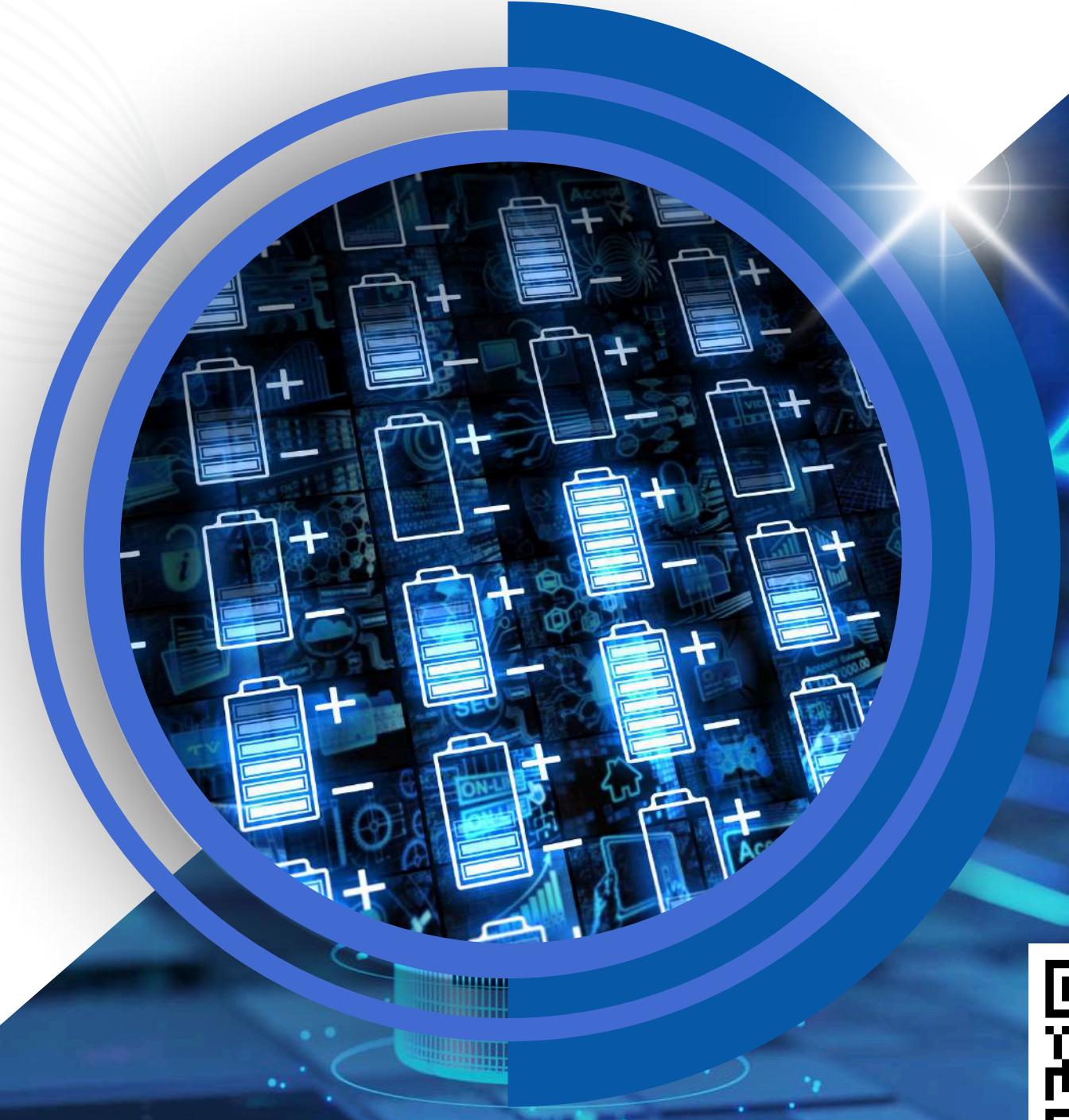




POWERTRONICS
TECHNICAL SERVICES

COMPANY PROFILE

www.powertronicsts.com





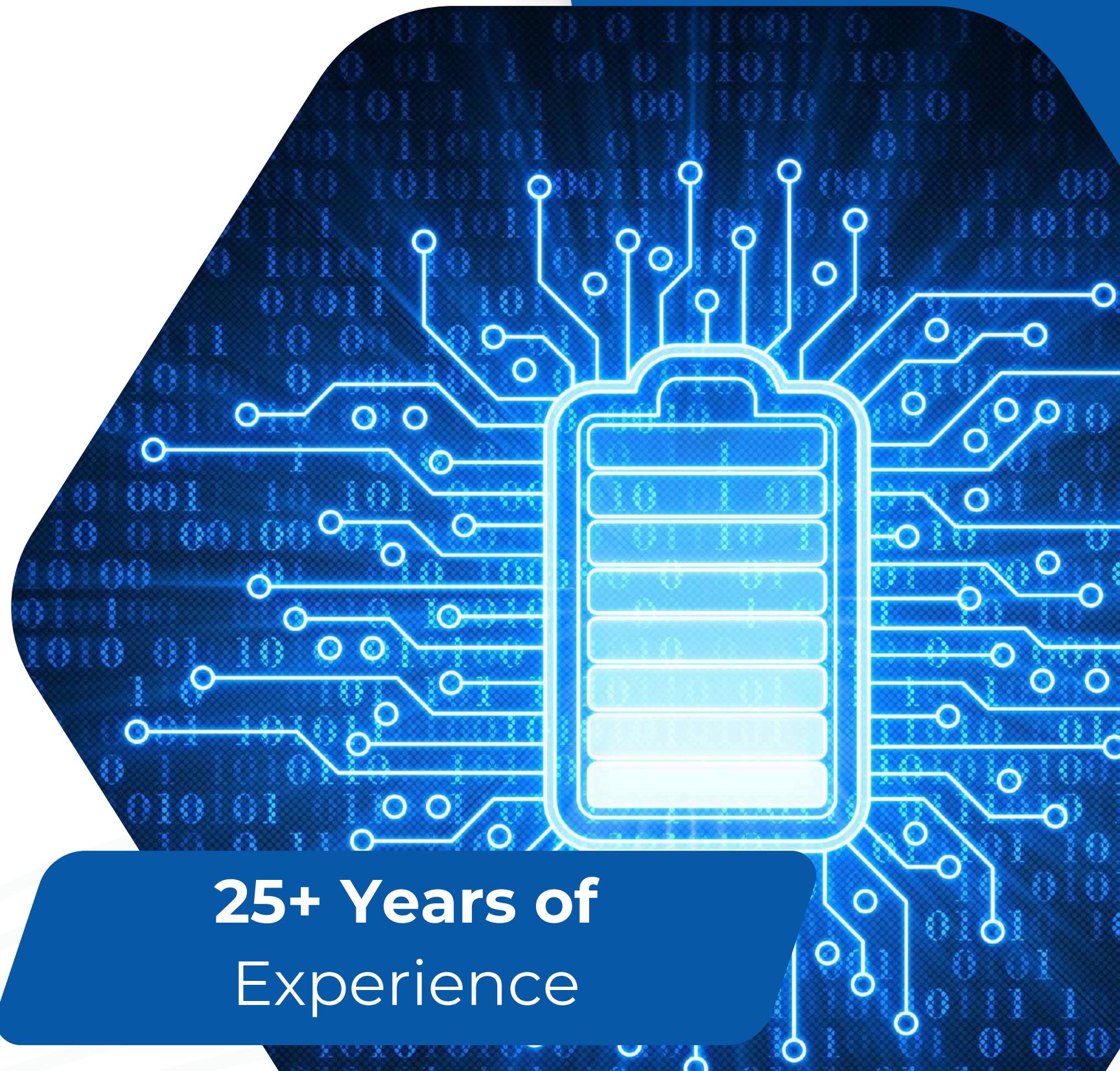
WHO WE ARE

POWERTRONICS TECHNICAL SERVICES

Powertronics Technical Services (PTS) was founded by a team of expert engineers with over 25+ years of proven expertise in power electronics. We specialize in delivering advanced, professional technical services for mission-critical power electronic equipment.

