

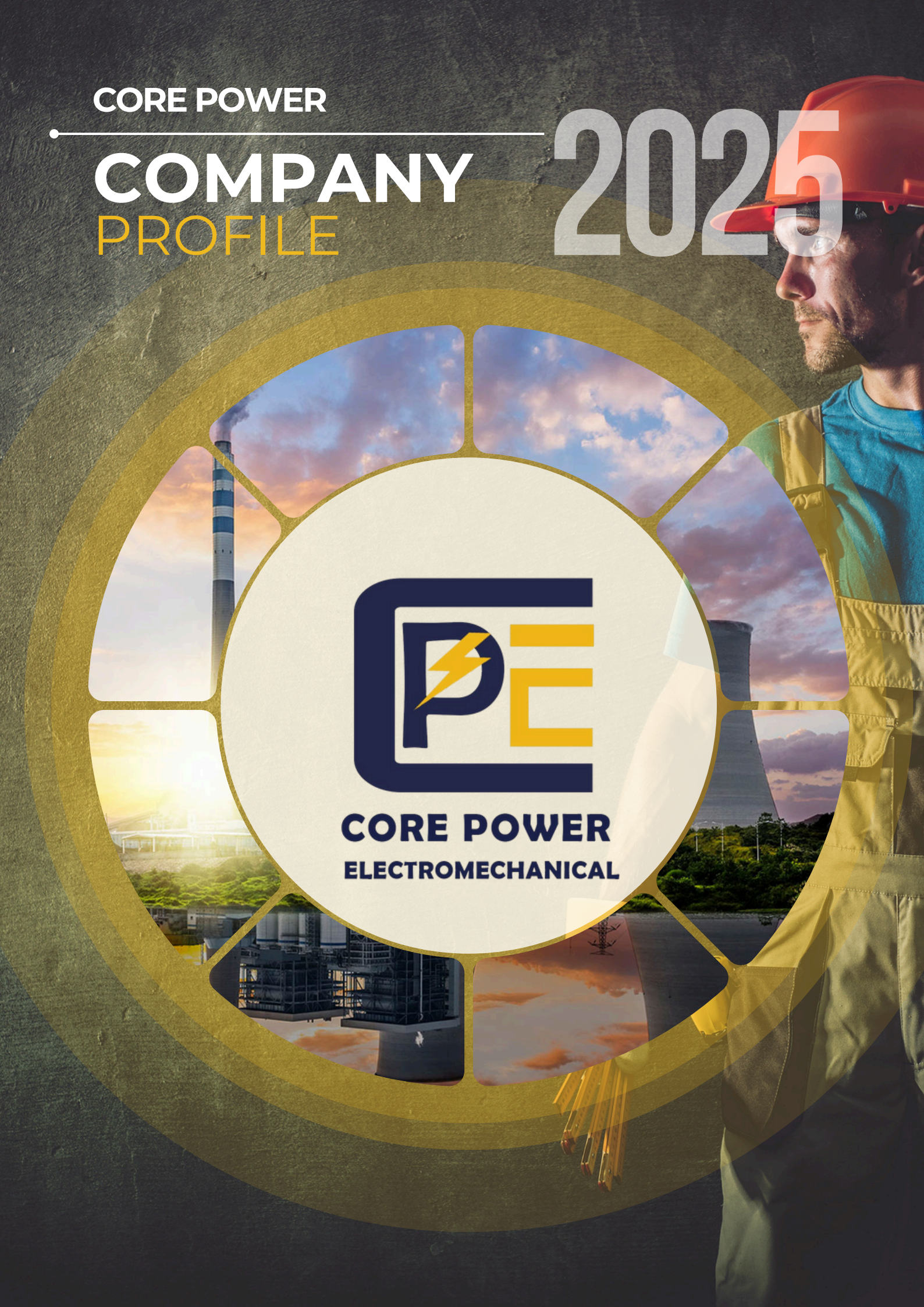
CORE POWER

COMPANY
PROFILE

2025



CORE POWER
ELECTROMECHANICAL





WELCOME TO CORE POWER

your trusted partner in
delivering high-quality, code-
compliant MEP solutions
across the UAE.

