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Middle East Conflict Disrupts Supply Chains Industrialists Urge Government's Action

Pakistani industrialists have raised alarm over worsening shortages of raw materials and mounting trade disruptions, attributing the crisis to the ongoing Middle East conflict and logistical bottlenecks at key transport points.

Stakeholders informed the meeting that international shipping lines have started imposing war surcharges even on shipments that were already in transit before the conflict began.

They noted that unjustified charges are also being applied to west-bound cargo that does not pass through affected regions.

Adding to the challenges, exporters reported that insurers have withdrawn war-risk coverage, leaving

shipments exposed to risks such as loss, diversion, or damage without compensation. Shipping companies have also is-

sued force majeure notices, stating they are not liable for cargo safety and may off-load containers at alternate ports.

Further complicating matters, some shipping lines are reportedly withholding Bills of Lading (BLs) to recover dues from agents, an action exporters termed illegal as it disrupts banking processes and delays fulfillment of international contracts.

Importers also cited congestion and higher handling costs at Port Qasim, where vessel berthing constraints are forcing cargo diversion to more expensive terminals.

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Mr. Jawed Zaman Khan from A to Zee Switchgear Passed Away

Pakistan's engineering industry has lost a prominent figure with the passing of Jawed Zaman Khan, Chairman of A to Zee Switchgear Engineering Pvt Ltd, who was widely recognized for his contributions to the country's electrical manufacturing sector.

Jawed Zaman Khan was a dynamic entrepreneur and industry leader who played a pivotal role in establishing A to Zee Switchgear Engineering as a reputable name in Pakistan's switchgear and electrical panel manufacturing industry. Under his leadership, the company successfully executed major industrial and infrastructure projects, earning recognition for quality, reliability, and technical excellence.

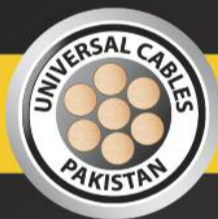
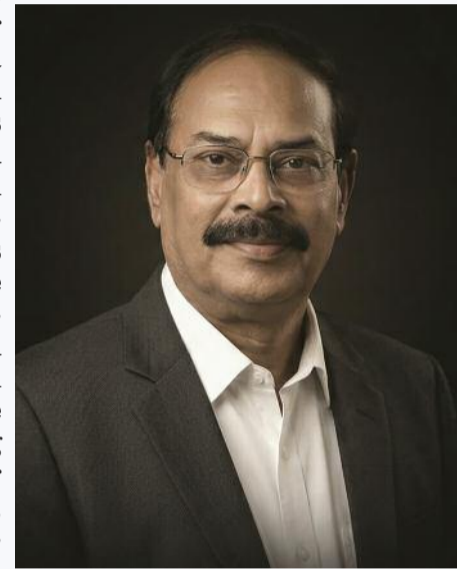
Known for his forward-looking vision, he consistently emphasized innovation, technological advancement, and expansion into regional markets. His efforts led to the company's involvement in large-scale projects across sectors including textiles and real estate, while also strengthening Pakistan's engineering footprint internationally.

Beyond business success, Mr. Khan was admired for his commitment to workforce development and industry growth. He believed in investing in human capital and modern manufacturing technologies, ensuring his organization remained competitive in an evolving global market.

Colleagues and industry peers remember him as a passionate leader whose dedication and strategic vision helped elevate standards within Pakistan's engineering community. His contributions not only strengthened his company but also inspired many young engineers and entrepreneurs.

His passing leaves a significant void in the industrial sector. However, his legacy of excellence, innovation, and commitment to progress will continue to guide the future of Pakistan's engineering industry.

He is mourned by colleagues, friends, and the wider engineering fraternity, who pay tribute to a life dedicated to industrial growth and national development.



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Pogliano manufactures a comprehensive range of busbars, available in copper and aluminum, with capacities ranging from 25A to 6300A. Their compact design, high short-circuit

strength, low impedance, minimal voltage drop, and excellent corrosion resistance make them ideal for challenging environments and confined spaces.

Jubilee Corporation (JC), the authorized distributor of Pogliano Busbars in Pakistan, has played a key role in expanding the reach of these cutting-edge solutions across various industries. With successful projects in sectors such as Textile, Oil & Gas, FMCGs, Packaging, Commercial buildings, and High-rises, JC has estab-

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Crackdown on Counterfeit Electrical Goods Gains Momentum in Pakistan

In a significant move to safeguard consumers and protect brand integrity, leading electrical brands have intensified efforts to curb the growing menace of counterfeit products in the market. The widespread availability of fake electrical items, often sold under the names of reputable companies, has long posed serious risks to both consumers and legitimate businesses.

Taking a decisive step in this regard, the Federal Investigation Agency (FIA) recently conducted a raid in Lahore targeting shopkeep-

ers involved in the sale of fake products falsely branded as ENTES. The operation led to the confiscation of counterfeit items and served as a warning to those engaged in illegal trade practices.

ENTES, a globally recognized name in electrical equipment, has been particularly affected by

the proliferation of imitations in the local market. The brand's authorized distributor in Pakistan, Mubasher Electric Company/ Shahid International, has been actively working alongside authorities to identify and eliminate fake products, ensuring that customers receive genuine and reliable equipment.

Industry experts believe that such enforcement actions are crucial in restoring consumer confidence and maintaining quality standards in the electrical sector. They also emphasize the need for greater awareness among buyers, urging them to purchase products only from authorized dealers. The recent crackdown signals a stronger commitment by both regulatory authorities and industry players to combat counterfeit goods, marking a positive step toward a safer and more transparent marketplace.



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Inverex Leads with Innovation, Reliability, and Nationwide Support Network

Muhammad Zakir Ali, CEO in Exclusive Conversation with Engineering Post

Since its inception in Pakistan in 2007, Inverex has steadily emerged as a leading name in solar energy solutions, earning the trust of consumers through quality products and a forward-looking approach. Under the leadership of its CEO, Muhammad Zakir Ali, the company has evolved from a solar solutions provider into a diversified energy brand that continues to align itself with global technological advancements. Over the years, Inverex has not only strengthened its foothold in the renewable energy sector but has also set new benchmarks in customer satisfaction and innovation.

Speaking exclusively to Engineering Post, Muhammad Zakir Ali reflected on the company's journey and the principles that have driven its success. He emphasized that Inverex's growth is deeply rooted in its commitment to quality and customer trust. "From day one, our focus has been on delivering reliable and efficient energy solutions," he stated. "We have always believed that customer satisfaction is the backbone of any successful business, and that belief continues to guide us."

One of the defining features of Inverex's strategy has been its

strong emphasis on after-sales service. Recognizing that solar energy systems require consistent support and maintenance to perform optimally, the company has invested heavily in building an extensive service network. Today, Inverex operates more than 35 after-sales service centers across Pakistan, making it one of the largest support networks in the industry. Highlighting this achievement, Muhammad Zakir Ali said, "We have more than 35



after-sales service centers running across Pakistan. This gives our customers the confidence that when they invest in Inverex, they are not just buying a product, they are investing in a long-term partnership. We have never compromised on our quality, and this commitment is the key reason behind our exponential growth."

In recent years, Inverex has also demonstrated its ability to adapt to changing market dynamics by expanding its product portfolio. The company's move into the electric vehicle (EV) sector marks a significant milestone, signaling its intent to play a broader role in Pakistan's sustainable future. This bold step reflects a clear vision of integrating renewable energy solutions with modern transportation needs. Discussing this

development, Muhammad Zakir Ali expressed optimism about the future of clean mobility in Pakistan. "This year, we took a bold step by introducing an Electric Vehicle in Pakistan," he shared. "It's not just about solar anymore. The future lies in creating a sustainable ecosystem where renewable energy supports transport, homes, and industries. By introducing EVs, we are aligning with global trends and giving Pakistani customers a glimpse of the future."

Despite the opportunities, the transition towards electric vehicles in a developing market like Pakistan is not without challenges. Issues such as infrastructure development, consumer awareness, and policy support remain key hurdles. However, the CEO remains confident that these challenges can be overcome with the right approach and long-term commitment. "Every new technology faces skepticism at first, but Pakistan is ready," Muhammad Zakir Ali asserted. "We believe that renewable energy and EV adoption will go hand in hand in the coming decade. Our role is to ensure that Pakistanis have reliable, world-class solutions available to them right here at home."


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Schneider Electric Pakistan Hosted Partnership of the Future – Lahore

Schneider Electric Pakistan hosted Partnership of the Future – Lahore, bringing together contractors, consultants, distributors, retailers, resellers, home builders, and strategic partners dedicated to advancing Pakistan’s energy and digital transformation. The event showcased the strength of collective action and cross industry collaboration in accelerating sustainable progress across the country. The gathering featured the official unveiling of the Vivace E Series, a contemporary wiring device range engineered to elevate modern living through simplicity, durability, and purposeful design. This launch reflects Schneider Electric’s ongoing commitment to advancing electrification and enhancing user experience in homes and buildings. Aligned with Schneider Electric’s ambition to serve as Pakistan as the Energy Technology Partner, the event reinforced a shared vision for enabling smarter, more resilient, and more sustainable communities through trusted technology and a strong ecosystem of collaboration.



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OGDCL Achieves Breakthrough with First Horizontal Oil Well in Sindh

Oil and Gas Development Company Limited has marked a major technological milestone by commencing oil production from its Pasakhi-13 well, the country's first successful horizontal oil well drilled in a clastic reservoir.

Located in Hyderabad, the well is currently producing 460 barrels of oil per day (BPD). Drilled to a depth of 2,966 meters, the well includes a 546-meter horizontal section, enabling significantly enhanced access to the reservoir.

The breakthrough was achieved through advanced geo-steering technology, which allowed engineers to precisely navigate within a narrow three-meter window to position the well optimally in the reservoir's most productive zone. The well has been completed using a short-string Electric Submersible Pump (ESP), specifically designed for horizontal drilling operations.

Despite challenging geological conditions, the innovative horizontal drilling approach has delivered nearly three times higher production compared to conventional vertical wells in similar settings.

Pasakhi-13 forms part of the Pasakhi & Pasakhi North Development & Production Lease, where OGDCL holds full working interest. The achievement underscores the company's growing technical capabilities and commitment to adopting modern exploration techniques.

Industry experts view this development as a significant step toward enhancing domestic oil production and reducing reliance on imports, while strengthening Pakistan's long-term energy security.

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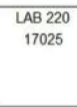
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Empowering Pakistan's Engineering Future

Insights from Kashif Khatri, Managing Partner, Universal Engineering Co

The upcoming IEEP Multi-Topic Symposium 2026, scheduled for 22nd and 23rd April at Pearl Continental Hotel Karachi, is set to bring together leading professionals, engineers, consultants, and industry stakeholders from across Pakistan. Among the key contributors to this prestigious event is Universal Engineering Co, participating as a Silver Sponsor.

Engineering Post had an exclusive conversation with Nasir Kandakirya, Co-Founder & Partner of Universal Engineering Co, to gain insights into the company's vision, its role in the engineering sector, and the importance of supporting such industry platforms.

Q: Could you tell us more about Universal Engineering Co and its core expertise?

Universal Engineering Co specializes in advanced electrical engineering solutions, particularly in the design and manufacturing of low voltage and medium voltage switchgear panels. We focus on delivering high-quality, reliable, and standards-compliant systems tailored to the needs of industrial, commercial, and infrastructure projects. Over time, we have built a reputation for technical excellence, innovation, and client-centric execution.

Q: What motivated Universal Engineering Co to sponsor the IEEP Multi-Topic Symposium 2026?

At Universal Engineering Co, we strongly believe in supporting platforms that promote knowledge sharing, innovation, and professional collaboration. The IEEP Symposium is one of the most respected engineering gatherings in Pakistan, bringing together experts from diverse domains. Our decision to participate as a Silver Sponsor reflects our commitment to contributing to the growth and advancement of

Pakistan's engineering industry.

Q: How do you see the importance of such symposiums for the engineering community?

Events like these play a vital role in bridging the gap between industry and academia. They provide an opportunity for professionals to stay

updated with the latest technologies, standards, and global trends. More importantly, they create a platform for meaningful dialogue—where challenges are discussed openly and solutions are explored collectively. For young engineers especially, this exposure is invaluable.