Our service portfolio includes the supply of new systems, installation, testing and commissioning, preventive and corrective maintenance, troubleshooting, retrofit and refurbishment, battery replacement and testing, training, and 24/7 support.

We provide reliable solutions for a wide range of systems, including UPS systems, battery chargers, inverters, telecom rectifiers, and various types of batteries such as Lead Acid, Lithium Iron, and Ni-Cd. We proudly support clients across the Middle East.



**25+ Years of
Experience**



OUR CORE VALUES

At Powertronics Technical Services, our operations are driven by core values that define our identity and approach—integrity, honesty, perseverance, pride, excellence, professional service, customer focus, safety, environmental responsibility, innovation, and reliability. These principles guide every aspect of our work, ensuring consistent service quality, lasting client relationships, and adherence to the highest industry standards.

Our Vision

To be the trusted leader in power electronics services, delivering excellence and customer value.

Our Mission

Deliver expert, timely service for power systems through innovation, skill, and client commitment.

Our Goals

Achieve service excellence, expand reach, ensure safety, support sustainability, and build trust.

OUR PRESENCE

Powertronics operates across the **MEA** (Middle East and African) regions, with its headquarters in Dubai, UAE. The company maintains a strong presence across all GCC countries and representatives throughout the wider MEA region.

█ United Arab Emirates

█ Oman

█ India

█ Qatar

█ Kuwait

█ Jordan

█ Saudi Arabia

█ Bahrain

█ All MEA Region





Why You Should Choose Us?



Experienced Engineers:

Over 25+ years of industry experience ensuring expert handling of all power electronics needs.



24/7 Support:

Remote monitoring, 24/7 technical support, On-site service by technicians, Battery replacement we cover it all.



Comprehensive Services:

From Installation, Preventive maintenance, Emergency repairs, Replacement parts or entire units.



Quality & Safety:

Strict adherence to industry standards guarantees safe, high-quality, and durable solutions.



Major Brands We Are Servicing



POWERTRONICS
TECHNICAL SERVICES





CLIENT REFERENCE

- e& UAE
- Etisalat Facility Management
- Emaar
- Keolis MHI-Dubai Metro
- Marriot Hotel, Abudhabi
- Ritz Carlton Hotel, Abu Dhabi
- Union Copper Rod
- AG Facilities Solution
- AG Engineering
- Union Cement
- Leighton Offshore Pte LTD.
- Ocean Oilfield Drilling Rigs and Marine Engineering Services FZE
- Le Meridien Hotels
- Park Hyatt Abu Dhabi Hotel
- Wyndham Residences The Palm
- Al Masraf Bank
- Pullman Hotels and Resorts
- Medcare Royal Speciality Hospital
- Ibis Styles Dragon Mart Hotel
- Dulsco LLC
- Mercure Hotel Suites and Apartments FZ
- Sofitel Hotel, Dubai
- Jebel Ali Cement Factory.
- Cure Hospital, Abu Dhabi
- Jindal Steel Plant, Sohar, Oman



OUR SERVICES



POWERTRONICS
TECHNICAL SERVICES

- **Supply of UPS systems – AC and DC types**
- **Supply of AC & DC Load Banks**
- **Installation, Testing & Commissioning of UPS, Battery Charger & Inverter Systems**
- **UPS & Battery Charger Repair & Replacement Services**
- **UPS & Battery Charger Maintenance services**
- **UPS, Battery Charger & Inverter Refurbishment and Retrofit**
- **Battery Supply, Installation, Maintenance & Replacement- Lead Acid, Ni Cd & Lithium Iron**
- **Battery Discharge Test with DC Load Bank**
- **Battery Impedance Testing**
- **Thermography Testing**
- **DC & AC Load Bank Rental services**
- **UPS & Battery Charger Rental services**
- **On-Call / On-Site Support Services & Product Training Services**





SUPPLY OF UPS SYSTEMS

We provide reliable and high-performance UPS Systems designed to protect your critical infrastructure from power disturbances such as outages, voltage fluctuations, spikes, and surges. Our solutions ensure continuous, clean, and stable power, helping businesses avoid downtime, data loss, and equipment damage.

