

PEL SINCE
1956



SINCE
1956



**PAK
ELEKTRON
LIMITED**

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Founded in 1956 in collaboration with AEG (Allgemeine Elektrizitäts-Gesellschaft), PEL became part of the Saigol Group in 1978, later going public in 1988. Having partnerships with global leaders like Pauwels, GANZ, General Electric, Fujitsu, and Hitachi, PEL became a pioneer in electrical manufacturing in Pakistan. Beyond home appliances, we provide essential power products such as transformers, switchgears, and energy meters to enhance your daily life and contribute to energy efficiency. PEL is dedicated to making a positive impact, whether in your home, lifestyle, or energy conservation.

Vision

To Excel in providing engineering goods & services through continuous improvement

Mission

To provide quality products & services to the complete satisfaction of our customers and maximize returns for all stakeholders through optimal use of resources.

To promote good governance, corporate values, and a safe working environment with a strong sense of social responsibility.

PEL Integrated Management System

PEL has an Integrated Management System(IMS) which is developed as per international standards on Quality, Health & Safety, Environment Management Systems, and manufacturing practices. The purpose of developing and implementing the IMS is to enhance customer satisfaction including stakeholders' expectations. We evaluate the performance of our IMS through independent third-party audits of ISO 9001, 14001 & 45001 at regular intervals. To maintain and improve product quality, PEL has also acquired accreditation for our Distribution transformers on ISO/IEC 17025.

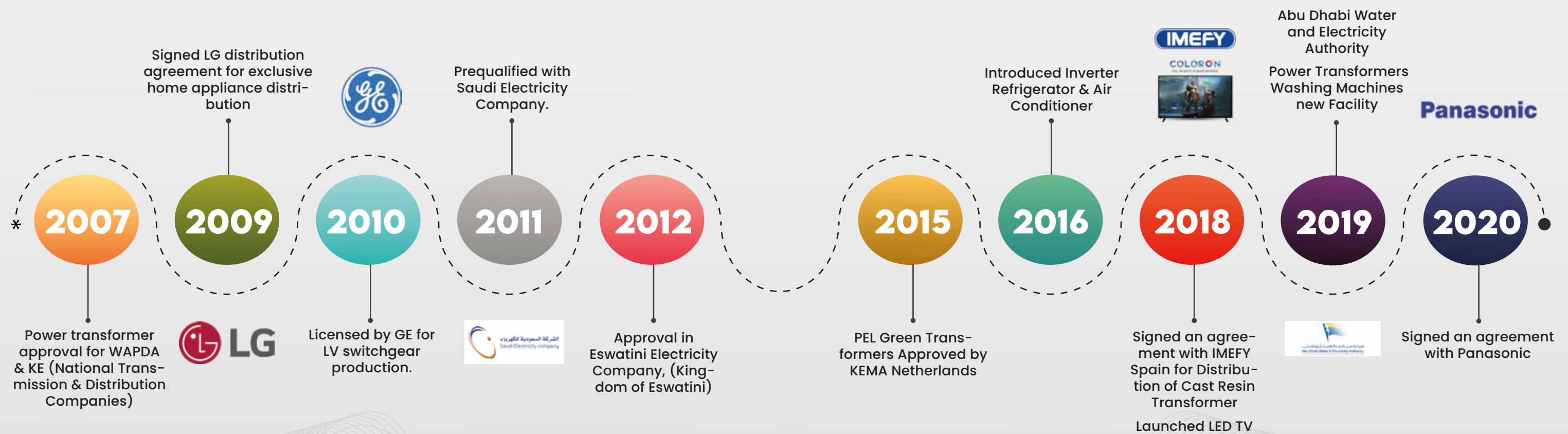
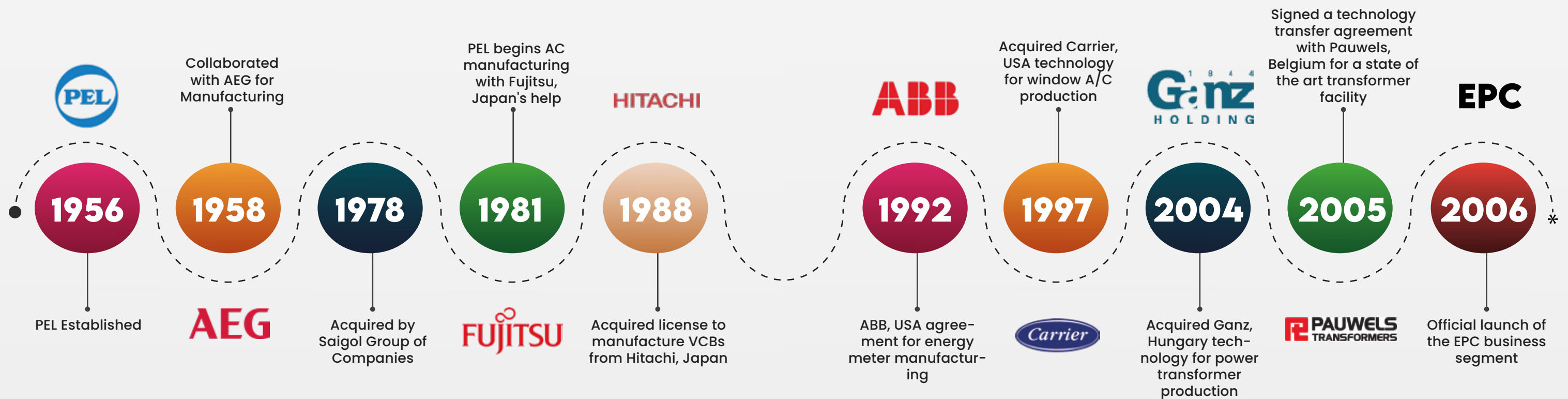
This accreditation is acquired from PNAC, endorsed by the Ministry of Science & Technology, while our Energy Meter is certified by PSQCA, further underlining our dedication to quality and compliance. This comprehensive approach guarantees that every facet of our operations is governed by internationally recognized quality measures, allowing us to deliver customers' requirements.