Q: What message would you like to convey to participants attending the symposium?

I would encourage all participants to make the most of this opportunity—engage actively, ask questions, and network with peers and industry leaders. Engineering is evolving rapidly, and continuous learning is the key to staying relevant. Platforms like this are not just events; they are catalysts for progress.

Q: How does this sponsorship align with your company's future vision?

Our vision is to position Universal Engineering Co as a leading engineering solutions provider not only in Pakistan but also in international markets. Supporting initiatives like the IEEP Symposium aligns perfectly with this vision, as it enhances our engagement with the professional community and reinforces our commitment to industry development. We also see this as a step toward building stronger collaborations and exploring new opportunities.

Q: Any final thoughts on the event?

We are honored to be part of this prestigious symposium and look forward to interacting with fellow professionals. I would like to appreciate the organizers for putting together such an impactful event and wish them great success. We are confident that this symposium will contribute significantly to the advancement of engineering practices in Pakistan.



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Airex Trading organized an exclusive visit to the Hitachi factory in Spain

Airex Trading Pvt. Ltd. has rapidly established itself as a prominent and fast-growing name in the HVACR industry. As the official distributor of Hitachi heating and cooling solutions in Pakistan, the company

marked a significant milestone, offering participants a valuable opportunity to closely observe, analyze, and experience the advanced technology and exceptional efficiency that define Hitachi's cooling and heating so-



remains committed to excellence, continuously striving to lead the market through performance, innovation, and reliability.

In line with this vision, Airex Trading recently organized an

lutions.

The consultants expressed great admiration for the superior engineering and innovation, and were honored with commemorative shields in recogni-



exclusive visit to the Hitachi factory in Spain hosted by CEO Yasir Mehmood and Directors Mr Syed Ahmed Ali and Mr. Hussain for a distinguished group of consultants, including

tion of their visit. The trip also featured engaging activities and formal dinners, fostering stronger professional relationships. This insightful experience further reinforced confidence in



Mr. Saqib Shamsi, Mr.Hammad Khakwani, Mr. Farooq Saeed, Mr. Tahir Javaid, Mr. Safdar Mughal, Mr. Ebad Hassan, and Mr. Tahir Raza. This initiative

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LSM Growth Gains Momentum as Auto, Cement and Garments Lead Recovery

Pakistan's Large Scale Manufacturing (LSM) sector posted a solid recovery during the current fiscal year, registering a cumulative growth of 5.75 percent in July-January FY26, driven by strong performances in key industries and a sharp surge in output during January.

Latest provisional data released by the Pakistan Bureau of Statistics shows that the Quantum Index of Manufacturing (QIM) rose to 144 points in January 2026, reflecting a

robust increase of 10.54 percent year-on-year and 12.08 percent month-on-month. On a cumulative basis, the QIM averaged 121.46 during the seven-month period, compared to 114.85 in the same period last year.

The growth momentum was led primarily by the automobile sector, which recorded a remarkable 67.31 percent increase in January and a cumulative expansion of 67.38 percent, emerging as the largest contributor to overall LSM growth. The garments

sector also maintained strong performance, posting 10.82 percent monthly growth and 8.02 percent cumulative gains, supported by export demand.

Other major contributors included petroleum products, cement, and food. Cement output rose 10.83 percent in January, while food production rebounded with 12.07 percent growth, indicating improved industrial activity and consumption trends. Electrical equipment and beverages also

showed steady expansion.

However, some sectors remained under pressure. Iron and steel, machinery, pharmaceuticals, and fertilizers continued to record declines, weighing on broader industrial performance.

Despite these challenges, the LSM sector's broad-based recovery signals improving economic activity, although sustaining this momentum will depend on consistent policy support and demand stability.



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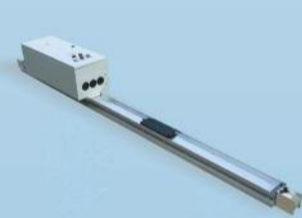
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Oliver General Trading Signs Exclusive Deal with TSTY Electric Co., Ltd.



market requirements and customer expectations, OGT has consistently focused on providing efficient and cost-effective solutions. This new partnership further strengthens its portfolio, particularly in the rapidly growing segment of dry-type transformers, which are increasingly preferred for urban environments due to their safety, reliability, and low maintenance requirements.

Oliver General Trading, a progressive and fast-growing company in Pakistan's electrical and power distribution sector, has officially announced an exclusive distribution agreement with TSTY Electric Co., Ltd.. This strategic collaboration marks a significant milestone for OGT as it continues to expand its footprint by aligning with globally recognized manufacturers to deliver advanced and reliable power solutions in Pakistan.

Over the years, Oliver General Trading has established itself as a trusted partner for industrial, commercial, and infrastructure clients by offering quality products and strong technical support. With an in-depth understanding of local

TSTY Electric Co., Ltd., on the other hand, is a well-established international manufacturer known for its technical excellence and robust production capabilities. The company specializes in a wide range of electrical equipment, including oil-immersed transformers, dry-type transformers, HV/LV switchgear, and compact substations. With a strong global presence, TSTY has built a reputation for delivering high-quality products that meet international standards and cater to diverse

industry needs.

Commenting on the partnership, Kubben, General Manager of TSTY Electric, expressed his confidence in the collaboration, stating that the alliance with Oliver General Trading is based on mutual trust, shared values,

preprehensive support services.

From Oliver General Trading's perspective, this exclusive distribution agreement represents a strategic step toward strengthening its position in the power sector. The company emphasized its commitment to delivering customized solutions tailored to the specific needs of clients while ensuring reliability and performance. OGT also reaffirmed its dedication to contributing to the development of Pakistan's energy infrastructure.

This partnership reflects a shared vision of innovation, quality, and customer-centricity. By bringing together global expertise and local experience, both companies aim to drive sustainable growth and provide dependable power solutions, supporting the advancement of Pakistan's industrial and commercial landscape.



and a common goal of supporting Pakistan's growing energy demands. He highlighted that by combining TSTY's manufacturing expertise with OGT's local market knowledge, customers will benefit from superior products along with responsive and com-



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First locally developed EV to be launched by June or July 2026

Report by Engineering Post

Pakistan's first-ever fully locally developed electric vehicle (EV) was most likely to be launched by June or July 2026 with a price below Rs one million.

According to the Engineering Development Board (EDB) sources, the EV was going to be produced at a manufacturing plant established in Lahore and would mark the first-ever domestically developed

electric vehicle (EV) to roll off from the local production line. The price range was going to be kept below Rs one million in order to provide a low-cost option for the consumers particularly those currently using two-wheelers.

The EV was expected to offer a driving range of up to 180 kilometers on a single charge thus making it suitable for daily commuting by prospective users.

The sources also indicated that

the federal government was most likely to reduce taxes on locally assembled vehicles in the upcoming new federal budget for financial year 2026-26 for improving affordability and supporting the domestic automobile industry.

Additionally, information was also available from reliable concerned sources under the forthcoming National Automobile Policy, the federal government was most likely to support the local

manufacture as part of its efforts to support the local automobile manufacturers to expand domestic production.

The federal government, as per some reports, has allocated Rs 100 billion as part of its export incentives to support locally produced vehicles sales overseas. Furthermore, a subsidy plan was also in the pipeline to promote the use of electric motor bikes and rickshaws in the country.



EJ Solar takes another significant step toward a greener industrial future with the signing of a **1.3 MW** solar project at **International Textile**. This partnership reflects a shared commitment to sustainable progress, enabling cleaner energy adoption within the industrial sector. By integrating solar power into large-scale operations, EJ Solar continues to support businesses in reducing their carbon footprint while driving efficient and environmentally responsible growth.

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An Exclusive Interview with Kamran Zafar and Irfan Ahmed, Founding Partners, Dynamik Electrical Contractor & Supplier

In an era of rapid industrialization where market trends often dictate corporate trajectories, Dynamik Electrical Contractor & Supplier stands as a testament to the power of organic growth and technical proficiency. Founded in April 2007 by Mr. Kamran Zafar and Mr. Irfan Ahmed, the Karachi-based electrical firm has evolved from a home-based partnership into a professional enterprise serving Pakistan's largest industrial and textile conglomerates. In an exclusive conversation with Engineering Post, the two founders shared the story behind their journey.

Both partners brought extensive experience from design consultancies and contracting firms, spanning the entire engineering lifecycle, from planning to on-site execution. Through consistent hard work and reliable service, the company built lasting client relationships that have endured for nearly two decades.

Unlike many firms that chase market share through aggressive marketing, Dynamik's growth has been driven largely by trust and client referrals. This allowed the partners to specialize in distinct but equally vital industrial sectors. Mr. Irfan has been instrumental in establishing the firm's presence within the automobile and banking sectors.

A significant milestone occurred when a connection in the automobile industry led to an everlasting relationship with Atlas Honda. Simultaneously, Mr. Kamran Zafar has



extensive involvement in the textile sector and maintains a longstanding relationship with the Artistic Group, including Artistic Milliners, Artistic

Garment Industries, Artistic Fabric Mills, and Artistic Denim Mills. His portfolio also includes work for Clariant and Changhan Motors, further demonstrating the firm's versatility.



Mr. Kamran credits the company's strength to its team, noting that "the people with whom we started our journey in 2007 are still with us

today, making Dynamik a centre of excellence". This internal harmony is supported by a network of trusted vendor partners, including MA and Unique Engineering, Pioneer Cables, and Clipsal (Schneider).

Dynamik's core offerings cover the full electrical spectrum, from high-tension work, including transformers and switchgear, to complete low-tension distribution through cabling and busways. The firm has competence in IT infrastructure, handling fibre optics, CCTV, PABX, and security systems. On the residential side, recent projects have incorporated smart home technology such as DALI lighting and Lutron controls in partnership with Synergy. Bridging the gap between service and production, Dynamik has expanded into in-house manufacturing, producing its own cable trays and modular floor boxes. Moreover, Safety has always been a priority for Dynamik, supported by regular training. As Mr. Kamran states, "We don't just say 'Safety First' — we practice it."

The transition from a two-person startup to a force of hundreds of employees was made possible by resilience and relentless execution. Dynamik is deeply grateful to those who have supported their vision and is optimistic about a future of continuous growth and success.

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A Candid Discussion with Engr. Imran Zafar

Business Leader, Honorary Secretary IEEEEP Karachi Center, Senior Member IEEE USA, 100 Best CEOs of Pakistan, CEO Enercon Systems International

What Energy sources are available for industries and how they are managing them?

The availability of stable, reliable, and cost-effective power is a fundamental requirement for industrial growth—one that directly shapes a country's economic trajectory. In Pakistan, where industries form the backbone of economic activity and exports, power-related challenges have become increasingly complex due to evolving energy dynamics and global sustainability demands.

Today, industries operate with a mix of energy sources, including the national grid, gas or diesel generators, renewable energy (solar and wind), and emerging Battery Energy Storage Systems (BESS). While this diversification offers flexibility, it also introduces significant operational and technical challenges.

What are major challenges for the industries and what are its expectations?

One of the most pressing issues industries face is the unreliability and rising cost of grid power. Voltage fluctuations, outages, and tariff uncertainties force industries to depend on alternate generation sources, increasing operational complexity.

At the same time, fuel constraints, particularly the limited availability of natural gas, have reduced the viability of captive generation.

The global shift toward sustainabil-

ity has further accelerated the adoption of renewable energy. Solar and wind power have become the preferred choices for many industrial consumers due to cost benefits and environmental compliance—especially as international buyers increasingly demand green supply chains from exporters in Pakistan.

However, renewable energy brings its own challenge: intermittency. Solar and wind generation are not constant, leading to instability in power availability. As a result, industries must maintain backup sources such as generators or grid connections, creating a complex hybrid power ecosystem.

This has given rise to industrial microgrids, where multiple energy sources operate together—either in parallel with the grid or in isolated mode. Managing such systems efficiently requires achieving several critical objectives:

- Maximizing renewable energy utilization
- Minimizing reliance on expensive fuel-based generation
- Ensuring uninterrupted power for critical operations
- Maintaining power quality and compliance
- Preventing complete plant blackouts

What role Enercon is playing in overcoming these challenges?

With over five decades of experience in power control systems, Enercon is a key player in helping industries navigate these challenges.