WE OFFER A WIDE RANGE OF AC AND DC UPS SYSTEMS, INCLUDING:

- Single-phase and Three-phase UPS
- Online Double Conversion UPS for mission-critical applications
- Line-interactive and Standby UPS for basic protection
- Modular & Scalable UPS to grow with your power demands
- DC UPS Systems for telecom, utilities, and industrial control systems

All systems are available in multiple kVA ratings to suit small offices, data centers, industrial facilities, hospitals, oil & gas operations, and more.



Supply of load banks (AC and DC types)

AC & DC Load Banks are electrical testing devices designed to simulate real electrical loads for the testing, commissioning, and maintenance of power sources such as uninterruptible power supplies (UPS), inverters, and batteries. These load banks safely dissipate electrical energy by converting it into heat, allowing operators to assess the performance and reliability of power equipment under various load conditions.

AC Load Banks

AC load banks are used to test and validate alternating current (AC) power systems. They can simulate a wide range of resistive, inductive, or capacitive loads to ensure, UPS systems, and power distribution networks perform reliably under different load conditions.





DC Load Banks

DC load banks are designed to test direct current (DC) power sources such as batteries, battery banks, rectifiers, and DC power supplies. They help verify the capacity, discharge characteristics, and performance of DC systems by applying controlled loads and monitoring voltage, current, and other key parameters.

Key Features:

- Suitable for testing both AC and DC power systems
- Available in portable or stationary configurations
- Digital control and monitoring
- Customizable load steps and voltage/current ratings
- Safety features including over-temperature protection and emergency stop





Installation, Testing and Commissioning of AC & DC UPS and Inverter System

PTS support you through every phase of your project. Our end-to-end service covers Installation, start-up, site acceptance testing, commissioning of UPS, Battery Charger & Inverter systems. All executed with a high level of professionalism and a focus on customer satisfaction.

Our experienced field engineers ensure your power protection equipment is commissioned correctly, helping maintain the validity of your warranty and maximizing system reliability.

PTS engineers are fully qualified and equipped to handle even the most demanding environments — including Oil & Gas, chemical plants, power stations, and general industry — while adhering strictly to international safety standards