Core Power Electromechanical (CPE) is a UAE-based MEP (Mechanical, Electrical, and Plumbing) contracting company, founded with a vision to provide comprehensive, reliable, and efficient building services tailored to the fast-evolving demands of the construction and infrastructure industry. Headquartered in Ras Al Khaimah, we are strategically positioned to serve clients across the Emirates with a focus on quality, safety, and timely execution.

At CPE, we specialize in the design, supply, installation, testing, commissioning, and maintenance of MEP systems for a wide range of developments, including residential villas, commercial towers, industrial facilities, warehouses, hospitals, hotels, and retail environments. We offer fully integrated solutions across Electrical Works, HVAC Systems, Plumbing, and Fire Fighting & Alarm Systems, ensuring seamless coordination and single-source responsibility throughout the project lifecycle.

What sets CPE apart is our deep understanding of UAE authority regulations and commitment to regulatory compliance with entities like DEWA, Etihad WE, FEWA, Municipalities, and Civil Defense. Our engineering team brings together technical precision, hands-on field experience, and a customer-centric mindset, enabling us to manage both fast-track and large-scale projects with consistency and professionalism.

Whether it's a new build, a fit-out project, or a retrofit upgrade, we approach every engagement with a commitment to excellence, sustainability, and long-term value. With CPE as your MEP partner, you can expect dependable service, transparent communication, and engineering solutions that meet the highest standards of performance and safety.

VISION

To provide high-quality electromechanical services that meet the needs of our clients, ensuring timely delivery, cost efficiency, and adherence to the highest standards of safety and performance



MISSION

To deliver innovative, reliable, and cost-effective electromechanical services that exceed client expectations – ensuring safe, timely, and high-quality execution across every project we undertake.

01

To deliver safe, efficient, and sustainable MEP solutions tailored to client needs.

02

To uphold the highest standards of professionalism, regulatory compliance, and technical precision.

03

To build long-term partnerships through reliability, transparency, and customer satisfaction.

04

To continuously improve through innovation, training, and commitment to excellence.

OUR CORE VALUES

At Core Power Electromechanical, we are driven by quality, safety, and integrity. We prioritize client satisfaction, regulatory compliance, and innovative execution to deliver reliable MEP solutions that stand the test of time.

QUALITY

We are committed to delivering high-performance MEP solutions using premium materials, proven methods, and skilled execution ensuring every project meets the highest standards.

SAFETY

Safety is built into everything we do. From site operations to system installations, we follow rigorous safety protocols to protect our teams, clients, and communities.

RELIABILITY

Clients count on us to deliver on time and as promised. We take full responsibility for our commitments and pride ourselves on consistent performance and transparent communication.

INNOVATION

We embrace new technologies, smart systems, and energy-efficient practices to offer modern, sustainable MEP solutions that add long-term value to every development.

INTEGRITY

Our work is guided by full adherence to UAE authority standards and honest business practices. We believe integrity is the foundation of lasting client relationships.

EXCELLENCE

We maintain a strong focus on high standards, precision, and continuous improvement.

A man wearing a blue work jacket and an orange hard hat is shown in profile, looking intently at an open electrical control panel. He is holding a blue component or tool within the panel. The background is a blurred industrial setting. The entire image has a blue color overlay.

“

Delivering Excellence in Every Project &
Building a Better Tomorrow

”



OUR SERVICES

Core Power Electromechanical (CPE) offers end-to-end MEP solutions covering Electrical, HVAC, Plumbing, Fire Fighting, and complete Turnkey MEP Contracting. We provide design, installation, testing, commissioning, authority approvals, and maintenance services tailored to residential, commercial, and industrial projects across the UAE.