As pioneers in generator synchronization technology since 1975, Enercon enables safe and efficient parallel operation of multiple power sources. This ensures operational flexibility while maintaining compliance with both OEM and utility standards.

Enercon provides advanced microgrid and hybrid energy management solutions that intelli-

gently integrate Grid supply, Generators, solar, and BESS into a unified system. These solutions optimize energy dispatch in real time, ensuring:

- Maximum utilization of renewable energy
- Reduced cost of expensive spinning reserve.
- Improved overall efficiency and cost savings

Industrial operations cannot afford downtime. Enercon's intelligent control systems continuously monitor power sources and respond instantly to disturbances. In case of sudden loss of supply—whether from the grid, generators, or solar—its systems:

- Activate BESS support where available
- Execute smart load shedding strategies
- Protect critical loads from disruption

This significantly reduces the risk of total plant blackout.

What are harmonics and how Enercon is helping clients to address this issue?

Another major issue in industrial environments is power quality, particularly harmonics.

Harmonics are caused by non-linear loads such as VFDs, UPS systems, rectifiers, and inverters. These distort electrical waveforms, leading to:

- Overheating of equipment
- Reduced lifespan of motors, transformers, and cables
- Operational inefficiencies



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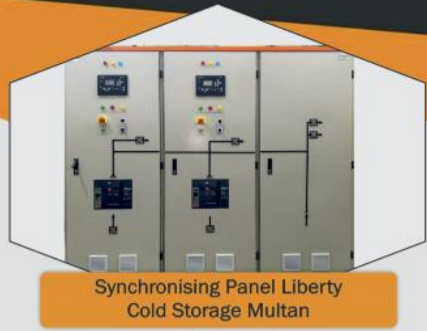
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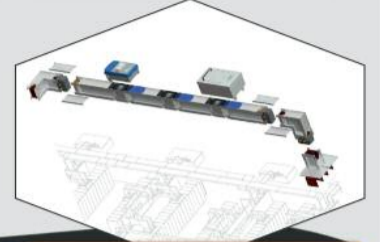
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How do you see BESS role in coming years and how it impacts Grid usage?

Battery Energy Storage Systems are rapidly becoming a cornerstone of modern industrial power systems. In Pakistan, where solar installations have grown significantly, BESS plays a crucial role in:

- Storing excess solar energy for later use

- Reducing reliance on grid exports amid changing net metering policies
- Eliminating the need for costly spinning reserve generators
- Ensuring uninterrupted operations during fluctuations

As battery technology advances and costs continue to decline, BESS adoption is expected to accelerate across both industrial and residential sectors.

The widespread adoption of solar and BESS presents a paradox for the national grid. While it reduces dependency on fossil fuels, it also leads to:

- Reduced grid consumption by industries
- Financial strain on utilities
- Potential increase in tariffs

Most industries, however, are unlikely to completely disconnect from the grid. Instead, they use it as a backup source, requiring utilities to maintain full capacity despite lower consumption levels.

What should be the balance approach?

These challenges requires a balanced and forward-looking approach:

- Promoting industrial growth to utilize available grid capacity
- Investing in large-scale renewable IPPs to reduce generation costs
- Enhancing grid management through smarter policies and technologies
- Encouraging integration of hybrid energy systems

How do you see Enercon

growth potential in future?

The industrial power landscape is undergoing a significant transformation—from centralized generation to decentralized, hybrid energy ecosystems. While this shift introduces complexity, it also opens new growth avenues for Enercon and other companies.

In this evolving environment, Enercon Systems International plays a pivotal role by enabling industries to seamlessly integrate diverse energy sources, improve power quality, and ensure reliable operations.

By combining technical expertise with innovative solutions, Enercon is not only addressing today's power challenges but also shaping the future of industrial energy management.



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Lister Petter Launches Earth Max Series for Large-Scale Power Generation

By Simon Lee, Director Commercial, Lister Petter UK



Lister Petter has announced the launch of the Earth Max Series, a new high-output engine platform developed to meet the growing global demand for dependable, large-scale power generation.

Engineered for fixed-speed 1500 rpm applications, the Earth Max Series significantly expands Lister Petter's capability in the power generation sector. The range delivers prime power outputs from 1020 kW to 2220 kW, making it suitable for standby, prime and continuous duty environments where reliability and operational resilience

are critical. The platform spans several configurations, beginning with the 20-cylinder LP2041EG models delivering up to 1115 kW prime power, and extending to the flagship 16-cylinder LP1686EG variants exceeding 2 MW net prime output. The engines are designed to support generator set packages of up to 2750 kVA, enabling integration into high-demand installations such as data centres, utilities, industrial infrastructure and grid support projects worldwide.

At the core of the Earth Max platform is a combination of advanced high-pressure Common Rail fuel injection and high efficiency turbocharged aftercooled architecture, delivering optimised fuel performance across the load curve. Built in accordance with ISO

3046 and ISO 8528 standards, the engines feature heavy-duty cooling and lubrication systems engineered specifically for continuous operation in demanding environments. At the top of the range sits the



engine is designed for large-scale standby and prime power installations where performance margins and reliability are essential.

As global infrastructure in-

within the large-output power generation sector. The new platform reflects the company's commitment to delivering scalable, high-density power solutions for modern energy demands. In Pakistan, Lister Petter products are exclusively available through Power Vision Systems, which supplies the full range of Lister Petter solutions across diesel engines, gas-powered systems and battery energy storage systems (BESS), supporting customers

across the country with integrated power solutions.

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LP1686EG28, the most powerful configuration in the series. Delivering up to 2220 kW prime power at 1500 rpm, this 16-cylinder

vestment accelerates and demand for megawatt-scale power continues to grow, the Earth Max Series positions Lister Petter firmly

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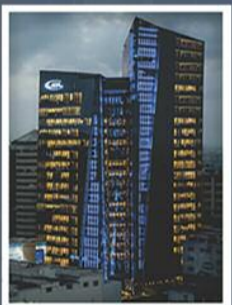
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Mecatech Hosts Iftar Dinner to Honor Employees and Strengthen Industry Ties

Mecatech (Pvt) Ltd., under the leadership of its Chairman Anwar ul Haq, hosted a prestigious Iftar dinner at Faletti's Hotel Lahore, bringing together prominent figures from academia, engineering,

of Honor. The gathering provided a valuable platform for networking and strengthening ties between industry professionals and academic leaders. Leading consultants, contractors and industry professionals from various

hesive engineering ecosystem in Pakistan.

A key highlight of the evening was the distribution of prizes and shields to high-performing employees in recognition of their dedication and outstanding

ing. He noted that such gatherings not only strengthen internal cohesion but also enhance morale and productivity.

The Iftar dinner concluded on a note of camaraderie and mutual respect, reflecting Mecatech's vision of building a



and industry in a spirit of unity and appreciation.

The event was graced by the Chief Guest, Prof. Dr. Shahid Munir, T.I., Vice Chancellor of the University of Engineering and Technology (UET) Lahore, while Engr. Suhail Aftab Qureshi, Vice Chairman of Punjab Pakistan Engineering Council, attended as the Guest

walks of life also attended the gigantic event.

Addressing the attendees, the distinguished guests appreciated Mecatech's initiative to foster collaboration and recognize the contributions of its workforce. They emphasized the importance of such engagements in promoting professional growth, innovation, and a co-

contributions. The awards ceremony underscored Mecatech's commitment to valuing excellence and motivating its workforce to achieve higher standards of performance.

Chairman Anwar ul Haq, in his remarks, reiterated the company's belief in acknowledging employee efforts and creating opportunities for team build-

dynamic and motivated workforce while maintaining strong connections with key stakeholders. Events like these continue to play a vital role in reinforcing organizational culture and promoting a positive and collaborative work environment. Such appreciation by the company helps build morale and team spirit.



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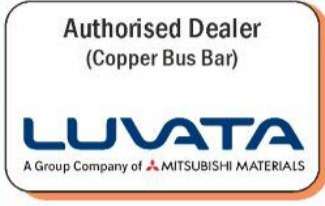
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KP Emerges as Pakistan's Top Oil Producer with 42% Share

Khyber Pakhtunkhwa has overtaken other provinces to become the country's leading crude oil producer, contributing 42 percent of Pakistan's total domestic oil output, according to the latest Pakistan Oil and Gas Exploration Activity (POGEA) report.

Sindh retained its position as the dominant natural gas-producing province with approximately 61 percent of national production, the report revealed.

The data, also highlighted by

Topline Securities, shows a clear shift in the energy landscape amid the government's aggressive push toward enhancing domestic production to meet rising demand, especially in the wake of the US-Israel conflict with Iran and growing concerns over potential disruptions in global energy supplies.

According to the POGEA report:

Crude Oil Share: Khyber Pakhtunkhwa (42%), Sindh (39%), Punjab (18%), and Balochistan

(1%).

Natural Gas Share: Sindh (61%), Balochistan (21%), Khyber Pakhtunkhwa (15%), and Punjab (3%).

Production figures have shown encouraging growth. Crude oil output increased by 3 percent month-on-month and 2 percent year-on-year, while natural gas production registered a robust 11 percent rise on a month-on-month basis and 2 percent year-on-year.

In a key development to stabilise the energy sector, the gov-

ernment has restored 350 million cubic feet per day (mmcf) of previously curtailed domestic gas supply. This gas had been restricted earlier to manage "line-pack" pressure caused by surplus LNG imports. The restoration prioritises local resources and is expected to help ease chronic energy shortages across the country.

Analysts view these developments as a positive step in reducing reliance on expensive imported fuels and strengthening energy security.

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How Ajmairy Electric is Transforming Perceptions and Powering Progress

A candid Conversation with Faraz Khan, CEO

Under the leadership of CEO Faraz Khan, Ajmairy Electric continues to shape Pakistan's electrical landscape by prioritizing quality, innovation, and value-driven solutions.

For more than three and a half decades, the company has earned a solid reputation as a dependable provider of electrical products that serve both household consumers and large-scale industrial operations. Ajmairy has played a pivotal role in transforming how Chinese-made electrical goods are viewed in the country. What was once dismissed as low-grade and short-lived has evolved into a category respected for reliability and performance, thanks to consistent efforts in sourcing and quality control.

Faraz Khan reflects on the early days when market attitudes were sharply polarized. Japanese components enjoyed a premium status for their superior build, yet their high cost put them out of reach for the majority of Pakistani businesses and industries. Meanwhile, products from China carried a stigma of inconsistency and poor durability. "Back then, the consensus was clear: Chinese parts simply couldn't be trusted, while Japanese ones, although outstanding, came with a price tag few could afford," Faraz Khan recalls. "We saw an opportunity when we identified Chinese

factories capable of delivering world-class quality. Bringing those options to Pakistan allowed us to slowly shift perceptions and prove that excellence didn't have to come at a prohibitive cost."

This strategic focus on rigorous quality assurance, without sacrificing affordability, sparked genuine demand for trustworthy Chinese alternatives. Ajmairy Electric steadily dismantled outdated biases, fostering lasting confidence among customers and partners alike.

Its client portfolio features major names such as Pakistan Navy (PNS), Karachi Port Trust (KPT), Gul Ahmar, Alkaram, SM Jaffar, and Pakistan Oil Mill. In the real estate and development sector, it collaborates closely with respected players including Saima Builders, Bahria Town, and Mohammad Bin Qasim Builders.

These long-standing relationships highlight Ajmairy's commitment to profes-

sionalism, timely delivery, and unwavering dependability.

A key pillar of the company's offerings lies in energy-efficient technologies that help businesses cut operational expenses. The lineup includes advanced capacitors featuring integrated Power Factor Improvement (PFI) capabilities and smart communication systems. These allow users to track consumption patterns in real time and fine-tune their power management for maximum savings. "We've always emphasized products that deliver tangible energy and cost reductions," Faraz Khan explains. "Our PFI-equipped capacitors provide actionable insights, empowering industries to operate more efficiently from day one."

Looking ahead, Ajmairy Electric remains agile in response to evolving in-

dustry requirements. Having established a robust presence in low-voltage switchgear, the company is now pushing boundaries with next-generation innovations. It is actively developing 1500V DC components tailored to the rising needs of high-voltage direct current systems, while also rolling out circuit breakers embedded with Wi-Fi connectivity for seamless, intelligent control. "Our pipeline includes cutting-edge 1500V DC solutions and smart Wi-Fi breakers," says Faraz Khan. "The goal is to bring distinctive, top-tier products that truly differentiate us in a crowded field."