Corporate Social Responsibilities

PEL is not only focused on business endeavors but also upholds a strong commitment to the communities it serves and the wider society. Our dedication to various initiatives in this realm has earned us the prestigious Environment Excellence Award for 2008. This esteemed recognition, sponsored by the National Forum for Environment and Health (NFEH), United Nations Environment Program (UNEP), Ministry of Environment, Government of Pakistan, and the Federation of Pakistan Chambers of Commerce & Industry (FPCCI), stands as a testament to our efforts.

This award has set a benchmark for health, safety, and environmental standards in the industry and business landscape. It acknowledges organizations that prioritize social responsibility and environmental sustainability. We actively implement policies that promote sustainable development, striving to strike a balance between profitability and responsibility. This award serves as a testament to our commitment fostering a socially conscious and environmentally friendly approach within our operations.



POLE MOUNTED TRANSFORMERS



In our distribution transformer lineup, we offer oil immersed stacked core, dry type (VP impregnated), and autotransformers, all tailored to various ratings following IEC or national standards. These transformers support voltages up to 33 kV and ratings up to 10 MVA.

Our tanks come with corrugated walls, detachable radiators, and a tubular arrangement, enhancing cooling efficiency with expandable fins. Where required, we hermetically seal the tanks for safety. Additionally, we've embraced foil winding technology for space efficiency and size reduction, ensuring that our transformers meet sophisticated customer requirements.



