 engineers in AI!



COUNTRY NEWS
Science Minister calls for engineering, led transformation at 51st PEC

The new initiative will focus on digital transformation and innovation, with a particular emphasis on artificial intelligence (AI) and robotics. The Minister stressed the need for a strong foundation in engineering and technology to drive the country's economic growth and competitiveness in the global market.



Pakistan Engineers to Get International Recognition After Historic Agreement

www.propakistani.pk



THE DESTINATION
Chairman PEC calls for stronger academia-industry collaboration at GIKI Career Fair 2025



THE NEWSPAPER
PEC holds key consultative meeting with KP government engineers



PEC chairman's historic engagement with KP's public sector engineers

tor departments across tion (PEDO), and others, for open dialogue. The



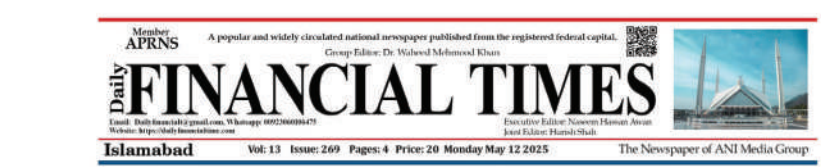
پاکستان انجینئرنگ کونسل اور چین کی سوسائٹی آف انجینئرز کے درمیان معاہدہ



THE DESTINATION
Pakistan and China pave way for enhanced engineering collaboration with mutual recognition agreement



Islamabad POST
Foundation stone laid for PEC complex



Daily FINANCIAL TIMES
PEC Honors Pakistan's Guardians: Armed Forces & Engineers - Architects of National Security!

PEC Honors Pakistan's Guardians: Armed Forces & Engineers - Architects of National Security!

By: Dr Waheed M Khan/ANI.

Islamabad: Chairman PEC, Engr. Waseem Nazir has praised Pakistan's Armed Forces for valiant and prompt response to the aggression. Pakistan Engineering Council (PEC) Salutes Armed Forces, Engineers, and Strategic Collaborators in National Defence Victory Islamabad, 11th May 2025 - PEC extends its profound appreciation to the Armed Forces for their resolute and decisive defence of the nation in the face of recent aggression. This victory stands as a testament to Pakistan's preparedness, strategic foresight, and unity.

Chairman PEC, Engr. Waseem Nazir, emphasized that behind every successful defence operation lies a foundation of engineering strength and technical capability. From civil and military infrastructure to communications, weapon



پاکستان انجینئرنگ کونسل کے جدید کمپلیکس کا سنگ بنیاد



Khalid inaugurates digital initiatives under smart PEC drive



پاکستان انجینئرنگ کونسل کی ڈیجیٹل درستی



PAKISTAN TODAY
Dr Nikhat Shakeel, Parliamentary Secretary for Science and Technology, talking to PEC Chairman Engineer Wasim Nazir during a visit to PEC Headquarter Islamabad. PR



Daily The Spokesman
Pakistan secures six-year extension in IPEA membership at IEAM 2025

PEC Brain Gain Portal: Pakistan Taps Diaspora

changed with the launch of the Pakistan Engineering Council's Brain Gain Portal. This initiative, introduced under the leadership of PEC Chairman Engr. Waseem Nazir, is not just a symbolic gesture, it's a structural solution to a long-standing gap. Within six months of taking office, Waseem Nazir set the tone for the portal's development.

Mobile App for engineers, improving governance, and creating a smarter regulatory framework. He especially lauded the Brain Gain Portal, calling it a visionary move to reconnect overseas Pakistani engineers with national development.

Speaking at the launch, Federal Minister Khalid Hussain Magi stated, "These initiatives

FORWARD IN FOCUS 2025

DIGITAL DRIVE
Towards
SMART PEC



SOFT LAUNCH BY:

Honourable Federal Minister
For Science and Technology

Mr. KHALID
HUSSAIN MAGSI

OUR NEXT CHAPTER

ENGINEERING EDUCATION

Faculty Training on Pedagogical Skills

Improve Teaching Learning and Assessment (TLA) approaches to ensure better learning outcomes.

Program Ranking

Ranking of engineering programs to promote culture of competition and collaboration for quality enhancement

Centralized Entry Test

Centralizing the entry test to standardize and ensure consistency & fairness in engineering for quality intake

Excellence Lab & Research Centre

Establish region-based cluster labs and research centers to promote resource sharing, innovation, and excellence

PROFESSIONAL DEVELOPMENT

Certification for Project Directors

New Certification Programme for Project Directors of Infrastructure Projects to improve Project delivery

Digital CPD Platform

Empowering engineers to learn, grow, and excel - anytime, anywhere through digital CPD platform

REGISTRATION & LICENSING

International Visibility of Local Firms

Enabling policies and restructuring to enhance Consultants and Constructors presence in overseas market.

Modernising the firm registration framework

To align with global best practices, ensuring transparency, ease of doing business and sustainability for construction sector

Review of Specialization Codes

Review and establishing specialized licensing codes for constructors and consultants

Ease of Doing Business

Streamline the registration and renewal process for stakeholders as an initial step.

CORPORATE

PEC Liaison Desks

Ensure seamless integration of PEC policies & regulations by establishing a dedicated PEC desk at Planning Commission and Economic Affairs Division

PEC to Establish Dual Tributes

Heritage Wall for outstanding engineering project and professional contributions by engineers at Floor of Fame to acknowledge the remarkable achievements

Service Structure for Engineers

Pursue legislation for engineers career path.

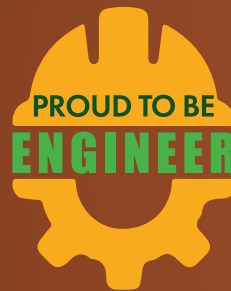
Technical Allowance

Address and resolve issues related to public sector institutions.

Professional Development National Academy (PDNA)

Research and Policy, Structured programs, mentorship and continuous learning to enhance engineering competence and leadership

PAKISTAN ENGINEERING COUNCIL



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