What truly distinguishes Ajmairy Electric is its balanced approach: uncompromising quality paired with forward-thinking features and accessible pricing. "Because our range is genuinely unique, we avoid head-on price wars," Faraz Khan notes. "Combined with competitive rates, this makes us the go-to option for those seeking reliability without compromise."

Through its dedication to progress and customer-centric excellence, Ajmairy Electric is not just participating in Pakistan's electrical sector it is actively redefining it, equipping clients with smarter, more sustainable choices for the future.



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LUMS Study Maps Path for Fossil-Free Power System by 2040

A groundbreaking study by the LUMS Energy Institute has concluded that Pakistan can achieve a clean, largely fossil-free electricity system by 2040 without compromising affordability, reliability, or energy security.

The report, titled 'The Net Zero Transition: A Pathway to Clean and Sustainable Electricity by 2040', presents one of the most comprehensive analyses of the country's power sector to date. Based on advanced system modelling and demand projections, it

outlines a realistic pathway to reduce fossil fuel-based electricity generation, currently nearly half of the energy mix, to less than one percent by 2040.

According to the study, this transition could prevent up to 78 million tons of carbon emissions, positioning the power sector at the forefront of Pakistan's

climate strategy. A key driver of this shift is the rapid expansion of



distributed solar energy, which is expected to significantly lower

daytime grid demand, with minimum system load projected to drop to around 3,000MW during certain periods.

The report proposes a 15-year roadmap featuring the addition of 8,500MW of solar, 14,000MW of wind, and 7,000MW of battery storage capacity, alongside critical grid modernization investments estimated at \$5.5 billion. It empha-

sizes that integrating indigenous renewable resources will reduce reliance on imported fuels and shield the economy from global price volatility.

Speaking at the launch, Shaista Pervaiz Malik highlighted the importance of evidence-based policymaking, while Musadik Malik stressed the need to harness local resources through sound policies. Experts noted the study offers a practical blueprint for achieving a stable, affordable and sustainable energy future.

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Energy Security & Sustainability Measures by the Federal Government

Report by Engineering Post

The federal government was undertaking several strategic initiatives under the National Economic Transformation Plan (URAAN Pakistan) for enhancing energy security, sustainability, and efficiency during the ongoing financial year 2025-26.

These initiatives were closely aligned with the achievements of the Sustainable Development Goals

(SDGs), Pakistan's climate commitments, Nationally Determined Contributions (NDCs), and strategies for resilience and adaptation.

These key policies, reforms and programmes, inter alia, included the National Electricity Plan 2023-27 which focuses on the key objectives i.e. diversification, resilience, self-sufficiency, affordability, financial stability, and sustainability--dually supported by twenty priority arrears with clear targets to ensure

clean, reliable, and affordable energy.

Similarly, green energy projects were also in line with URAAN Pakistan and the Alternative and Renewable Energy (ARE) Policy 2019 which had set targets of increasing the share of renewables to 30 percent in the power generation mix by 2030.

The new initiatives for Grid stability and reliability included the Deployment of Battery Energy Stor-

age Systems and 400 MVAR Reactive Power Compensation Devices in the National Transmission and Dispatch Company (NTDC) network improve grid flexibility and resilience. According to the information available from the official sources concerned, all this aligned with URAAN Pakistan's resilient infrastructure priority as well as National Electricity Plan 2023-27's which also emphasize modernizing infrastructure.

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Human Centered Innovation in Engineering Design

Engr. Dr. Muhammad Nawaz Iqbal



The introduction to the engineering design of human-oriented innovation has become a radical perspective where the needs, behaviors and experiences of human beings have become the central focus of the technological advancement. Contemporary engineering design process is initiated by profound human understanding and compassion towards users rather than initial stages of technical feasibility alone. Ethnographic research, behavioral observation and participatory engagement are increasing in popularity among engineers who need to comprehend how

people use technologies in real-life situations so that the solutions they produce are not only technically sound but also socially significant. One of the current trends is the incorporation of emotional analytics in the design of engineering. Engineers can study the emotions of the users through high-tech sensors and artificial intelligence when using prototypes. Face expressions and voice tones as well as behavioral cues give good feedback as to whether a user is comfortable, satisfied or frustrated. This understanding helps designers to create technological products that are more perfect to functional needs as well as emotional and psychological pre-emptions.

The other new aspect of human-centered engineering concerns co-creation

with end users. Organizations do not deal with users as passive consumers but ask them to take part in the design process. Engineers work with communities, patients, students, and professionals to come up with ideas, test prototypes and enhance product functionality. The output of this model of collaboration is more relevant, inclusive, and adaptable technologies to the different contexts of users.

Accessibility is also being redefined through the human-centered innovation in the engineering design. The contemporary engineers are gradually creating more technologies that can be used by people who perform differently in terms of physical ability, mental aptitude, and culture. Inclusive design systems would promote the development

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of versatile products like smart interfaces, support machines, and universal user experiences that would make technology useful to a larger group of people. The emergence of immersive simulation technologies has offered novel options on human-centered engineering. AR and VR enable engineers to have an idea of how users will interact with their products prior to the construction of the products themselves. Designers will be able to see how people move around complicated systems, use equipment, or use computer-like systems and can quickly improve designs without incurring expensive manufacturing of products.

The other important innovation is the merging of behavioral science to engineering design. There is a growing collaboration of engineers with psychologists and sociologists in the context of adopting and using technologies. The understanding of cognitive load, habit formation and decision making behavior assists the engineer to design systems that are easy to operate, which means that the learning curve related to the use of sophisticated technologies will be minimized.

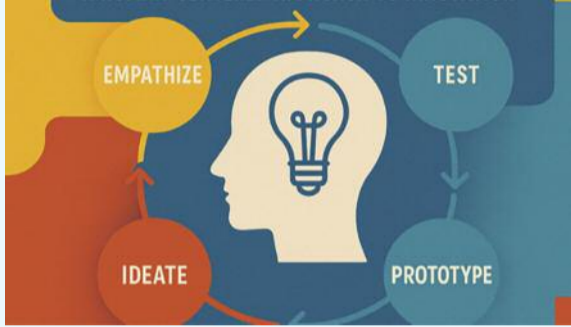
Adaptive technologies have also been developed faster using

human-centered innovation. The contemporary products are also programmed to learn about the user behavior and change their functionality. Smart devices, intelligent interfaces, and customized software environments serve the preferences of the user, allowing the dynamic relationship of human and technology to become more usable and efficient.

One of the current developments in the engineering design is cultural sensitivity. The technologies designed to be used in the international markets have to take into account the cultural norms, styles of communication, and social values.

The human-centered design processes thus integrate the use of cross-cultural research to make certain that the technological remedies are not irrelevant and disrespectful in various social settings.

Trust is another idea that has been brought to the fore in human-centered engineering. With the increasing use of technologies like artificial intelligence and automation, an engineer should make sure that the users of the systems have confidence in the systems. Explainable interface and transparent algorithms can be used to develop technologies that users can feel free to use



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and trust.

The other new feature is the application of data-driven user insights. Engineers are able to constantly examine the interaction of the users with the technological systems through data of the digital interactions. Such insights expose latent problems in the usability of a product and enable the designers to improve the product even after launching, and they form a circle of everlasting human enhancement.

Design, which is sustainability-oriented, is also being influenced by human-centered engineering. Now engineers take into consideration the impact of technologies not only on the users

but also on the communities and the environmental systems. Products are made in such a way that they reduce wastage, save on energy and encourage responsible use and performance to the individuals.

Another new development is the incorporation of interdisciplinary cooperation. The design process is usually influenced by modern engineering teams, which comprise designers, social scientists, healthcare professionals, and data analysts. This interdisciplinary approach is critical in that the technological solutions put forward to solve human problems are not based on technical considerations.

The human-centered design practices have been further reinforced by the rapid prototyping technologies like 3D printing. Physical prototyping enables engineers to produce prototypes at an early stage in the design process and to have a user interface with it. Real-time user responses facilitate continuity in the process of improvement and this limits chances of coming up with products that do not address the actual human requirements.

Safety engineering is also changing to the human-centered innovation. Engineers no longer study only the mechanical reliability of complex technological systems, but consider human be-

havior. Designers can develop less risky and more safety-related technologies by learning how people can make mistakes, react to stress, or even communicate with automated systems.

The philosophy of engineering is also being redefined to be all about human-centered innovation. Technology is no longer considered as a means of efficiency or productivity but as a continuation of human ability. The engineers are making a greater responsibility in the design of technologies that improve well being, empower individuals and develop meaningful interactions among individuals and the systems that define modern life.

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Laylat-ul-Qadr

By Mohammed Tariq Haq, Founder & CEO,
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When the earth lies silent beneath the cloak of night,
When hearts whisper prayers the tongue cannot recite,
When the stars bow low in silent beauty,
There descends the Eternal Lord's mercy.

"Indeed, We sent it down on the Night of Decree."
The night that lights up human destiny.
A message descended from the heavens afar,
Guiding lost hearts like a radiant star.

No scale of the world can measure its treasure
For Laylat-ul-Qadr is better than a thousand months of prayers.
One tear in repentance, one whisper sincere,
May brighten the destiny forever.

The angels descend in silent array,
With Jibril leading their luminous way.
They descend with decrees from the Lord Most High,
For every soul living beneath His vast sky.

They pass through the earth with greetings of peace,
Where hearts bow in sajdah and tears release—
"Peace it is until the rise of dawn,"
And every pain seems to be gone.

From dusk till the break of the morning light,
Mercy embraces the faithful that night.
O seeker of mercy, awaken your soul—
Let remembrance and repentance be your goal.

Perhaps in this moment, unseen, unheard,
Your name is written among those preferred.
Raise trembling hands, let repentance flow,
For the One who forgives already knows.

So stand in the darkness, yet bathed in His light,
A servant humbled in Qadr's sacred night.
For destinies change where sincere hearts beseech
And a thousand hidden blessings are released.

When dawn finally breaks and the stars depart,
Leave that night written deep in your heart.
For whoever finds Qadr with faith and plea—
Finds the keys to eternity.

Perhaps this very night your fate is rewritten.
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Perhaps this very night your soul is cleansed within.

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Minerals Investment Forum postponed till November 2026

Report by Engineering Post

The Pakistan Minerals Investment Forum 2026 (PMIF26) has been postponed till November 12-13, 2026. The Forum, which was originally scheduled to be held on April 8 and 9, 2026 has been postponed by the organizers in view of the evolving regional developments and the international travel environment affecting a number of key markets as well as the prospective investors' travelling restrictions and problems.

In view of the Forum organizers, moving the Forum to November from sched-

uled April dates will hopefully create a more stable window for the international delegations, prospective investors and industry leaders to fully and actively participate in the high-level dialogue and partnerships that the Forum intends to facilitate. The organizers have maintained that the Pakistan Minerals Investment Forum will continue to serve as Pakistan's flagship platform for showcasing the country's mineral potential and enabling engagement among mining companies, exploration firms, service providers, financial institutions, as well as the government stakeholders, nationally and internationally.