Standard Features:

Capacities: 10, 15, 25, 37.5, 50, 75, 100, 167, 200, 250, 300, 400, 630kVA

HV Range: up-to to 36kV

BIL: Up to 210kV

LV Range: Up to 1000V

Compliance: Adheres to or surpasses current IEEE, NEMA, IEC, and applicable ANSI Standards

Construction: Mild steel tank equipped with welded lifting lugs and hanger brackets for direct-to-pole mounting

Secure Cover: Single-piece clamped cover band meets the retention criteria of relevant ANSI standards

Corrosion Protection: Electrostatically applied polyester powder paint system for superior corrosion resistance

Bushings: Porcelain

Terminals: Tin-plated bronze for connection to copper or aluminum

Grounding: Low-voltage and tank ground provisions included

Wildlife Protection: Insulated cover provided

Identification: Laser-engraved aluminum nameplate for easy identification

Oil: Non-PCB insulating oil used

Visibility: kVA rating displayed on the tank wall

Mounting: Arrester mounting nuts welded to tank

Bushing Configuration: One HV bushing with tank ground strap for grounded wye applications or two HV bushings for wye applications

Design: Recessed tank bottom for added safety

Customization: Wide range of design efficiencies available to meet specific customer needs and comply with new DOE minimum requirements.

Customized Features:

- Automatic Pressure Relief Valve
- High-voltage taps featuring an external tank-mounted no-load tap changer
- Dual high-voltage ratings (not compatible with taps)
- Grounding connectors
- Custom stencils and labels tailored to customer specifications
- External tank-mounted high-voltage lightning arrester
- Low-voltage circuit breaker equipped with reset functionality (optional overload signal light available)
- Internal high-voltage expulsion fuse
- Under-oil arrester for added protection
- External low-voltage surge arrester
- Interlaced secondary windings available (up to 50 kVA ratings)
- Single bushing designs with a double hanger bracket configuration (up to 50 kVA)
- Construction using stainless steel for tank, cover, and clamping band

- Additional creep options provided for high-voltage bushings
- Diverse range of features for wildlife protection

Testing Protocols:

All transformers undergo rigorous testing adhering to the most recent revisions of relevant IEC, IEEE, ANSI, and NEMA standards. Detailed test reports are accessible by the transformer's serial number.

Routine tests include:

Routine / Type Testing includes:

- Leak testing
- Verification of polarity and Vector Group
- Voltage Ratio Test
- Measurement of Winding Resistance
- Measurement of no-load losses and excitation current
- Measurement of load losses and impedance
- Power Frequency Test
- Induced Voltage Test
- Capacitance and Dissipation factor
- Impulse Test
- Temperature Rise Test

Oil Tests

- Oil Break Down Voltage Test
- Oil Tan Delta Test & Resistivity
- Moisture Content Test
- Viscosity Test
- Flash Point Test
- Interfacial Tension Test
- Pour Point Test
- Dissolved Gas Analysis



PAD MOUNTED TRANSFORMERS

PEL specializes in crafting an extensive range of single-phase pad-mounted distribution transformers tailored for contemporary underground residential applications. These transformers are meticulously designed to provide the essential features, performance, and aesthetics required for modern setups.

Our manufacturing process integrates state-of-the-art technology, ensuring top-notch design and production systems. Supported by our ISO-9001 certified processes and stringent quality assurance programs, we guarantee excellence at every stage.

Standard Features:

Capacities: 10, 15, 25, 37.5, 50, 75, 100, 167 kVA

HV Range: 3.3kV to 36kV

BIL: Up to 210kV

Low Voltage: Up to 1000V

Compliance: Adheres to or surpasses current IEEE, NEMA, IEC and applicable ANSI Standards

Key Features:

- Crowned tank top to prevent water retention
- Removable 180° flip-top hood with stainless steel hinge pins
- Externally clamped high-voltage bushing wells for loop or radial feed
- Externally clamped low-voltage threaded stud bushings
- Automatic relief device for internal pressures
- Penta-head security bolt with padlock provision (Hexa-head bolt available)
- Externally clamped low-voltage bushings
- Tank ground provisions
- Laser engraved aluminum nameplate
- Oil fill/level top plug and bottom drain plug
- Recessed tank bottom
- Electrostatically applied polyester powder paint system with urethane top coat for corrosion protection
- Removable sill



- Broad selection of design efficiencies to meet specific customer applications and DOE minimum requirements

Optional Features:

- High-voltage no-load tap changer
- Dual high-voltage ratings
- Complete stainless steel tank and cabinet or a combination of mild steel and stainless steel components
- High-voltage, load-break 2 positions or sectionalizing switch
- Multiple fusing options and combinations, including internal and external expulsion fuse in series with isolation link or partial range current limiting fuse
- Low-voltage circuit breaker
- Under oil arrester
- Drain valve with sampling device
- Hold-down cleats
- Connectors for ground pads
- Stencils and labels as per customer needs

Testing Protocols:

All transformers undergo rigorous testing adhering to the most recent revisions of relevant IEEE, NEMA, IEC and applicable ANSI Standards. Detailed test reports are accessible by the transformer's serial number.