**ELECTRICAL
WORKS**



HVAC



PLUMBING



FIRE FIGHTING



**MEP TURNKEY
SOLUTIONS**



ELECTRICAL WORKS

Powering Projects with Precision and Compliance



ELECTRICAL WORKS

- ✔ At Core Power Electromechanical (CPE), we are committed to delivering safe, efficient, and technically sound electrical installations across a wide range of sectors. Our services are designed to meet the needs of residential, commercial, and infrastructure projects, ensuring full compliance with regulatory bodies such as Etihad WE, DEWA, and ADDC. We focus on providing solutions that not only meet today's demands but are also future-ready.
- ✔ Our electrical works cover everything from LV cabling, cable tray systems, and trunking to the installation of feeder pillars and main distribution boards. We have the capability to execute street lighting systems, submain wiring, and final circuit terminations with precision and attention to detail. Every installation is backed by thorough testing, including cable jointing, termination, and insulation resistance testing, to ensure operational safety and performance.
- ✔ Beyond execution, we handle the critical aspects of load calculations, authority coordination, and technical submissions to utility providers. Our in-house engineering team prepares all required drawings, schedules, and documentation in alignment with Etihad WE and DEWA guidelines. This allows our clients to move seamlessly through inspection and approval processes without delays.
- ✔ What sets CPE apart is our emphasis on regulatory excellence, technical accuracy, and timely delivery. From grounding and lightning protection systems to full documentation support, we ensure our clients receive a complete, code-compliant electrical solution tailored to the project's needs and timeline.



SCOPE OF SERVICES

01

LV Cabling, Cable Tray & Trunking Installation

We provide structured, safe, and organized installation of low-voltage cabling systems with high-quality tray and trunking to support efficient and reliable power distribution across all types of projects.

02

High Voltage Cabling & Termination

Expert installation, jointing, and testing of HV cables for substations and major power systems, ensuring safety and regulatory compliance.

03

Street Lighting Systems

We design and implement energy-efficient street lighting for roads, pathways, and outdoor facilities, enhancing visibility and safety while meeting local authority guidelines.

04

Submain & Final Circuit Wiring

Complete electrical wiring solutions from main panels to final outlets, supporting lighting, sockets, HVAC, and equipment connections with adherence to safety and load requirements.

05

Cable Termination, Jointing & Testing

Our technicians execute precise cable termination and jointing with thorough testing procedures including insulation resistance (IR), continuity, and megger testing to ensure safety and performance.

06

Grounding & Lightning Protection

We implement grounding systems and lightning protection measures to safeguard people, equipment, and structures from electrical faults and lightning strikes.

07

Utility Approvals & Coordination

Complete handling of load calculations, documentation, and submissions to UAE utilities (DEWA, Etihad WE, FEWA) for fast and compliant power approvals.

08

Feeder Pillar & MDB Installation

Our team installs Feeder Pillars and Main Distribution Boards (MDBs) in compliance with Etihad WE / FEWA standards, ensuring continuous, stable power supply and proper load segregation.

HVAC WORKS

Engineered Comfort through Energy-Efficient Climate Solutions



HVAC WORKS

- ✔ At Core Power Electromechanical (CPE), we take pride in delivering comprehensive HVAC solutions that are energy-efficient, cost-effective, and built to last. Our HVAC systems are custom-engineered to meet the specific requirements of each project, whether it's a standalone villa, high-rise residential complex, commercial facility, or industrial plant. We work closely with clients, consultants, and contractors to ensure every system aligns with their technical, environmental, and budgetary goals.
- ✔ We specialize in the installation of a wide variety of systems including split units, ducted air conditioning systems, packaged rooftop units, and advanced chilled water systems. Our engineering approach considers not only the cooling load but also humidity control, air filtration, zoning, and long-term operational efficiency. Every project benefits from precise planning and execution, using globally recognized brands and industry-approved materials.
- ✔ Our team is equipped with the knowledge and tools to manage every aspect of HVAC delivery, from duct fabrication and smoke control solutions to smart thermostat integrations and automated climate control systems. We also ensure full compliance with UAE Civil Defense, municipal authorities, and international standards such as ASHRAE and SMACNA, ensuring your HVAC systems are safe, reliable, and inspection-ready.
- ✔ From initial design to testing and commissioning, CPE maintains a hands-on, quality-driven approach that guarantees performance and comfort. Our systems are rigorously tested for airflow balance, pressure regulation, and energy efficiency to ensure they meet or exceed expectations. Whether for new construction or retrofits, we are your trusted partner for high-performance HVAC installations across the Emirates.