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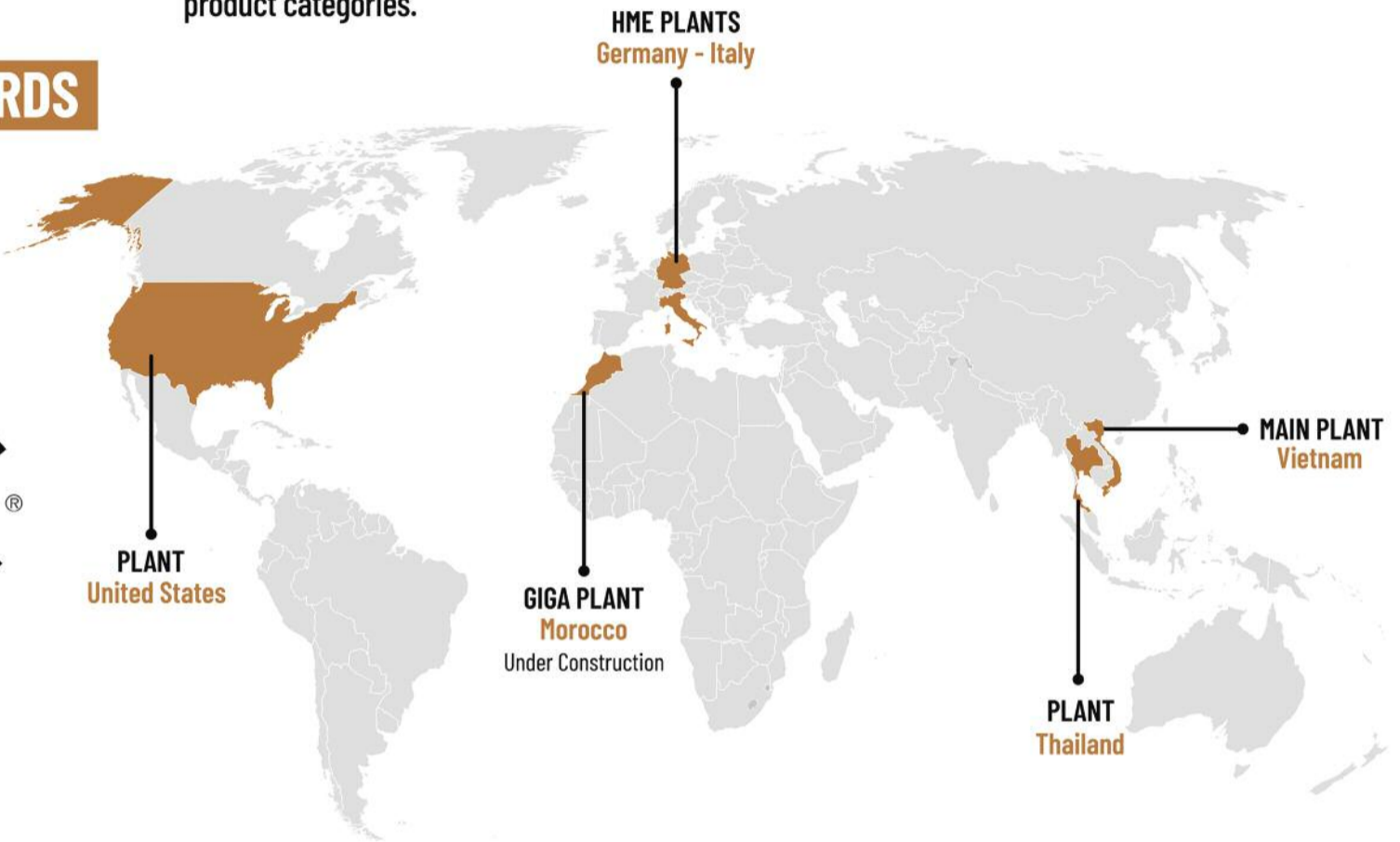
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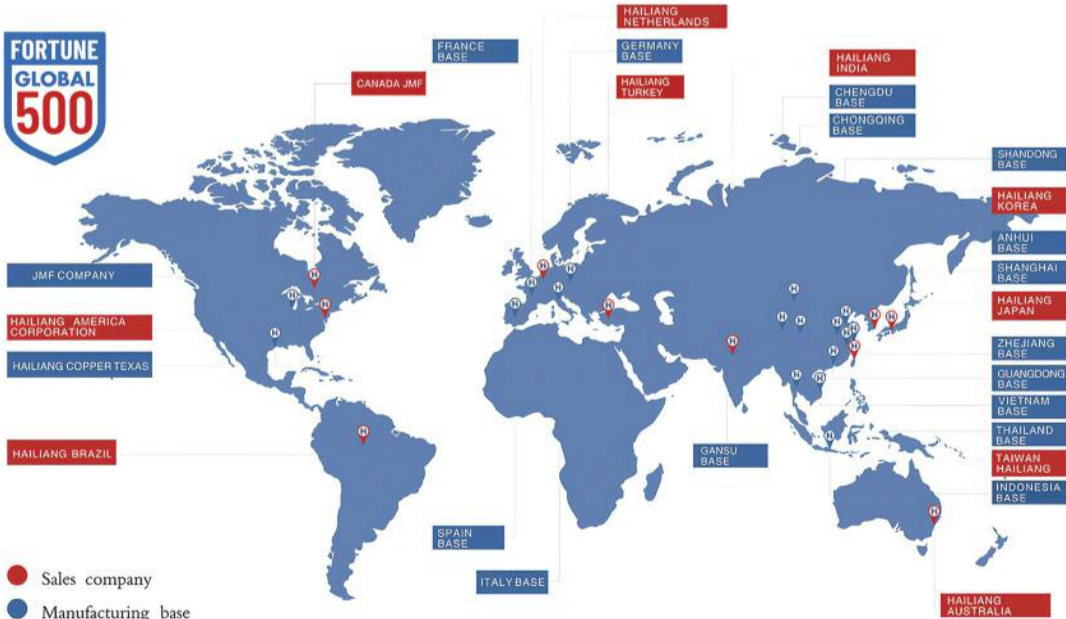
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Virtual Assets Act becomes a law

Report by Engineering Post

Pakistan has enacted the Virtual Assets Act 2026 thereby creating a legal framework for regulating the country's digital financial sector and also fulfilling a condition linked to the International Monetary Fund (IMF) 's ongoing Extended Fund Facility (EFF) programme.

The legislation was recently approved by the parliament to formally establish the Pakistan Virtual Assets Regulatory Authority (PVARA) as the national regulator for virtual asset markets and service providers. As a matter of fact the PVARA had initially been created in July 2025 through a presidential ordinance and now the new law has granted it a permanent legal status.

The authority, so created under the act, will license virtual asset service providers operating in or from Pakistan and supervise their activities. It will also be regulating digital asset markets and monitor compliance with financial, security and legal standards.

According to the information gathered from the official sources the framework was intended to strengthen and oversee digital financial activities while supporting the adoption of emerging financial technologies. PVARA has also been empowered to ensure transparency and financial integrity in the virtual assets sector and also monitor compliance by the licensed operators. Furthermore, the legislation has also aligned Pakistan's regulatory regime with the international standards for digital asset supervision and financial compliance.

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Sigma Elektrik pariticipates at Germany's Light+Building Expo

Strengthening Pakistan's presence in the global electrical engineering market, Sigma Elektrik participated in the internationally renowned Light+Building Expo in Germany. Representing the company through its principal partner, Sigma Elektrik Turkey, Mr. Asad Butt of Jawad Electric also attended the event.

Jawad Electric, the official distributor of Sigma Elektrik Turkey in Pakistan, leveraged this prestigious platform to showcase its growing foot-

print and reinforce its commitment to bringing high-quality electrical solutions to the local market. The Light+Building Expo, known as one of the world's leading trade fairs for lighting and building services technology, attracted industry leaders, manufacturers, and professionals from across the globe.

During the event, Mr. Asad Butt engaged with a wide range of relevant customers, partners, and stakeholders, exploring new business opportunities and strengthening existing relationships. His participation high-

lighted the increasing role of Pakistani companies in international exhibitions and their ability to connect with global markets.

The visit also provided valuable exposure to the latest trends, innovations, and technological advancements in the electrical and building solutions sector. Such interactions are expected to benefit the local industry by facilitating knowledge transfer and introducing modern solutions to Pakistan.

Industry experts view participation in global expos like Light+Building as a significant step toward enhancing Pakistan's engineering exports and competitiveness. By collaborating with established international principals such as Sigma Elektrik Turkey, companies like Jawad Electric are positioning themselves as key contributors to the country's industrial growth.

The engagement concluded on a positive note, with promising prospects for future collaborations, reflecting Jawad Electric's commitment to innovation, quality, and global integration.



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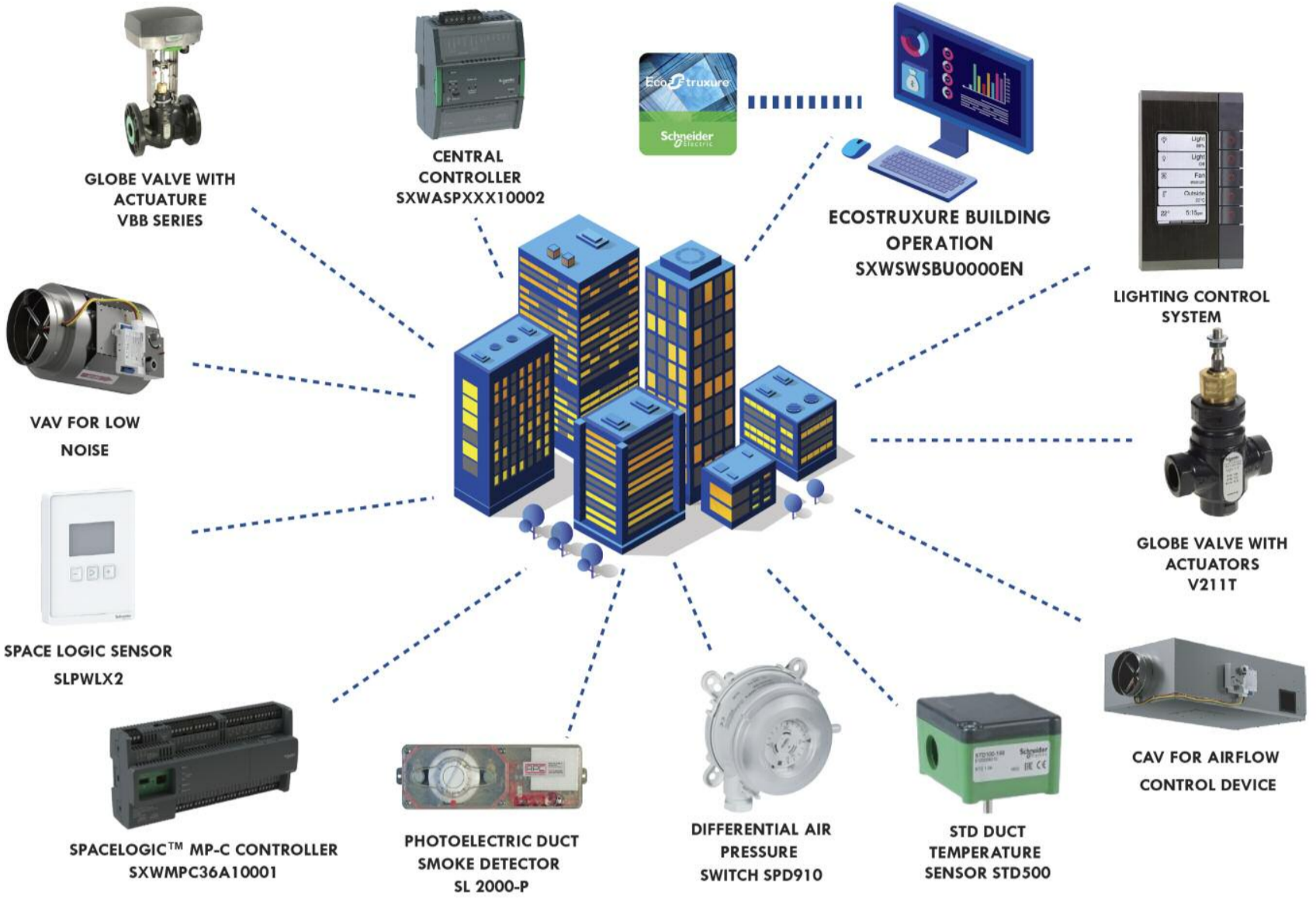
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Automobile Industry Car Sales yearly and monthly up and down

Report by Engineering Post

Passenger car sales in Pakistan reached 17121 units during February 2026 which was as much as 42 percent high as compared to the same month of 2025. However, it was down by 26 percent from sales in January as per information available from the Pakistan Automotive Manufacturers Association (PAMA).

The February figures brought cumulative car sales during the first eight months of FY 2026 to 128498 units representing a 43 percent increase compared with 89770 units sold during the same period last year.

Among the manufacturers, Pak Suzuki Motor Company reported sales of 8160 units during February 2026 up by 53 percent from the same month last year but down by 25 percent from January.