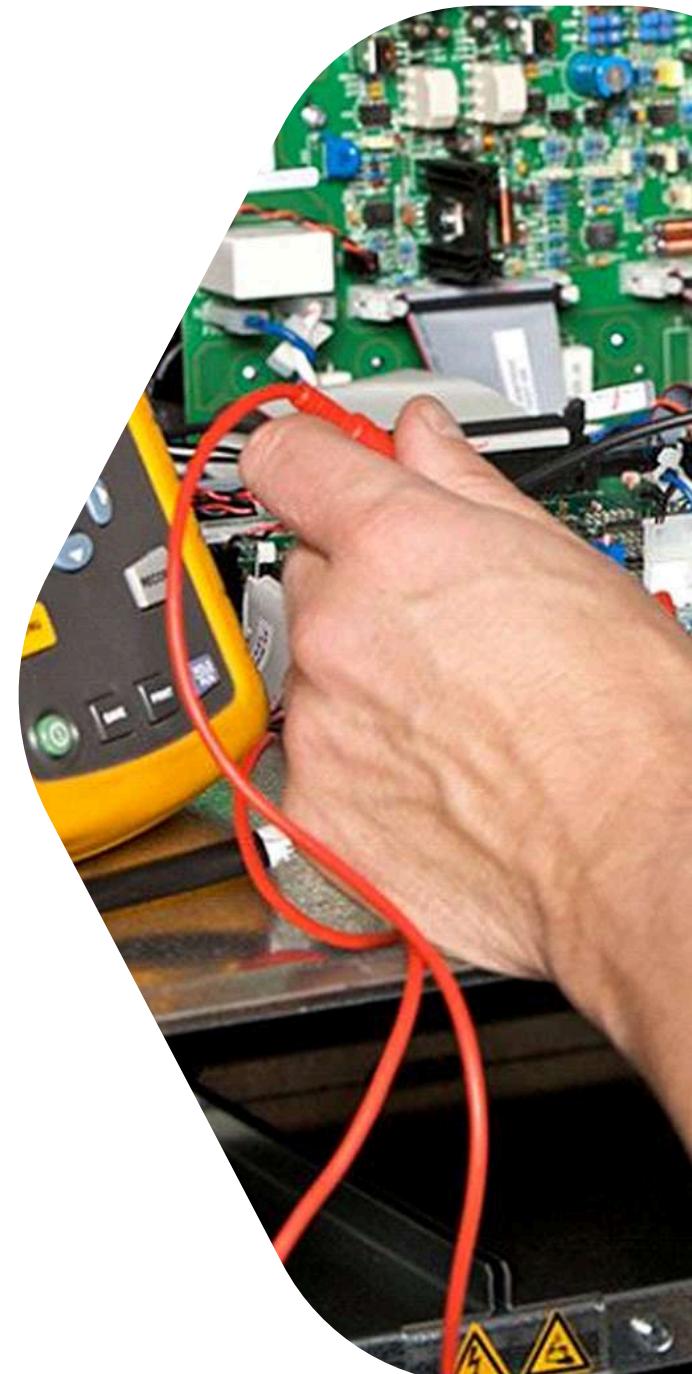


UPS & Battery Charger Repair & Maintenance Services

At PTS, we understand the critical role Uninterruptible Power Supply (UPS) systems play in ensuring business continuity and protecting vital infrastructure. Our UPS Repair & Maintenance Services are designed to keep your power protection systems operating at peak performance, minimizing downtime and extending equipment lifespan.

Our preventive and corrective maintenance programs include:

- Routine Inspections: Regular checks to identify early signs of wear, degradation, or failure.
- Visual inspection, voltage/current recording.
- Air filter and capacitor replacement.
- Waveform monitoring and calibration.
- Battery Testing & Replacement: Load testing, impedance testing, and proactive battery replacement to avoid unexpected outages.
- Firmware & Software Updates: Ensuring your system operates on the latest, most secure versions.
- Environmental Monitoring: Checking ambient conditions (temperature, humidity, dust) that can impact UPS performance.
- Cleaning & Component Checkups: Removal of dust and contaminants from internal components, and inspection of fans, capacitors, and connections.
- Expert Repair Services
- Should a failure occur, our skilled engineers provide:
- Fast Diagnostics: Rapid fault identification using specialized tools and software.
- On-Site Repairs: Immediate resolution of issues using OEM parts and industry best practices.





UPS / Battery Charger / Inverter Refurbishment & Retrofit

PTS provides refurbishment and retrofit services for UPS, battery chargers, and inverters across all major manufacturers.

Over time, even the most reliable power protection equipment can suffer from performance degradation, outdated components, or lack of manufacturer support. At PTS, our Refurbishment & Retrofit Services provide a cost-effective and efficient alternative to full replacement—extending the life, improving the efficiency, and enhancing the reliability of your existing UPS systems, battery chargers, and inverters.