Routine / Type Testing include:

- Leak testing
- Oil Break Down Voltage Test
- Verification of polarity and Vector Group
- Oil Tan Delta Test & Resistivity
- Voltage Ratio Test
- Moisture Content Test
- Measurement of Winding Resistance
- Viscosity Test
- Measurement of no-load losses and excitation current
- Flash Point Test
- Measurement of load losses and impedance

- Interfacial Tension Test
- Power Frequency Test
- Pour Point Test
- Induced Voltage Test
- Dissolved Gas Analysis
- Capacitance and Dissipation factor
- Impulse Test
- Temperature Rise Test

Oil Tests

- Oil Break Down Voltage Test
- Oil Tan Delta Test & Resistivity
- Moisture Content Test
- Viscosity Test
- Flash Point Test
- Interfacial Tension Test
- Pour Point Test
- Dissolved Gas Analysis



GROUND MOUNTED TRANSFORMERS & PACKAGE SUBSTATIONS

The key components of this unit encompass medium voltage switchgear configured as a Ring Main Unit (comprising 2-TP disconnect switches and 1-fused T-off), alongside a transformer, LV Switchgear, control gear, corresponding interconnections, and auxiliary equipment. Constructed from 2-3 mm sheet steel, the enclosure is tailored for outdoor use, and perfectly suited for installation on a concrete pad.

Our design includes door interlocks and other safety features, ensuring inherent safety. These compact substations are utilized in distribution centers and industrial installations that employ underground cabling for their operations.

Standard Features:

Capacity: 1000, 1250, 1500, 2000, 2500, 3000, 3500, 4000, 5000, 7500, 10,000kVA HV

HV Range: 3.3kV to 36kV

BIL: Up to 210kV

Low Voltage: Up to 1000V

Compliance: Adheres to or surpasses current IEEE, NEMA, IEC and applicable ANSI Standards

Key Features:

- Crowned tank top to prevent water retention
- Doors with different locks
- Cooling ONAN and KNAN
- Externally clamped high-voltage bushing wells for loop or radial feed
- Externally clamped low-voltage threaded stud bushings
- Automatic relief device for internal pressures
- Penta-head security bolt with padlock provision (Hexa head bolt available)
- Externally clamped low-voltage bushings
- Tank ground provisions
- Laser engraved aluminum nameplate
- Oil fill/level top plug and bottom drain plug
- Recessed tank bottom
- Electrostatically applied polyester powder paint system with urethane top coat for corrosion protection



- Removable sill
- Broad selection of design efficiencies to meet specific customer applications and DOE minimum requirements
- Security stickers

Optional Features:

- High-voltage no-load tap changer
- Dual high-voltage ratings
- Complete stainless steel tank and cabinet or a combination of mild steel and stainless steel components
- High-voltage, load-break 2 positions or sectionalizing switch
- Multiple fusing options and combinations, including internal and external expulsion fuse in series with isolation link or partial range current limiting fuse
- Low-voltage circuit breaker
- Under oil arrester
- Drain valve with sampling device
- Hold-down cleats
- Connectors for ground pads
- Stencils and labels as per customer needs

Testing Protocols:

All transformers undergo rigorous testing adhering to the most recent revisions of relevant IEEE, NEMA, IEC and applicable ANSI Standards. Detailed test reports are accessible by the transformer's serial number.