Indus Motor Company reported sales of 3817 units, showing a 46 % on a yearly basis but a 25 % decline compared with the previous month.

Honda Atlas Cars sold 2114 vehicles in February, reflecting a 3 percent increase compared with the same period last year but a drop of 42 percent from January 2026. Sazgar Engineering reported sales of 1682 units, showing as high as 90 percent increase compared with February last year but a 16 percent decline from the previous month.



Hyundai Nishat Motors reported sales of 1021 units down just 3 % year-on-year while remaining largely unchanged compared with January.

Sales of two and three wheelers reached 159512 units in February, up by 24% from a year earlier, but down 12 percent from January. Cumulatively, sales of this segment reached about 1.3 million during first eight months of FY 2026 marking an increase of 31 percent increase on year-on-year basis.

Details about models wise of the cars, two and three wheelers have been avoided for want of space, please.

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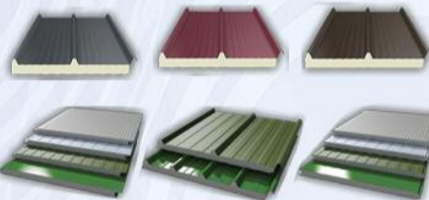
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UET Lahore Climbs to 201st Globally in QS Engineering & Technology Rankings 2026

The University of Engineering and Technology (UET) Lahore has once again put Pakistan on the global academic map, securing an impressive 201st position worldwide in the QS World University Rankings by Subject 2026 for Engineering and Technology.

This marks a notable improvement of four places from its 205th ranking last year, underscoring the university's sustained progress in academic quality, research output, and institutional development.

UET Lahore's standout performance extends across multiple disciplines. It has achieved a remarkable position in the global top 51-100 for Petroleum Engineering, highlighting its specialized strength in this critical field. In core engineering areas, Electrical and Mechanical Engineering have been ranked in the 201-250 band, while Civil Engineering stands at 201-275. Materials Science and Chemical Engineering feature in the 301-350 range, Computer Science in 351-400, Mathematics in 401-450, and

Physics in 551-600.

The university has also demonstrated multidimensional growth, earning rankings of 601-650 in Business and Management Sciences and 601-700 in Chemistry.

Vice Chancellor Professor Dr. Shahid Munir expressed pride in the achievement, attributing the success to UET Lahore's rich academic traditions, high-quality research, and the unwavering commitment of its faculty and students.

"These rankings reflect our continuous efforts to uphold excellence and elevate our prestige both nationally and internationally," he said. "We remain dedicated to nurturing talent that contributes meaningfully to Pakistan's progress and the global engineering community."

UET Lahore's rising trajectory in the QS subject rankings reinforces its status as Pakistan's premier engineering institution and a key player among leading universities worldwide. The latest results are expected to boost the university's appeal to international students and research collaborations.



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ECC Approves Major Power Sector Reforms to Cut Tariffs, Save Billions

The Economic Coordination Committee (ECC) of the Cabinet has approved a sweeping set of amendments to agreements with nearly 20 wind, solar and thermal power projects, paving the way for substantial financial savings and a reduction in electricity tariffs, subject to regulatory clearance from National Electric Power Regulatory Authority.

The decision marks a significant step in the government's broader power sector reform agenda aimed at tackling the persistent circular debt crisis. Officials revealed that the Prime Minister's Task Force on Power Sector Reforms has already secured the termination of six Independent Power Producers (IPPs) while negotiating tariff reductions and waivers on late payment interest (LPI) with several thermal and state-owned plants.

As part of the latest measures, agreements with 14 wind power plants and one solar project have been revised after extensive negotiations. Older wind projects operating under higher tariff regimes, some as high as Rs 42 per unit, have agreed to revised financial terms, including reduced returns, lower operational costs and LPI waivers. These adjustments alone are projected to save approximately Rs 117 billion over the life of the projects.

Additionally, Quaid-e-Azam Solar Power (Pvt) Ltd has agreed to revised terms expected to generate savings of Rs 45.7 billion, alongside a complete waiver of LPI to ease the circular debt burden.

The ECC also approved revisions to the agreement with Fauji Kabirwala Power Company Limited to resolve outstanding disputes

and ensure fair settlement of dues.

Despite concerns from some stakeholders over reduced government dividends, authorities maintain that the reforms will deliver long-term economic benefits by lowering tariffs, improving efficiency and stabilising the energy sector.

Rising Fuel Prices Shift SUV Market toward Hybrid, Electric Options

With petrol prices in Pakistan exceeding Rs 320 per liter, the cost of operating conventional sport utility vehicles (SUVs) is rising sharply, prompting a shift toward plug-in hybrid and range-extended electric vehicles, industry experts say.

The debate around new energy vehicles is increasingly being driven by economics rather than just environmental concerns. At current fuel rates around Rs321 per litre, running a petrol-powered C-segment SUV with an average fuel economy of 10 km per liter costs nearly Rs32 per kilometer.

Even conventional hybrids, offering around 18 km per liter, cost approximately Rs18 per kilometer, leaving consumers still exposed to fuel price volatility.

Plug-in hybrids (PHEVs) and range-extended electric vehicles (REEVs) provide a more cost-effective alternative by enabling most urban travel on electricity.

Industry experts believe that the growing adoption of rooftop solar systems in Pakistan further strengthens the case for electric mobility, allowing households to reduce both electricity and transportation costs, while easing dependence on imported fuels.

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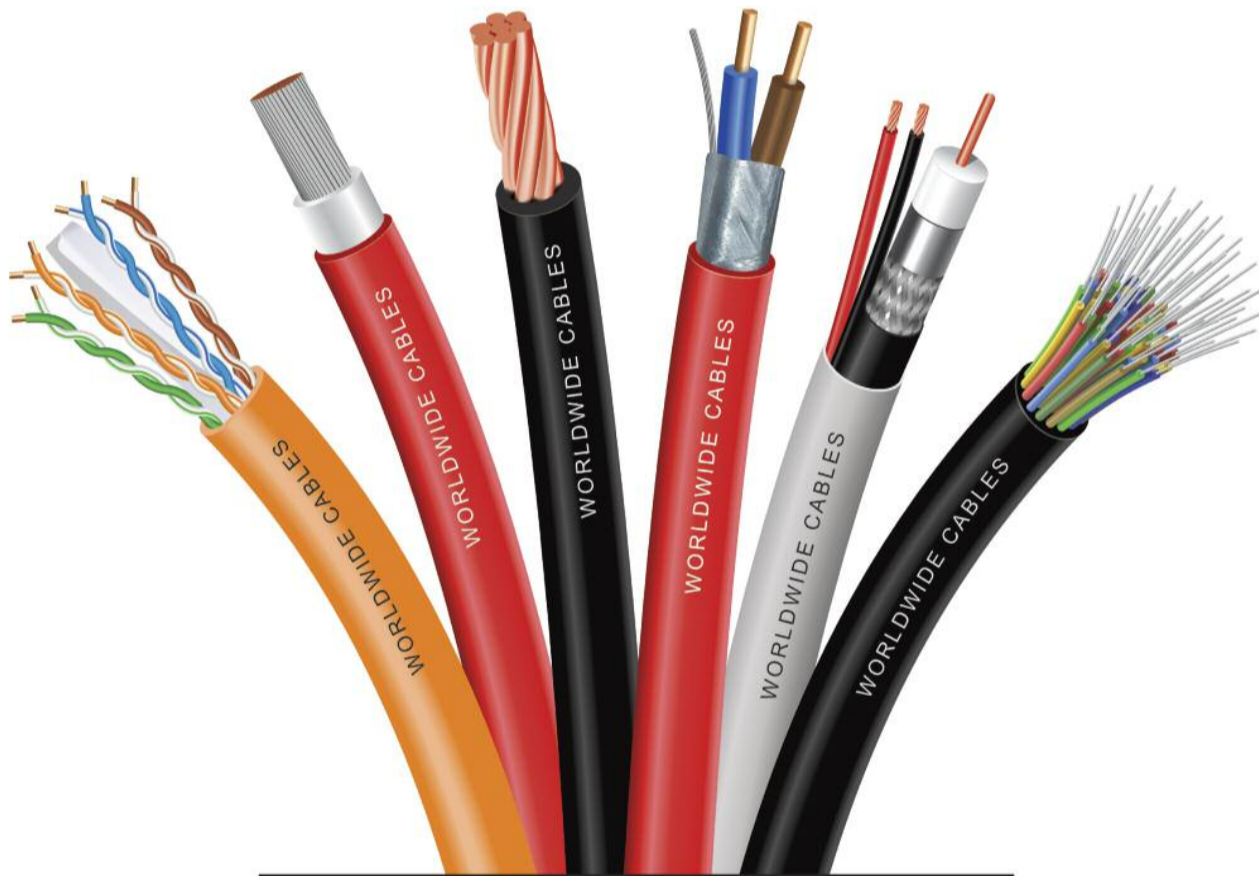
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Pakistani Firms Gear Up for Global Showcase at Techtexsil, Texprocess 2026, Germany

The global textile industry is set to converge in Frankfurt this April as Techtexsil 2026 and Texprocess 2026 open their doors, bringing together over 1,700 exhibitors from 49 countries in one of the sector's largest gatherings.

The twin exhibitions will spotlight practical innovations in technical textiles and garment processing, with a strong focus on advanced materials for workwear, protective clothing, sportswear, and smart fashion. Industry players are also expected to present sustainable solutions, cutting-edge technologies, and efficient production techniques to address evolving global challenges.

Pakistan is poised to make a strong impression at the events, with participation facilitated by the

Trade Development Authority of Pakistan. Key exhibitors include Sadaqat Limited, Haroon Fabrics, JK Spinning, and Ahmed Fine Weaving. Additionally, prominent independent firms such as Artistic Milliners, H Nizam Din & Sons, Master Textile, Sapphire Finishing, Nishat, and Pakwinz International will showcase their capabilities.

The exhibitions are anticipated to attract a significant international audience, building on the success of the 2024 edition, which drew over 63,000 visitors worldwide.

For Pakistan's textile sector, the platform offers a vital opportunity to enhance exports, engage directly with global buyers, and strengthen long-term trade partnerships while aligning with emerging international trends.

K-Electric Appoints Syed Taha as New CEO

K-Electric Limited has appointed Syed Taha as its new Chief Executive Officer, effective April 15, 2026, the company announced in a notification to the Pakistan Stock Exchange.

He succeeds Adeeb Ahmad, who had been serving as interim CEO following the resignation of former chief Moonis Alvi earlier this year.

Syed Taha brings extensive experience in the energy sector. He previously served as Chief Distribution Officer at K-Electric and has been

leading Pakistan State Oil as Managing Director and CEO since February 2020. His international exposure includes a leadership role at Oasis Energy and overseeing the Program Management Office for the Port Harcourt Electricity Distribution Company in Nigeria.

An engineering graduate with an MBA in Finance from the Institute of Business Administration, Taha is expected to steer K-Electric through its next phase of operational and strategic growth.



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Farid Ahmad Tarar Appointed New Chairman of Competition Commission of Pakistan

The federal government has appointed senior bureaucrat and economic expert Farid Ahmad Tarar as the new Chairman of the Competition Commission of Pakistan (CCP), bringing more than three decades of rich experience in public financial management, regulatory reforms, and economic governance to the key regulatory body.

The appointment comes at a time when the CCP is expected to play a stronger role in ensuring fair market competition, protecting consumers, and supporting economic reforms across multiple sectors.

Tarar has an impressive track record of working with international development partners on major reform initiatives. He served as Team Leader for the European Union-funded Public Financial Management (PFM) Reform Programme, Strategic Policy Advisor for the FCDO-funded SEED programme, and Team Leader in a UNICEF-supported project aimed at strengthening public financial management systems in Pakistan. In these capacities, he contributed significantly to fiscal policy design, pub-

lic expenditure management, institutional development, and revenue mobilisation efforts.

Earlier in his career, Farid Tarar served as Pakistan's Commercial Counsellor in Rome, where he actively promoted trade and economic relations with the European Union. His efforts included important engagements during the process that

led to Pakistan securing GSP+ status, providing enhanced market access to European markets.

As a senior civil servant, he has held several key positions including Secretary to the Government of Punjab, Finance Secretary of Azad Jammu & Kash-

mir, and Member of the Punjab Revenue Authority.