SCOPE OF SERVICES

Split, Ducted & Package Units

Installation of efficient AC systems split, ducted, and packaged customized for each project's cooling needs and layout.

Chilled Water Systems (FCU, AHU, FAHU)

Centralized chilled water systems with FCUs, AHUs, and FAHUs for improved air quality and energy-efficient large-scale cooling.

Duct Fabrication & Insulation

Leak-free, insulated ductwork fabricated and installed to international standards for optimal airflow and system efficiency.

Smoke Ventilation Systems

Smoke extraction systems designed for life safety and UAE Civil Defense compliance in all occupancy types.

Thermostat & HVAC Controls

Smart HVAC control systems for efficient climate management, energy savings, and user comfort.

Testing, Commissioning & Balancing

Comprehensive testing and balancing to ensure reliable, efficient, and specification-compliant HVAC performance.

Civil Defense Compliance

Complete management of approvals and inspections to meet UAE Civil Defense safety and regulatory standards.

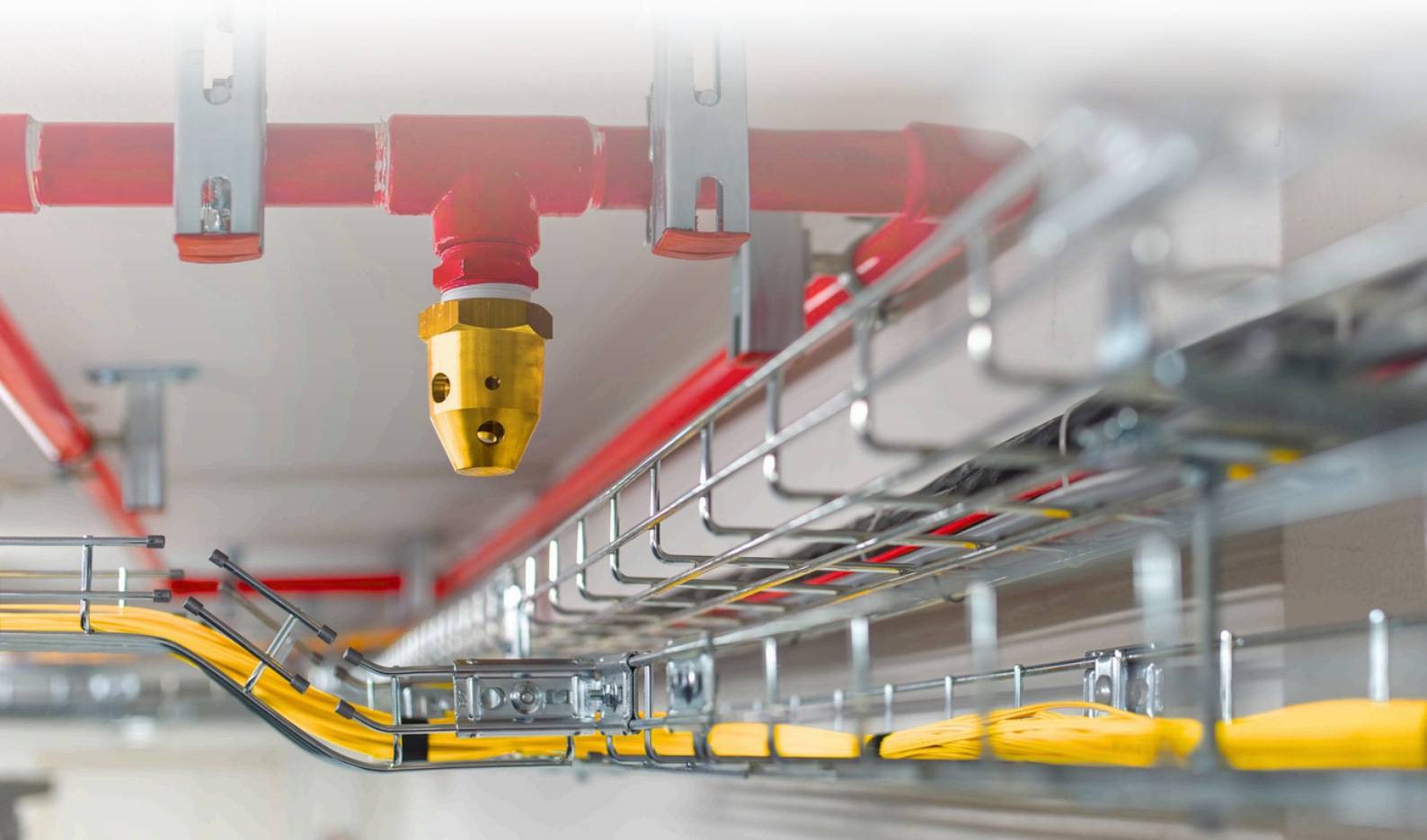
FIRE FIGHTING & FIRE ALARM SYSTEMS

Protecting Lives and Property with Certified Fire Safety
Systems.



FIRE FIGHTING & FIRE ALARM SYSTEMS

- ✔ At Core Power Electromechanical (CPE), we specialize in the delivery of fully integrated fire protection and alarm systems tailored to meet the rigorous requirements of UAE Civil Defense. Fire safety is not just a regulatory requirement it's a fundamental aspect of building security and risk management. That's why our systems are designed to safeguard lives, protect assets, and ensure operational continuity in all types of developments, including residential complexes, commercial buildings, and industrial facilities.
- ✔ Our services cover a broad range of fire safety components, including sprinkler systems, hose reels, fire pumps, FM200/CO2 suppression systems, fire alarm panels, and more. Each system is custom-engineered to suit the layout, occupancy, and usage of the building, ensuring maximum effectiveness during emergency scenarios. We carefully select equipment and materials from certified manufacturers to maintain both performance and compliance.
