

ENGINEERED TO EXPECTATIONS

# UNITED POWER ENGINEERING SDN. BHD.

(766515-V)

*Engineering Since 1993.*
*Powering the Switch to Electric.*

ACCREDITED BY

Suruhanjaya Tenaga
Energy Commission

CIDB MALAYSIA


GET IN TOUCH

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# COMPANY PROFILE



## UNITED POWER ENGINEERING SDN. BHD.

United Power Engineering Sdn. Bhd. (766515-V), known as UPE, has been actively involved in the electrical engineering industry for over three decades, with its roots tracing back to 1993.

From the early 1990s to today, UPE has been the preferred choice for commercial complexes, malls, hotels, public halls, private clubs, restaurants, and private residences across the Klang Valley. The team is built around deep technical competency, with senior engineers and technicians holding recognised Suruhanjaya Tenaga certifications.




Today, that same engineering discipline, tested across three decades of commercial and residential projects, is being applied to UPE's newest specialisation: professional EV charger installation, alongside our continued commitment to electrical maintenance for restaurants, convenience stores and F&B outlets. We are accredited by CIDB Malaysia and Suruhanjaya Tenaga (Energy Commission), and continue to provide round-the-clock electrical maintenance support so our clients experience minimal downtime.

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## OUR STORY

# Since 1993. Still Engineering It Right.

United Power Engineering's roots go back to 1993, when our founding team began providing hands-on electrical and technical installation work. That foundation grew, over time, into United Power Engineering Sdn. Bhd., a company built by engineers who believed that good electrical work is judged by what you don't see: no shortcuts, no unsafe wiring, no guesswork.

For over three decades, that same standard has been carried by the team director N. Mahendran built serving commercial complexes, malls, hotels, restaurants and private homes across the Klang Valley, and earning long-term trust from names like Shell, Tenaga Nasional, Carrefour, Chili's and Panasonic.

Today, UPE's engineering direction is led by M. Vinod, who works closely alongside N. Mahendran to carry that same hands-on discipline into the company's next chapter: helping Malaysia switch to electric vehicles safely.




### PEOPLE BEHIND THE POWER

UPE's technical team includes engineers and technicians holding recognised Suruhanjaya Tenaga competent-person certifications, including A1 Chargeman and PW4 grades, several with over two decades of continuous service to the company.

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# BUILT TO LAST.
# ENGINEERED TO ADAPT.

## OUR MISSION

*"To design, install and maintain EV charging and electrical systems, including ongoing electrical maintenance for restaurants, convenience stores and F&B outlets that meet the highest safety and engineering standards, so every client can plug in, and operate, with total confidence."*

## OUR VISION

*"In five years, United Power Engineering is recognised as Malaysia's leading EV charging specialist and a dependable electrical maintenance partner to the F&B and retail businesses that keep Malaysia running The accredited name households, developers, restaurants and corporations call first, measured not by installs alone, but by an outstanding record of safety and trust."*

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# WHY CHOOSE UNITED POWER ENGINEERING

1

## Established Engineering Foundation

Over three decades of electrical engineering experience, formally accredited by CIDB Malaysia and Suruhanjaya Tenaga.

2

## One Accredited Partner

Electrical maintenance, wiring, inspection and EV charging handled by the same engineering-led team, not outsourced piecemeal.

3

## Built for Uptime

Preventive maintenance and rapid troubleshooting designed to minimise business disruption.

4

## Fair, Transparent Value

Professional workmanship and proper safety practices, priced for the work done.




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## CAPABILITIES AT A GLANCE

# One Engineering Partner. Every Electrical Need.

From the switchboard to the EV charger, UPE's capabilities span the full electrical system



EV Charger Installation & Charging Infrastructure




Electrical Defect Inspection & Testing



Surge, Lightning Protection & Earthing



Electrical Wiring (Single & Three Phase)



CCTV, Data Cabling & Paging Systems



Preventive Maintenance & Troubleshooting



MSB, Switchgear & Protective Relay Services



Air-Conditioning Service & Repair

## SOLUTIONS FOR HOMES

# Your Home. Your EV. Wired Right.

### SAFE HOME. SAFE ELECTRICAL SYSTEM. SAFE EV CHARGING.

Buying an EV charger is easy. Installing it safely is the part that matters. Before we mount anything, UPE assesses your home's electrical system to confirm it can safely support a charger, protecting your home, your appliances, and your family.