Farid Ahmad Tarar holds a Master's degree in Accounting and Finance from Manchester Business School, University of Manchester (UK), along with an MBA in Finance. He has also authored important policy documents for international partners, notably the Sindh Public Financial Management Reform Strategy and the Sindh Tax Revenue Mobilisation Plan.



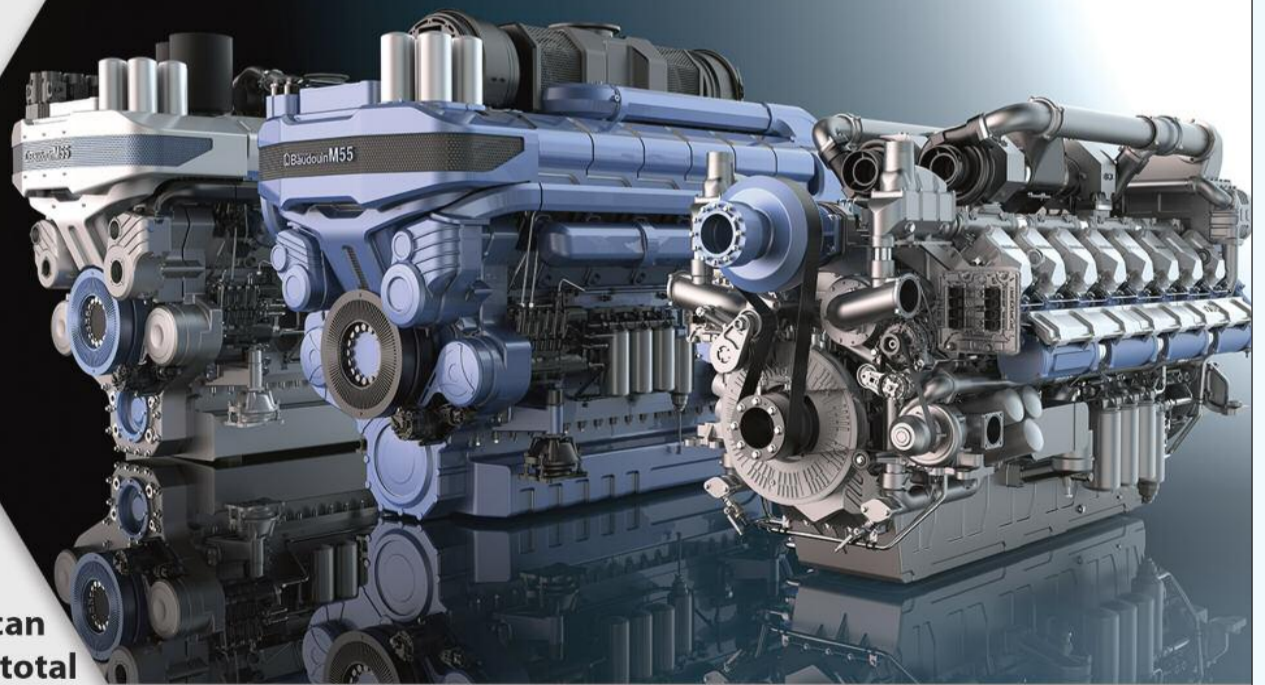
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Power Frequency Withstand Voltage Dry	315 kV	530 kV
Lightning Impulse Withstand Voltage Dry	650 kV	1050kV
Short Circuit Withstand Capability	40 / 50 kA	40 / 50 kA

APPLICATION

Surge arresters are used to protect the insulation of a system from over-voltage transients caused by external (lightning) or internal (switching) events. It is also called a surge protection device or transient voltage surge suppressor.

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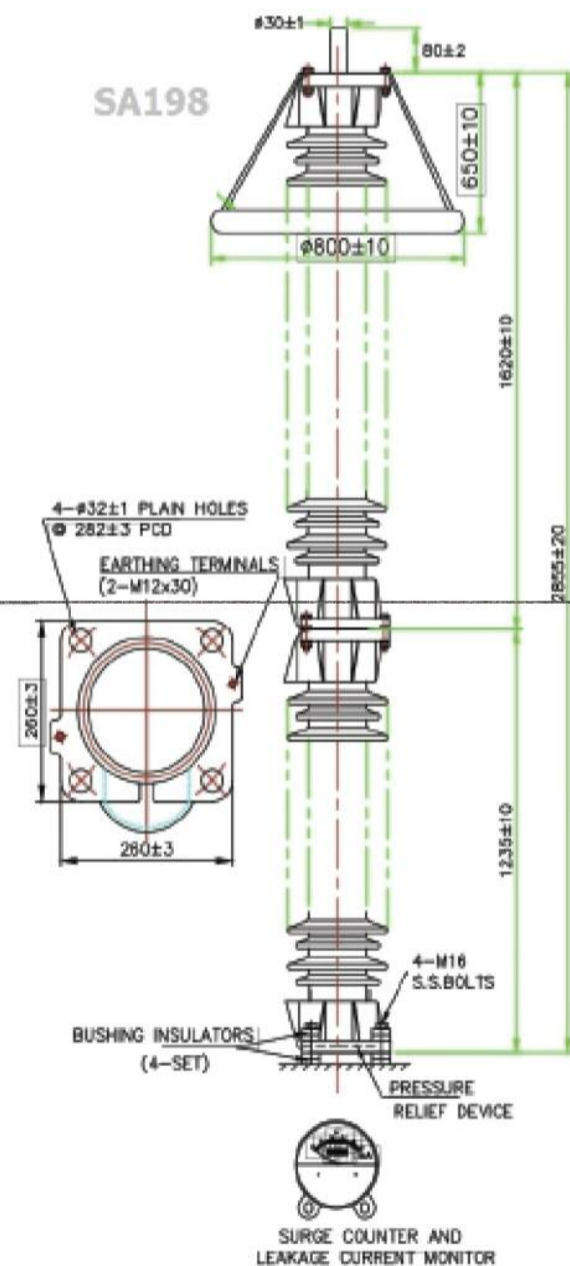
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Large number of 3444 new companies registered in February with SECP

Report by Engineering Post

The Securities and Exchange Commission of Pakistan (SECP), the competent form, had registered 3444 new companies in February 2026 which has raised the total number of registered companies to 287049 which duly reflected the continuation of the corporate sector in Pakistan which was a positive forward looking indication indeed.

Out of the newly registered companies, private limited companies accounted for 59 percent followed by single-member companies at 38 percent. The remaining 3 percent comprised public unlisted companies, not-for-profit

organizations, limited liability partnerships, and foreign companies.

Foreign investment remained robust with 82 newly incorporated companies receiving international shareholding. Quite expectedly, China emerged as the lead-

U.K. Australia, Afghanistan, Yemen and Indonesia in two companies each. Additional investment, during the period under report, also originated from Azerbaijan, Nigeria, Jordan, Canada, Sweden, Denmark, Philippines, Turkey, Portugal, Belgium.

According to the information available from SECP sources, the primary destinations for foreign investment in varying



ing source of investment with participation in 44 newly registered companies followed by the USA with investment in 77 companies while the investors from Palau and Germany participated in three companies each, Egypt,

figures were the mining and quarrying, trading, and information technology sectors which duly indicated sustained international interest in Pakistan's national resources, commercial markets and expanding digital economy.

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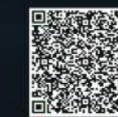
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Pakistan taking appropriate measures to strengthen digital transformation and cyber security framework

Report by Engineering Post

Pakistan continues to take appropriate measures and initiatives at the high levels to strengthen digital transformation and cyber security framework in order to keep pace with digitalization innovations taking place the world over.

According to the information available from the official resources in this regard, Pakistan already had passed the Digital Nation Pakistan Act 2025 the first time ever under which the federal government has established the Pakistan Digital Authority as well as the National Digital Commission. The National Digital Commission so constituted is to be chaired by the Prime Minister and also include all the four provincial chief ministers, federal cabinet members and regulatory bodies to ensure nationwide representation in the digital policy decisions.

The Pakistan Digital Authority has been assigned the important task of preparing a National Digital Master Plan which will be approved

by the National Digital Commission as and when finalized and submitted to it for approval.

The sources pointedly stated that all major digital decisions regarding digital transformation will be taken under the Prime Minister's leadership with relevant participation from the federal and provincial stakeholders at the appropriate levels.

As regards the National AI (Artificial Intelligence) Policy recently approved by the federal government, the sources described it as a groundbreaking and revolutionary policy which was



aligned with the national vision for a Digital Nation Pakistan and focuses on six pillars, including infrastructure, innovation, training, and secure and ethical deployment of the AI framework will address concerns such as misinformation, disinformation, children's' online safety and citizens' privacy.

Pakistan has also already approved the national cyber security framework which was designed to safeguard public sector digital infrastructure.



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Railways to outsource 9 passenger trains

Report by Engineering Post

Pakistan Railways was actively planning to outsource nine major and minor passenger trains running across the country as part of its concerted efforts to improve services and increase revenue generation.

According to the information available from the Railways sources, this initiative was expected to generate

around Rs 5 billion in annual revenue for the organization. The sources added that the trains will be outsourced in a transparent and open auction process.

Trains which will be outsourced included Awam Express, Hazara Express, Karachi E express, Millat Express, Karakoram Express, Bahauddin Zakariya Express, Ravi Express, Thal Express, and Faiz Ahmad Faiz Express.



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Debt Burden Swells by Rs1.4 Trillion amid Slower Revenue Growth

Pakistan's central government debt rose by over Rs1.4 trillion during the first seven months of the ongoing fiscal year (FY26), highlighting continued reliance on domestic borrowing to bridge the fiscal gap despite modest improvements in revenue collection.

Fresh data released by the State Bank of Pakistan (SBP) shows that total public debt

including both domestic and external liabilities reached Rs79.322 trillion by the end of January 2026. This marks an increase of Rs1.434 trillion, or 1.84 percent, compared to Rs77.888 trillion recorded at the close of June 2025.

The increase was primarily driven by a surge in long-term domestic borrowing. Domestic debt climbed by 2.7

percent during July-January FY26, rising to Rs55.978 trillion from Rs54.472 trillion. The government leaned heavily on local sources to finance its fiscal deficit, as revenue gains remained insufficient to match expenditures.

In contrast, external debt posted a marginal decline of Rs73 billion, falling to Rs23.344 trillion from

Rs23.417 trillion over the same period, offering slight relief on the foreign liabilities front.

Meanwhile, tax collection growth has slowed considerably. Federal Board of Revenue (FBR) receipts increased by 9.5 percent in the first half of FY26 well below last year's 26 percent growth and missed targets by Rs329 billion. This shortfall

underscores the need for stronger revenue mobilisation in the remaining months of the fiscal year.

Although lower policy rates helped contain interest payments and ease fiscal pressures, achieving the annual primary surplus target appears increasingly difficult, raising the likelihood of further borrowing if revenue targets remain unmet.