- ✔ CPE handles the entire process in-house from system design and authority coordination to installation, testing, and commissioning. Our engineers and technicians work closely with consultants and Civil Defense authorities to ensure that each system meets all safety standards and passes inspections without delay. We also manage technical documentation and support our clients during final handovers and certification.
- ✔ To extend system reliability post-installation, we offer Annual Maintenance Contracts (AMC). These services include scheduled inspections, preventive maintenance, emergency response, and performance testing. With CPE, clients can be confident that their fire safety systems remain fully operational, up to code, and ready to perform in critical situations throughout their lifecycle.



PLUMBING WORKS

Hygienic, Reliable, and Code-Compliant Water Solutions



PLUMBING WORKS

- ✓ At Core Power Electromechanical (CPE), we provide safe, hygienic, and code-compliant plumbing solutions tailored to meet the demands of modern buildings and infrastructure. Our systems are designed to serve a variety of sectors residential, commercial, and industrial with a strong focus on functionality, reliability, and long-term performance.
- ✓ We strictly follow UAE municipal regulations, including standards set by DEWA and local authorities, to ensure full compliance in all water supply, drainage, and sanitation installations. Our plumbing solutions are built around core principles such as water conservation, pressure control, leak prevention, and environmental sustainability ensuring every system is both efficient and regulation-ready.
- ✓ CPE offers end-to-end plumbing services, starting with detailed design, followed by expert installation, and concluding with rigorous testing, flushing, and chlorination to ensure cleanliness and performance. We use high-quality piping materials such as PPR, HDPE, and copper, along with certified sanitary fixtures and accessories to guarantee lasting value and safe operation.
- ✓ Our attention extends to both visible and concealed systems, ensuring that every part of the plumbing network contributes to the building's health, user comfort, and ease of maintenance. With professional execution and authority submission support, CPE delivers plumbing systems that combine engineering precision with regulatory assurance.



SCOPE OF SERVICES

01

Water Supply Piping (PPR, HDPE, Copper)

Installation of durable and hygienic water supply networks using corrosion-resistant materials like PPR, HDPE, and copper.