Routine / Type Testing include:

- Leak testing
- Verification of polarity and phase relation
- Measurement of resistance
- Evaluation of no-load losses Excitation current
- Assessment of load losses and impedance
- Testing under applied voltage
- Examination of induced voltage
- Full wave impulse testing
- Ratio testing



PEL GREEN TRANSFORMERS

For the first time in Pakistan, PEL has successfully launched Green Transformers, which use biodegradable fluid instead of conventional mineral oil. The new Green Transformers feature a reduced carbon footprint with increased efficiency and lower line losses.

PEL's Green Transformers have been approved by KEMA-Netherlands and have successfully completed their 5 seconds continuous short-circuit test. At PEL, we always believe in developing technologies that are environmentally friendly and also meet international standards of efficiency and quality.

THE ONLY PAKISTANI COMPANY
TO SUCCESSFULLY PASS
5 SECONDS CONTINUOUS
SHORT CIRCUIT TEST

MR. ZEID SAIGOL
DIRECTOR OPERATIONS
PEL POWER PRODUCTS

“

There is a developing trend towards environmentally friendly technologies in all industries. At PEL, we continue to develop technology that is not just clean but equally or more efficient than its counterparts. PEL's Green Transformer is just one of the many innovative solutions designed to help our customers meet their sustainability targets.

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DRY TYPE TRANSFORMER

Keeping in view the increasing demand for dry-type transformers, PEL and IMEFY, Spain have joined hands together to fulfill the need for Cast resin-type transformers. PEL-IMEFY can supply transformers up to 36kV & 5MVA rating. PEL-IMEFY is offering CRT with both Aluminium and Copper windings, as per the requirement of the customer. Dry-type transformers are supplied with enclosures. The degree of protection of the transformer is determined by the site conditions or as required by the client.

Advantages of Dry Type Transformers:

Enhanced Safety: Eliminates risks of fluid spills, explosions, or fires. Insulation doesn't support combustion, making them safe for various installations.

Reduced Line Losses: Minimizes losses by shortening low-voltage lines.

Increased Reserve Capacity: Offers up to 20% more capacity for unplanned expansions.

Improved Reliability: Comparable failure rates to fluid-filled units, with easy on-site inspections.

Minimal Maintenance: Requires only annual inspections and dust cleaning, reducing running costs.

Cost-Effective Cabling: Fewer fire safety requirements lead to lower cabling costs.

Humidity Resistance: Resin insulation makes them suitable for various environments.

Environmentally Friendly: No liquids or toxic gases, easily recyclable.

Harmonic Loading Capability: Handles heavy loads without increasing size.



POWER TRANSFORMERS



PEL extends its impact globally, exporting Power Transformers tailored to meet international customer specifications. Our transformers are equipped with top-quality accessories—OLTC from MR (Germany), High Voltage Bushing from PASSONI & VILLA (Italy), Buchholz Relay from EMB (Germany), insulation material from WEIDMANN (Switzerland), silicon steel from THYSSEN (Germany), and cooling fans from SCHORMANN (Germany).

Featuring windings of 99.99% pure electrolytic copper, multiple conductors, and CTC in winding, our transformers boast magnetic cores made from cold-rolled grain-oriented (CRGO) steel sheets. With a robust clamping structure, advanced jointing techniques, and precise cutting and mitering of lamination, we ensure minimal load losses. The core limbs and yokes are securely clamped by glass-epoxy bands, showcasing our commitment to global standards and excellence

Standard Features:

Capacities: 10, 15, 20, 25, 31.5, 37.5, 40, 50, 63, 75, 100 MVA

HV Range: Up to 145kV

BIL: Up to 650 kV

Low Voltage: Any voltage less than 132kV

Cooling type: ONAN/ONAF, KNAN/KNAF

Compliance: Adheres to or surpasses current IEEE, NEMA, IEC and applicable ANSI Standards

Construction: Mild steel tank equipped with welded lifting lugs and hangers

Corrosion Protection: Liquid epoxy and polyurethane paint coatings for superior corrosion resistance

High-Voltage Bushings: Porcelain/composite

Low-Voltage Bushings: Porcelain

Terminals: Tin-plated bronze for connection to copper or aluminium.

Grounding: Low-voltage and tank ground provisions included

Identification: Laser engraved aluminum nameplate for easy identification. All accessories marked with SS plates.