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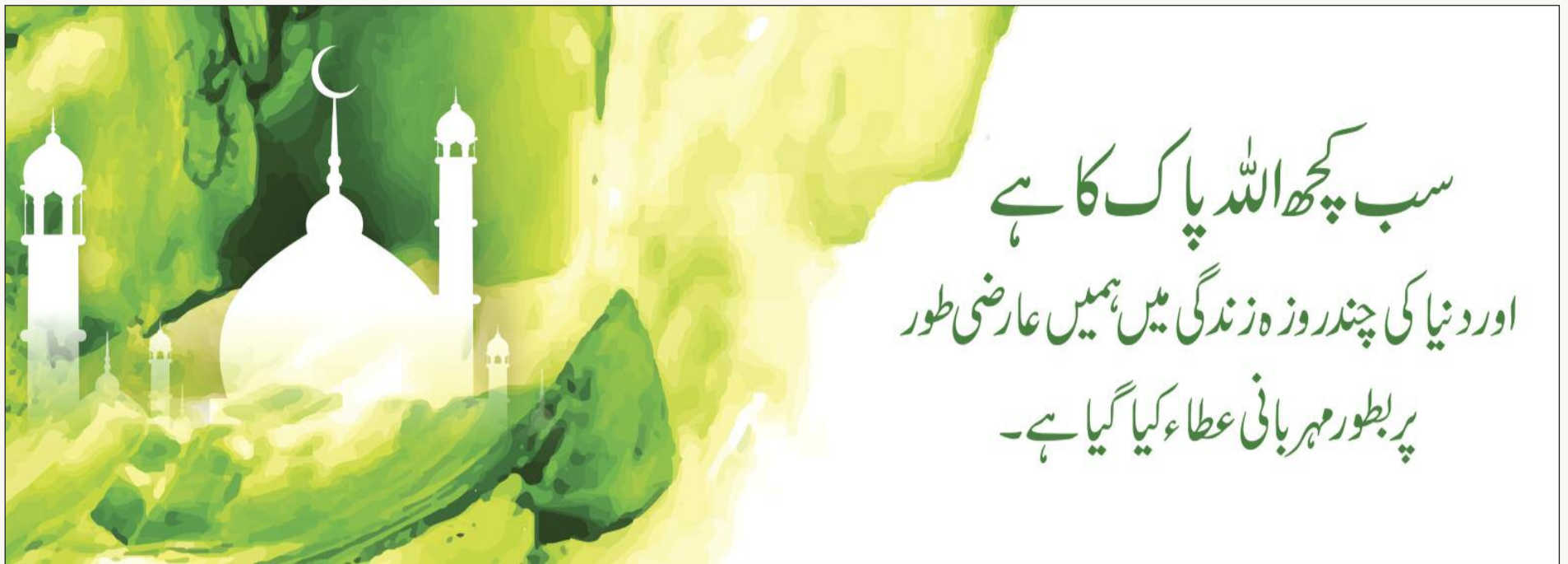
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Power Generation Surges 11pc as Fuel Cost Adjustment Proposed

Pakistan's power generation registered a significant increase of 11 per cent in February 2026, reaching 7,696 GWh compared to 6,945 GWh in the same month last year, reflecting a shift in the country's energy mix and operational dynamics.

The Central Power Purchasing Agency-Guaranteed (CPPA-G) has sought a positive Fuel Cost Adjustment (FCA) of Rs1.6406 per unit for February, aiming to recover nearly Rs12 billion from consumers through distribution companies and K-Electric. This marks a sharp

turnaround from a negative adjustment of Re0.2984 per unit in February 2025, indicating a substantial year-on-year financial impact.

A major development was the surge in power generation from imported coal, which jumped by 965 per cent to 1,150 GWh, accounting

for nearly 15 per cent of total output. Local coal-based generation also rose to 1,231 GWh. In contrast, hydel generation declined by 5.3 per cent, while RLNG and nuclear power generation dropped by 25.6 per cent and 21 per cent, respectively.

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The Slow Pace of 8 Projects by Industries and Production Division

Report by Engineering Post

The Federal Government's Industries and Production Division was in the process of implementing eight development projects located in different parts of the country in a phased manner and at a very slow pace..

A 132 KV Grid Station was being established at the Bin Qasim Industrial Park in Karachi at an estimated cost of Rs 1483.100 million

Hub Special Economic Zone (SEZ) was being established at an estimated cost of Rs 3008.200 million.

Industrial Designing & Automation Centers

were being established at Karachi, Lahore and Sialkot at an estimated cost of Rs 973.000 million.

The National Strategic Programme for Acquisition of Industrial Technology was being executed at an estimated cost of Rs 3206.900 million.

High Tensile Sheet Metal Dies Manufacturing and Titanium Costing Setup was in the process of being established at KTDMC Karachi at an estimated cost of Rs 400.000 million.

A Support Centre for Dental and Surgical Equipment was being established in Sialkot at a cost of Rs 720.400 million in a phased manner.

Acquisition of Land for Establishment of Small and Medium Enterprises (SMEs) facilitation centers in the provincial headquarters Lahore, Karachi, Peshawar and Quetta was in progress at an estimated cost of Rs 1250.000 million.

And, Product Development Centre for Composites Based Sports Good was being established in Sialkot at an estimated cost of Rs 529.800 million. Sialkot is world renowned for surgical and sports goods production.

Quite obviously all these projects were listed in the Public Sector Development Programme (PSDP) 2025-26. A look at the facts and figures in the PSDP document indicate that the funds allocated for these projects were either under-utilization, less than required and were suffering from cost and time escalation for varying reasons. For instance, project " Product Development Centre for Composites Based Sports Sialkot " was expected to be completed by end June 2026 after nine years. The project was approved by the Central Development Working Party (CDWP) in October 2017 for implementation at an estimated cost of Rs 529.770 million. In nine years period, Rs 438.153 million had been reportedly incurred on the implementation and throw forward of Rs 91.617 million has been provided in PSDP 2025-26 giving rise to hope that the project was going to be completed by end June 2026 after nine long years. All the above listed projects were also reported to be in the final stages of completion.

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Development projects approval process moving at a snail's pace

Report by Engineering Post

Development projects submitted by the Federal Ministries' and /Departments and Agencies for consideration and approval by the relevant highest forums of the Central Development Working Party (CDWP)

and the Executive Committee of the National Economic Council (ECNEC) in different sectors continue to be moving at snail's pace somehow.

Development projects considered and approved at the appropriate level of the CDWP/ECNEC are then listed and funded in the Public Sector Develop-

ment Programme (PSDP) paving the way for their implementation.

Current financial year was in its 9th month i.e. March 2026 when the Central Development Working Party considered and approved seven development projects worth Rs 15,174 billion and recommended another four projects worth

Rs Rs 108.16 billion billion and consideration and approval by the higher forum of Executive Committee of the National Economic Council.

Quite obviously, the projects approved in March 2026 will only possibly be funded and listed in the PSDP 2026-27 and paving the way for the min-

istries/agencies concerned for their implementation.

The process for consideration and approval of the development projects at the CDWP/ECNEC needs to be accelerated so that the pace of developmental activities could be quickened which is direly needed by the country to say the least, please.

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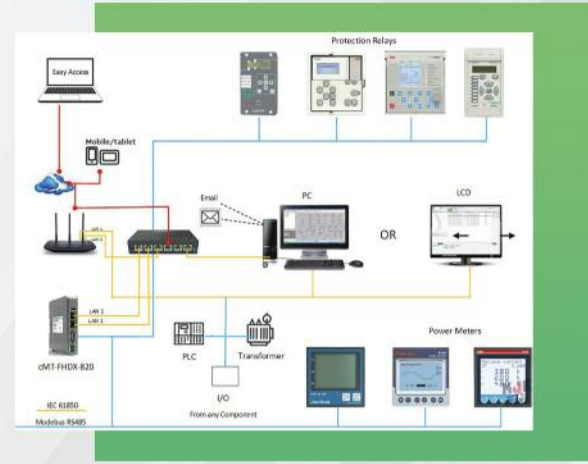
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Insights into Sustainable Transport and Communication Infrastructure

Report by
Engineering Post

Transport infrastructure is a key enabler for the development and economic prosperity of the country for achieving the targets envisaged in the National Economic Transformational Plan (Uraan Pakistan) and aligned with the Sustainable Development Goals (SDGs).

Geographically, Pakistan is centrally located in South Asia, sharing borders with China, India, Afghanistan, and Iran. Due to its strategic location in the region, Pakistan has been a key player in the One Belt One Road (OBOR) initiative spearheaded by China. One of the corridors of One Belt One Road is the China-Pakistan Economic Corridor (CPEC) which has been under implementation since 2014. In China-Pakistan Economic Corridor, a considerable amount of work and investment has been made in the Transport Infrastructure projects.

The Federal Government along with the provincial stakeholders, has been and continues to make efforts to invest in road, port, and rail connectivity throughout the country and working on various policies and plans to facilitate the transit trade, thus boosting the economy of the



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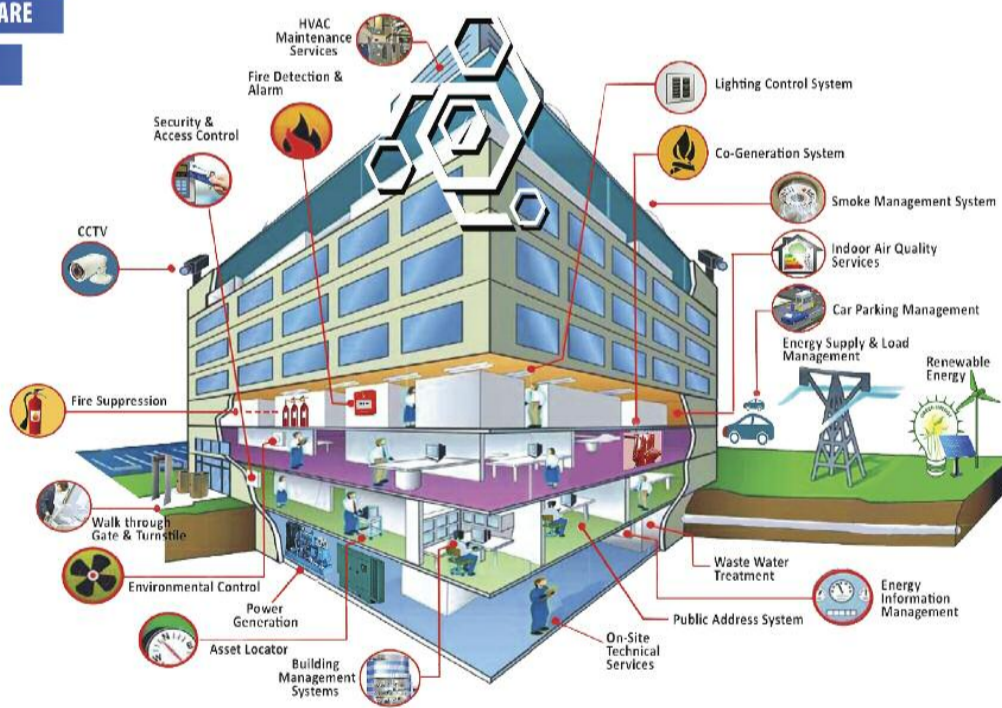
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country.

Pakistan was hit by flash floods in July 2022 and major roads and rail infrastructure across the country were damaged. With the assistance of the World Bank, Asian Development Bank and other donor agencies, major road rehabilitation in Sindh, Khyber Pakhtunkhwa and Balochistan were duly planned and were being implemented during financial year 2024-25 and were being continuously executed during financial year 2025-26 ensuring the rehabilitation works on priority basis.

In the infrastructure sector, the following projects were being executed on the priority list of the Federal Government and their progress was reviewed on a monthly basis by a steering committee headed by the Prime Minister.

Sukkur-Hyderabad Motorway (M-6), Dualization of N-25 Karachi to Chaman, Hoshab-Awaran and Awan all M.8, Karakoram Highway (KKH) Realignment of its sections has been necessitated due to subversion under Diamir Bhasha Dam.

A detailed view of Air Transport, Road Transport, Rail Transport, Maritime/Ports & Shipping sectors will be presented on these pages some other time, please.



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5G Era Begins in Pakistan

5G technology is being introduced in Pakistan, initiating the rollout with major telecommunication operators Jazz, Zong, and Ufone officially securing licenses and services in March 2026. The commercial launch followed a

spectrum auction that took place on March 10, 2026. Initial 5G services have been launched in major urban centers, including Islamabad, Rawalpindi, Lahore, Karachi, Peshawar, Quetta, Multan, and Faisalabad.

Jazz activated 5G services across approximately 180 sites, while Zong announced a launch in more than 16 cities, with plans to deploy and upgrade over 1,000 sites nationwide in 2026. The 5G spectrum auction concluded with 480 MHz auctioned for \$507 million. Zong (CMPak) was noted as the first to launch commercial services, while Ufone (including the merging Te-

lenor operations) secured the largest share in the 3,500 MHz band. Early 5G trials recorded speeds of over 1.4 Gbps, aimed at enhancing internet speeds and enabling smart industry, healthcare, and precision agriculture.. While the license is issued, approximately 85% of existing cell towers still operate on infrastructure that requires significant upgrades to fully support 5G. Many users, particularly those with iPhones, Pixels, and some Samsung devices, may face delays in 5G access due to pending carrier approvals. High rollout costs and the need for more 5G-enabled de-

services in the market are key challenges. Telecommunication Authority (PTA) has instructed operators to publish updated lists of 5G-covered Pakistan areas.

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