02

Drainage & Vent Systems

Gravity and pressure-based drainage systems with proper venting to ensure smooth wastewater flow and air pressure balance.

03

Sanitary Fixtures & Accessorie

Supply and installation of high-quality sanitary ware including toilets, basins, urinals, and plumbing accessories as per code.

04

Stormwater & Sewage Network

Construction of efficient stormwater and sewage systems with proper slope and flow, integrated with municipal infrastructure.

05

Testing, Flushing, Chlorination

Thorough testing, flushing, and chlorination of all water systems to guarantee hygiene and leak-free performance before handover.

06

Pump & Heater Installations

Setup of water pumps and heaters tailored to building size and usage to ensure reliable pressure and hot water availability.

07

DEWA & Municipality Submissions

Complete authority submission process including approvals, inspections, and certifications for compliance with UAE regulations.

MEP TURNKEY SOLUTIONS

Integrated MEP Delivery From Design to Handover.



MEP TURNKEY SOLUTIONS

- ✔ At Core Power Electromechanical (CPE), we offer complete MEP turnkey solutions that cover the full project lifecycle from concept design and authority approvals to execution, testing, and maintenance. Our integrated design-build approach enables seamless coordination across all MEP disciplines: Electrical, HVAC, Plumbing, and Firefighting. This not only accelerates project timelines but also ensures higher quality, cost control, and compliance.
- ✔ Our experienced engineering and project management teams collaborate with clients, consultants, and authorities to deliver optimized solutions for villas, commercial buildings, industrial facilities, and interior fit-outs. With a strong understanding of UAE codes and authority procedures, we ensure every aspect of MEP work is executed to regulatory standards with full transparency and accountability.
- ✔ From developing coordinated shop drawings to obtaining utility and Civil Defense approvals, CPE serves as a single point of responsibility. This reduces the complexity of dealing with multiple subcontractors and ensures smooth communication across all stakeholders. Every project concludes with comprehensive as-built documentation and client handover supported by certified testing and commissioning records.
- ✔ We also provide Annual Maintenance Contracts (AMC) and on-demand support to ensure all MEP systems remain operational, efficient, and compliant after handover. Our maintenance services are tailored to the facility's needs and include preventive checks, corrective actions, and emergency response. CPE's turnkey services are built on quality, speed, and trust making us a reliable partner for MEP execution in the UAE.



SCOPE OF SERVICES

End-to-End MEP Works for Villas, Buildings, Fit-outs

Complete mechanical, electrical, and plumbing execution for residential, commercial, and industrial properties, including new builds and interior fit-out projects.

Shop Drawings, Consultant Coordination

Preparation and submission of detailed shop drawings for all MEP systems, along with close coordination with consultants and architects for smooth project integration.



AMC & Maintenance Solutions

Tailored Annual Maintenance Contracts covering inspections, repairs, and preventive upkeep of all installed MEP systems to maintain performance and compliance.



Utility, Municipality & Civil Defense Approvals

Management of all technical submissions, authority communications, and follow-ups required to obtain Etihad WE, DEWA, FEWA, Municipality, and Civil Defense clearances.