Oil: Non-PCB insulating oil used

Visibility: SS Rating plate with all necessary information, Valve location plates and control cabinets installed on easy access at tank wall.

Mounting: Arrester mounting nuts welded to tank

Bushing Configuration: HV on top plate on turrets and MV on cover or on Side walls.

Design: HV on a top plate on turrets and MV on cover or on Side walls.

Customization: Wide range of design efficiencies and Surge protection provisions available to meet specific customer needs and comply with new DOE minimum requirements.



Customized Features:

- Automatic Pressure Relief Valve
- High-voltage taps featuring an external tank mounted no-load tap changer
- Dual high-voltage ratings (not compatible with taps)
- Grounding connectors
- Custom stencils and labels tailored to customer specifications
- External tank-mounted high-voltage lightning arrester
- Low-voltage circuit breaker equipped with reset functionality (optional over-load signal light available)
- Internal high-voltage expulsion fuse
- Under-oil arrester for added protection
- External low-voltage/High Voltage surge arrester
- Interlaced secondary windings available (up to 50 kVA ratings)
- Construction using stainless steel for tank, cover, and clamping band
- Additional creep options provided for high-voltage bushings
- Diverse range of features for wildlife protection

Testing Protocols:

All transformers undergo rigorous testing adhering to the most recent revisions of

relevant IEEE, NEMA, IEC and applicable ANSI Standards. Detailed test reports are accessible by the transformer's serial number.

Routine / Type Testing include:

- Voltage ratio and phase displacement check
- No-load loss and current measurement
- Short-circuit impedance and load loss
- Temperature-rise and winding hot spot
- Lightning and switching impulse tests
- Power frequency withstand voltage test
- Induced overvoltage test with partial discharge
- Sound level determination for each cooling method
- Zero-sequence impedance measurement
- On-load tap-changer operation test
- Leak testing for liquid-immersed transformers
- Capacitance measurement between windings
- DC insulation resistance measurement
- Dissipation factor ($\tan \delta$) measurement
- Dissolved gas analysis in dielectric liquid
- Sweep frequency response analysis
- Dielectric frequency response analysis
- Core and frame insulation check



SWITCHGEAR

At PEL, we cater to the distinct requirements of both medium voltage (MV) and low voltage (LV) switchgear assemblies. For MV switchgear, we understand the diverse needs of businesses and organizations, offering a comprehensive range of solutions tailored precisely to meet these specific demands.

Our technologically advanced switchgear department, driven by a proficient team of qualified engineers, ensures the delivery of safe, reliable, and high-quality equipment. These solutions find application across various sectors such as infrastructure, utilities, grid stations, and substations.

On the other hand, our LV switchgear division stands as a testament to our pioneering status in switchgear manufacturing within Pakistan. Specializing in custom LV panels, our focus remains on creating robust solutions for monitoring, controlling, and safeguarding low-voltage distribution systems. Our LV switchgear range caters Ingress protection class up to IP54/55 with an internal form of segregation of Form1, Form 2 a/b, 3 a/b & 4 a/b. With an unwavering commitment to safety, reliability, and quality, our LV products serve as the preferred choice for infrastructure, commercial, utility, and industrial clients. Both our MV and LV departments benefit from well-organized structures supported by a dedicated team of engineers, ensuring that every product aligns with our stringent quality and safety standards.

Medium Voltage Products:

- Up to 36kV, 50kA, 4000A
- Synchronizing Panels
- Auto Changeover Panels
- Transformer Protection Panels
- Kiosk Type Substations
- Package Substations
- Pad Mounted Transformers
- Ring Main Units
- Incoming Panel
- Bus Coupler Panel
- Outgoing Panel
- Capacitor Control Panel
- Consumer Panel
- Industrial (Metering) Panel

Adherence to Standards:

- International Standards: IEC, IEEE, ANSI

Certifications:

- ISO 9001:2015
- ISO 14001:2015
- ISO 45001:2018

IEC Standards:

- IEC 62271-1
- IEC 62271-100
- IEC 62271-200
- IEC 61439-1 & 2 (low voltage)

LV Products:

- LV Power Panel up to 6300A
- Power Factor Correction Panel with harmonic filters
- Relay and control panels for 132/220/500kV grid stations
- Lighting & Power Distribution Boards
- Local (Remote) Switch Box
- Control Desk
- LV Service Box
- Meter Security Box
- Street Light Control Panel
- DCS Panel
- Bus Tie Duct up-to 6300A
- Generator Control Panel
- PFI Panel
- LV DBs & MCC



GENERATOR CONTROL PANELS

- Generators Synchronization
- Generators and Utility parallel system
- ATS/AMF Panel and ATS with MOR Option



POWER FACTOR IMPROVEMENT PANELS

- Automatic & Manual Power Factor control and improvement with harmonic filters
- Monitoring and metering facilities
- Remote control Panels



MOTOR CONTROL CENTER (MCC)

- Fixed/Withdraw-able MCC Panels.
- Soft Starter/VFD Panel
- Reverse Forward Starters
- DOL & ASD



TRANSFORMER CONTROL PANELS

- Power Transformer Auxiliary Control Panels.
- Power Transformer Outdoor Control Panels.



LV DISTRIBUTION BOARDS

- Street Light control Panels
- AC/DC Auxiliary Supply Panels
- BUS TIE DUCT
- Relay & control Panels for 132/220/500kV grid stations

INSTRUMENT TRANSFORMERS

PEL is proud of its position as a leading Current Transformer and Potential Transformer manufacturer in Pakistan since 1978. The Instrument Transformer Section (ITR) was initially established to fulfill the requirement of the Switch Gear Department within the factory.

With the increase in demand for ITRs, PEL also increased its capacity. As part of our business DNA, we are very Customer oriented. With our custom-designed Current Transformer and Potential Transformer, we have built the desirable reputation of providing durable, well designed, cost-optimized and short lead time Instrument transformers and associated products.



Our Products:

- High Voltage Current Transformers up to 15 kV to 33kV & 3000 A
- Low Voltage Current Transformers up to 600 V & 6300 A
- Single Phase Potential Transformers up to 15 kV
- Double Pole Potential Transformers up to 15 kV
- Control Transformers
- Cast Resin Products
- Ring Type Bushing Current Transformers for Power Transformers

ENERGY METERS

Automatic Meter Reading (AMR) technology facilitates the automatic collection of consumption and status data from energy metering devices. This data is seamlessly transferred to a centralized database, serving purposes like billing, troubleshooting, and analysis. AMR offers real-time and pre-programmed interval consumption data, avoiding estimations based on past or projected usage. This timely information, when coupled with in-depth analysis, empowers both utility providers and consumers to effectively manage and optimize electric energy consumption.



Digital 1-Phase energy meter

PEL's AMR Technology:

- **Technology Base:** RF and GSM/GPRS technologies utilized
- **Meter Variants:** Single Phase, Three Phase, LT/HT meters
- **AMR Server:** Collects data from AMR meters for analysis and billing purposes
- **User-Friendly Interface:** AMR software designed for easy understanding by utility staff
- **Compliance:** Meters align with DLMS/COSEM protocol standards
- **In-House Development:** PEL's advanced in-house facility for research, development, and production of AMR Enabled Meters
- **Continuous Innovation:** Engineers continuously enhancing AMR-based energy meter development

PEL's AMR-enabled meters, using RF and GSM/GPRS technologies, encompass a range from Single Phase to LT/HT meters. The AMR Server efficiently gathers data for analysis and billing, while the software interface ensures user-friendliness for utility personnel. These meters adhere to DLMS/COSEM protocol standards, indicating their compliance and interoperability. PEL's commitment to continuous improvement is evident through its in-house facility dedicated to research, development, and production of AMR-based energy meters, where engineers consistently innovate and enhance the technology.