Key Benefits

Improved Reliability & Performance

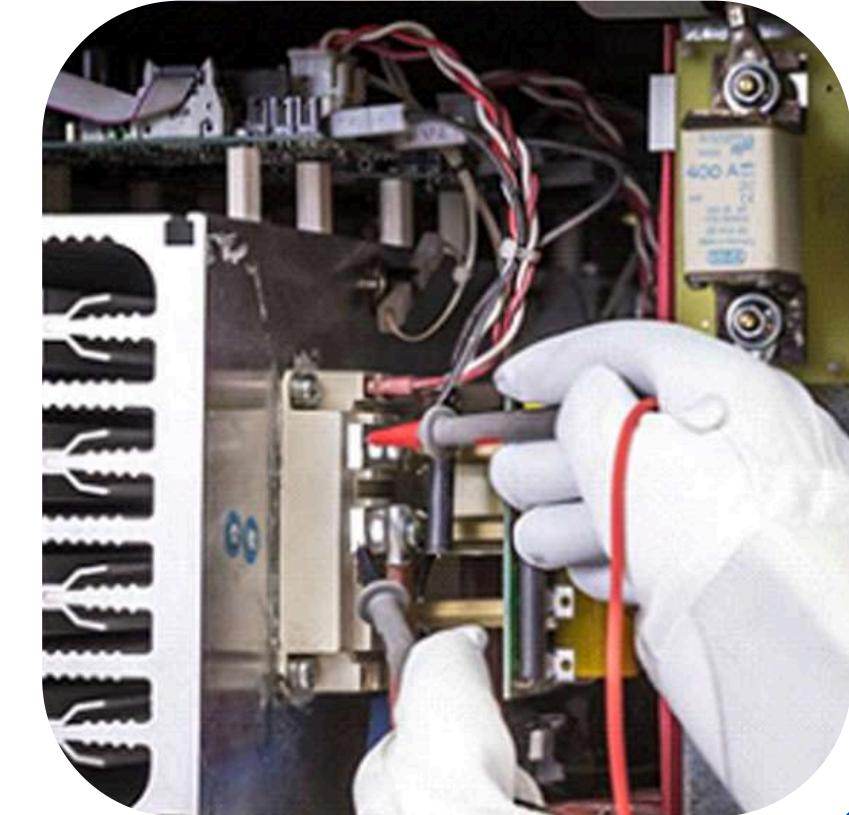
Extended Equipment Life

Reduced Downtime

Cost Savings

Sustainability

Compliance & Safety



Battery Installation & Maintenance Services

Batteries are the core of any UPS system, providing backup power during mains failure. Poorly maintained or aging batteries reduce autonomy time and can cause major disruptions. PTS ensures your UPS battery systems remain reliable, efficient, and safe through professional installation, preventive maintenance, and timely replacement.

Our Battery Services Includes Installation, testing, and supervision for Lead Acid & Nickel Cadmium batteries Visual inspection and cleaning Charging and discharge testing Voltage, ripple current, and specific gravity checks Acid/electrolyte filling and top-up supervision Thermal imaging and impedance testing Preventive maintenance to extend battery life.

Battery Supply & Replacement Services - Lead Acid, Ni Cd & Lithium Iron

PTS is recognized as one of the leading providers of UPS battery supply and replacement services in the GCC. With decades of expertise, we ensure smooth UPS performance by supplying quality batteries, replacing deteriorated ones, and conducting thorough post-replacement testing.





Battery Discharge Test With DC Load Bank

PTS provides Battery Discharge Test with DC Load Bank to accurately evaluate the performance of UPS batteries and ensure the reliable operation of both AC and DC systems.

This testing determines the true autonomy of the battery system and verifies the integrity of all electrical interconnections. During the procedure, the load bank applies a controlled electrical load to the battery system, while individual cell voltages are continuously monitored throughout the discharge cycle.

Upon completion, PTS delivers a comprehensive performance report that highlights any faults, inefficiencies, or imbalances—enabling prompt corrective actions and supporting long-term system reliability.

Why Choose PTS for Battery Discharge Testing?