We then handle the full installation: proper wiring, circuit protection, earthing and testing, done to the same engineering standard we've applied to commercial buildings for over three decades.



- Home EV charger installation
- Electrical defect assessment with professional report (Both new & sub-sale properties
- Load balancing for 3-phase systems




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## ELECTRICAL DEFECT INSPECTION & HOME SAFETY

# Don't Just Plug In. Check In First.

Many homes weren't built with EV charging in mind. An older consumer unit, undersized wiring, or a poorly earthed system can turn a simple charger installation into a real safety risk. This applies whether your home is brand new or has changed hands a few times. UPE's inspection covers new homes and older, sub-sale properties alike.

UPE's electrical defect inspection checks your home's wiring, earthing and protection systems before any EV charger is fitted, so problems are caught early, not after something goes wrong.

- Electrical safety inspection
- Wiring and earthing system checks
- Leakage / RCD operation testing
- Load capacity assessment for EV charging
- Troubleshooting and defect diagnosis
- A professional defect report will be provided, complete with formal company acknowledgement for clear, reliable and properly documented findings.

### THE WRONG WAY

Tapping power directly from a TNB meter board for EV charging is unsafe and illegal. There is no dedicated protection, higher fire and shock risk, and grounds for supply disconnection.

*Electricity Supply Act 1990 · Suruhanjaya Tenaga Act 2001*

### THE RIGHT WAY

A dedicated EV charger circuit should be pulled directly from the Main Distribution Board (Main DB), instead of tapping power from the TNB meter board. The circuit must include proper protection, approved cables, MCBs and RCCBs, installed by a Suruhanjaya Tenaga accredited contractor. That’s the UPE standard.

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## SOLUTIONS FOR COMMERCIAL & BUSINESS

# More Than a Contractor.
# A Long-Term Engineering Partner.

Commercial electrical systems don't get a quiet period. Malls, offices and institutions rely on continuous power every day. UPE supports businesses with reliable wiring, preventive maintenance and EV charging infrastructure, backed by decades of experience keeping commercial buildings running.

We've maintained switchgear, calibrated protective relays, and troubleshot electrical systems for developers, institutions and government contracts, the same discipline now extends to EV charging for staff, tenants and fleets.

- Commercial EV charger installation & infrastructure
- Electrical wiring, upgrades and repairs
- MSB servicing, testing and calibration
- Preventive maintenance programmes for restaurants, clubs, convenience stores & etc
- Electrical inspections and troubleshooting
- TNB-related electrical works
- 24/7 trips and breakdown support




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## F&B, RETAIL & MULTI-OUTLET BUSINESS

# When the Power Goes Down, So Does Business.

UPE has supported F&B and retail operators for decades, including multi-outlet chains, with wiring, maintenance and rapid troubleshooting that keeps operations running.

For businesses with more than one outlet, working with a single dependable engineering partner means consistent standards and one point of contact across your portfolio.




*UPE technician servicing commercial kitchen equipment on-site*

- Electrical wiring for new and existing outlets
- Preventive maintenance to reduce downtime
- Troubleshooting & emergency electrical support
- Kitchen equipment-related electrical service
- Chiller and freezer service & repairs
- PA & paging system installation and repairs
- MSB servicing
- EV charging infrastructure for outlets

*Trusted by Chili's since 1998, with ongoing service and support provided across all their outlets throughout Malaysia.*

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## EV CHARGING SOLUTIONS

# EV Expertise, Engineered Properly.




An EV charger is only as safe and reliable as the electrical system behind it. UPE's approach goes beyond mounting a box on a wall, every installation starts with an electrical assessment, followed by proper wiring, circuit protection, testing and commissioning.

UPE also supplies EV chargers in collaboration with Sangitech, offering clients a complete end-to-end solution from charger supply to professional installation, testing and commissioning.

We work with a growing network of EV and charger brands, bringing the same partnership-led approach that has defined UPE's relationships over three decades of electrical engineering work.