Digital 3-Phase energy meter



CIU for Pre-paid Meters



AMR 3-Phase energy meter



AMR 1-Phase energy meter



Prepaid 1-Phase energy meter With AMR Fncion



Prepaid 3-Phase energy meter With AMR Function

ENGINEERING SERVICES

PEL has advanced engineering services that uses state-of-the-art electronic equipment operated by highly skilled and experienced engineers to provide utility and industrial customers with a fast, non invasive health check of the electrical equipment. The services department of PEL brings together the ability, skills and associated product knowledge to provide a comprehensive range of services. These services provide the best possible solutions for you and allow you to have the peace of mind in the knowledge that your electrical power and distribution assets are being effectively working.

Our Services Include:

- Diagnostic and assessment services
- Preventive and corrective maintenance
- Remanufacturing services
- Installation and commissioning services
- Engineering Consultancy and services
- Customer Training
- Other services (Factory Based HV Test)

CERTIFICATIONS

Oil-immersed transformers from PEL: Systematic quality

Oil-immersed transformers from PEL are manufactured in accordance with our quality management system – certified to ISO 9001. Compliance with important standards, from IEC, NEMA and IEEE, is a matter of course, just as much as the exclusive use of high-quality materials. Qualified employees implement the demanding standards in daily practice.

So, quality is the logical result of a universal philosophy.

State-of-the-art technology – tested and documented

Besides the routine tests for all transformers, we perform the type and special tests on request.

For PEL, however, quality assurance is even more important. We support you in every aspect of equipment operations and monitoring. Due to continuous advancement in transformer technology through the knowledge gained from daily operations, we offer you a continuous exchange of information/experience for mutual benefits.



ISO CERTIFICATE



ISO 17025 CERTIFICATE



KEMA CERTIFICATE

INTERNATIONAL PRESENCE

PEL exports to customers and see potential in following countries and has continued focus on expanding presence in international market:

- | | | | |
|----------------|-----------------|----------------|----------------|
| • Afghanistan | • Cote d' Ivory | • Libya | • South Africa |
| • Algeria | • Egypt | • Macedonia | • South Sudan |
| • Bahrain | • Germany | • Malaysia | • Eswatini |
| • Benin | • Ghana | • Mozambique | • Tajikistan |
| • Botswana | • Greece | • Namibia | • Tanzania |
| • Bulgaria | • Guinea | • Nigeria | • Togo |
| • Burkina Faso | • Iraq | • Oman | • UAE |
| • Burundi | • Jordan | • Qatar | • USA |
| • Canada | • Kenya | • Rwanda | • Uzbekistan |
| • Congo | • Kuwait | • Saudi Arabia | • Yemen |



**Believe and
act as if it were
impossible to fail.**

-Charles F. Kettering

accountability and commitment to contributing to the well-being of communities through various environmental and social measures. PEL keeps on advocating and raising awareness for socially important causes in an effective way by donating and providing the appliances/power products to multiple organizations to create good value and to add something good to society.

The inspiration to serve humanity was the main driving force behind the inception of LABARD, established in 1999. The small endeavor has nurtured into a sizeable organization, helping thousands of people in overcoming the despondency to adopt the optimistic approach towards life by helping the disabled physically, financially, and mentally through free courses. PEL has always been a socially responsible employer and has created thousands of helping stories. PEL has provided transformer (200KVA) at LABARD-Lahore Businessmen Association for Rehabilitation of the Disabled for managing their electricity load of heavy machinery utilized for creating multiple skills among people. These initiatives taken by PEL reflect their passion to serve mankind which always bears fruit.

**“ Goodness is
the only
investment
that never
fails**

– Henry David

Be the Change you want to see in the world

PEL is a socially responsible employer and is always making efforts to give back to society. In continuation to our CSR Initiatives, PEL Management donated students chairs to Worker Welfare Girls Higher Secondary School where students had no proper furniture to sit and study with concentration.

Pel focuses on the betterment of next generation by seeking out its objectives which are focused on the triple bottom line: people, planet and revenue. By this initiative PEL will add value to the education system by providing comfortable learning environment to students who are there to seek good quality schooling with high level of motivation.

Pel also got an opportunity to spread happiness by helping the students to learn in an efficient way.