- Validates Actual Battery Capacity
- Early Detection of Weak or Failing Cells
- Verifies Electrical Integrity
- Prevents Unplanned Downtime
- Supports Predictive Maintenance
- Ensures Compliance
- Improves System Reliability
- Detailed Performance Reporting
- Cost Efficiency



PTS is recognized among the leading UPS service providers in the UAE, offering expert battery maintenance and discharge testing at competitive rates. Our experienced engineers ensure that your backup power systems are tested, optimized, and ready to perform when needed most.

BATTERY IMPEDANCE TESTING

Battery Impedance Testing is a non-intrusive method used to evaluate the internal condition of batteries without disconnecting them from the system or fully discharging them. It measures the internal resistance (impedance) of each battery cell or unit, helping to identify early signs of degradation or failure.

KEY BENEFITS

- Non-Disruptive Testing
- Early Detection of Problems
- Quick and Efficient
- Extends Battery Life
- Improves System Reliability
- Cost-Effective
- Supports Trend Analysis



THERMOGRAPHY TESTING - UPS & BATTERY

PTS Thermal imaging service involves electrical inspection in checking the components of UPS and battery using special infrared equipment. Infrared cameras are used to detect and photograph infrared radiations produced by warm objects, thus enabling an object's temperature to be analyzed in a non-invasive way and with a high level of precision. in this way it is possible to perform a preventive diagnosis of breakdown risks by analyzing the temperature of components including transformers, electrical switchboards, power factor correction systems, distribution cables, protection devices, isolators, UPS, converters, and batteries, etc.



Using thermography, it is possible to check active installations and rapidly identify critical situations affecting energy distribution and electrical components (loose or corroded connections, load imbalance, overloads, presence of harmonic currents).

Thermal imaging is used to check for "hot spots" which would indicate points of high thermal stress in the cell or the battery bank. Thermography tests can help to identify problems such as overheating, inadequate heat sinking or air flow, undersized current conductors and interference from neighboring cells or devices. The images can also be used to determine the best location for the temperature sensors used in protection circuits.



AC & DC LOAD BANK RENTAL SERVICE

PTS offers rental of AC & DC Load Banks to support AC&DC UPS testing, Battery Testing and performance validation across a wide range of industries. Whether you need a permanent solution or a temporary setup, we provide high-quality load banks and expert support to ensure reliable and accurate testing of your power infrastructure.

- AC Load Banks - Single-phase and three-phase units
- DC Load Banks- 12V, 24V, 48V, 110V, 220V , 400,600V DC (and custom options)





AC & DC UPS Rental Services

PTS offers comprehensive AC & DC UPS Rental Services to ensure continuous power for critical systems during planned maintenance, emergencies, or temporary operations. Our rental solutions are ideal for clients who need short-term or backup power protection without the commitment of a permanent system.

Whether you're supporting sensitive IT infrastructure, industrial control systems, or power plant operations, we provide fast, flexible, and fully supported UPS rentals—customized to your technical and operational requirements.

AC UPS Rental Solutions

- Single-phase and three-phase UPS systems
- Includes battery packs for required autonomy, bypass panels, and cabling



DC UPS Rental Solutions

- DC UPS systems available in various voltages (24V, 48V, 110V, 220V DC)
- Includes DC battery banks, chargers, and distribution panels

ON-CALL / ON-SITE SUPPORT & PRODUCT TRAINING SERVICES

PTS provides reliable on-call / on-site support & product training Services for all types of UPS systems, ensuring uninterrupted operations and preventing costly downtime. Our dedicated team offers 24/7 troubleshooting and callout support throughout the year, guaranteeing that any issues are addressed quickly and efficiently to keep your business running smoothly.

KEY BENEFITS

- Enhanced operational safety and reliability
- Rapid response times to minimize downtime
- Expert Support at Your Location
- Customized Solutions
- Quick rectification of minor issues, reducing risk of future breakdowns
- Compliance & Documentation- Service Reports & Logs
- Maximum process continuity and reliability
- Peace of Mind





POWERTRONICS
TECHNICAL SERVICES

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