### COMPATIBLE WITH LEADING EV & CHARGER BRANDS

TESLA · BMW · PERODUA · smart · GWM · BYD BUILD YOUR DREAMS · PROTON INSPIRING CONNECTIONS


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## WIRING & ELECTRICAL ENGINEERING FOR BUSINESS

# The System Behind the Switch.

Long before “EV-ready” was a term, UPE was maintaining the electrical backbone of the businesses that keep Malaysia running, apartments, commercial towers, restaurants and institutions alike. Main switchboards, standby generators, DC systems and protective relays. That depth of experience is what allows us to evaluate whether your business's electrical infrastructure can support EV charging, and to upgrade it properly when it can't.




### AC Power Systems

Main/sub switchboards, distribution boards, riser cabling, lighting & power points, earthing, protective relay calibration

### DC Power Systems

Rectifiers, batteries, DC riser cabling, distribution, earthing

### Generator Systems

Load testing, mechanical & electrical servicing, protective relay calibration

### HT/LV & Predictive Maintenance

Transformer and alternator servicing; Total Predictive Maintenance (TPM) and fault diagnosis on low and high voltage systems

GET IN TOUCH

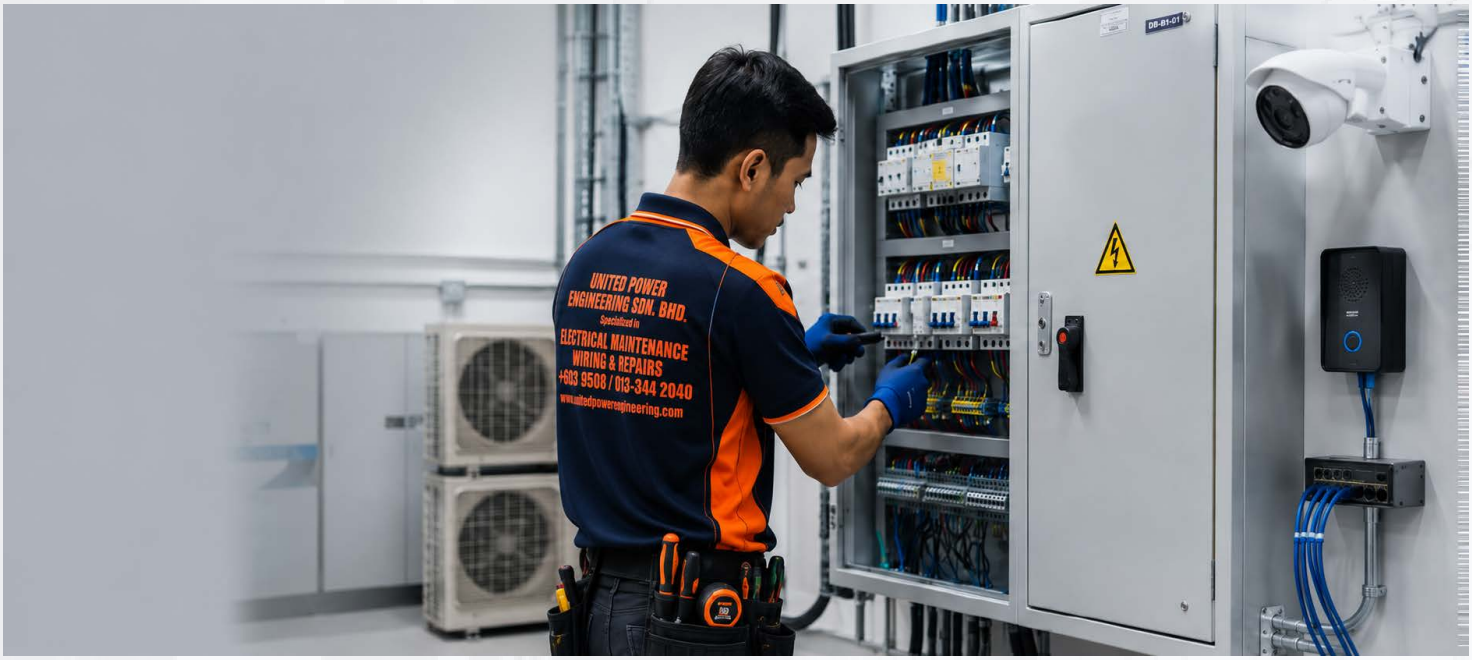
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ADDITIONAL ENGINEERING CAPABILITIES

# Beyond EV. Built to Keep Your Business Running.




## Electrical Maintenance for Restaurants, Pubs & Convenience Stores

Regular electrical upkeep for businesses that can't afford downtime. Such as, kitchen equipment, chillers, lighting and power systems kept running so service never stops.

## Electrical Defect Inspections for New Homes & Old/Sub-Sale Properties

Whether you're moving into a newly-built unit or a resale property with older wiring, an inspection confirms your home is safe before you settle in, or before it changes hands.

## CCTV Design & Installation

Design, wiring and installation of CCTV systems for homes and businesses.

## Data Cabling

Complete structured data cabling works for offices and commercial premises.

## Building Paging Systems

Installation of PA and paging systems for halls, malls and institutions.

## Air-Conditioning

Installation and maintenance of air-conditioning systems.

## Legacy Sound Services

Professional sound equipment setup, repair and rental, a service heritage tracing back to UPE's earliest years.

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## TRACK RECORD

# Three Decades of Work You Can Verify.

From hotels in the 1990s to malls, hospitals, telecommunications infrastructure and multinational F&B chains today, UPE's project history reflects genuine, sustained engineering work.

### THE '90s

*Projects totaling RM 2.1 Million*

Voodoo Discotheque, American Chili's Bangsar, Modesto's Bangsar, Metro Jaya Bukit Bintang, Modesto's Sunway, Metro Jaya Mid Valley Mega Mall, American Chili's Shahzan Plaza, Hotel Malaysia, Deepam Restaurant Bukit Bintang, Sentosa Polyclinic & Surgery, Little Caterers Puchong, DRB Hicom, Telekom Malaysia Jalan Raja Chulan, Modesto's Kuala Lumpur, Telekom Malaysia Petaling Jaya, American Chili's KLIA, The Embassy Discotheque, Dr. Siva Anandan Country Heights, Palm Garden Country & Golf Resort, Tropicana Golf Resort, Sunway Pyramid, Echo Pub, Big Caterers Cheras, Ampang Point Complex, American Chili's KLCC, Surau at Technology Park Kajang, Shell Malaysia.

### THE NEW MILLENNIUM & AFTER

*Projects totaling RM 7.6 Million*

Universiti Teknologi Malaysia, BP Malaysia, Matushita Corporation, Telekom Training College, Jalan Raja Chulan Condominium, Good Shepherd Church Ampang, Maryvale Kindergarten, Etna Insurance KL, Telekom Malaysia Perak, Malaysian Airline Academy, Citron Café, PTC Asia Pacific, Pertama Sogo, Stella Mary Church, Gowin Trading, Asia Build Online, Passage Thru India Restaurant, Malaysian Paralympic, Malaysian Dental Association, Unitata, Retro AVE, Carrefour, Sek. Men. Vivekananda PJ, Measat Broadcast Network Systems, Dunham Bush Industries Kajang, Terminal Bersama, TNB Bukit Bintang, Puspakom, Restoran Manja, Little Caterers Seremban, Nikko Hotel KL, The Stonor Centre, Kementerian Kesihatan Malaysia, American Chili's MidValley, Exotic Fine Dining, Japamala Resorts, Tamarind & Terrace Restaurants, Jumbo Caterers & Restaurants.

## OUR CLIENTS INCLUDE

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ACCREDITATION & CREDIBILITY

# Accredited. Certified. Accountable.

United Power Engineering is accredited by CIDB Malaysia and Suruhanjaya Tenaga (Energy Commission), and our technicians hold recognised competent-person certifications under Suruhanjaya Tenaga's framework, he same “ST-Competent” standard that governs safe electrical and EV charger installation in Malaysia.

### CIDB Malaysia
Registered and accredited contractor

### Suruhanjaya Tenaga
Energy Commission accredited, ST-Competent

### A1 Chargeman
Competent-person certification held by senior technical staff

### PW4
Electrical competency certification held by field technicians




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# UNITED POWER ENGINEERING SDN. BHD.

## Let's Talk About Your Project.

*Whether it's a home EV charger, a commercial maintenance plan, or a multi-outlet electrical partnership — our team is ready to help.*




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