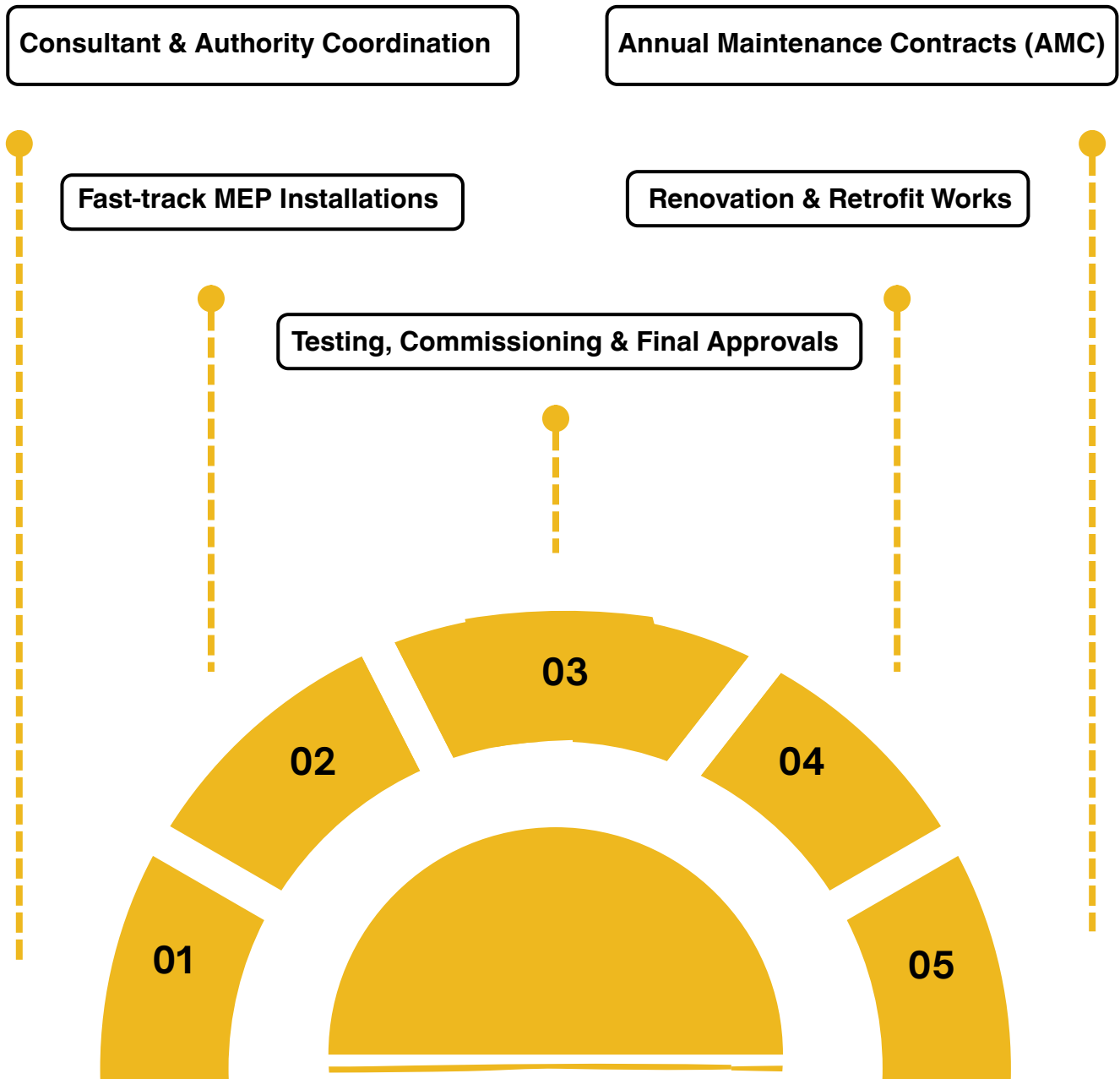
As-built Documentation

Compilation of comprehensive as-built drawings, test certificates, equipment manuals, and close-out reports, ensuring transparency and long-term reference for facility management.

PROJECT CAPABILITIES

At Core Power Electromechanical (CPE), we have the capability to execute a wide range of MEP projects from residential villas and high-rise commercial buildings to industrial and infrastructure developments. Our multidisciplinary team ensures that each project is handled with technical precision and adherence to the highest industry standards.

We bring together deep regulatory knowledge, practical experience, and a fast-track execution approach to deliver efficient, compliant, and cost-effective solutions. Whether it's a new build, retrofit, or renovation, CPE ensures every stage of the project meets client expectations and UAE authority requirements.



TARGET INDUSTRIES



CONSTRUCTION



REAL ESTATE



HOTELS



HEALTHCARE



EDUCATION



MANUFACTURING



RETAIL



WAREHOUSE



GOVERNMENT



DATA CENTERS



OIL & GAS



RENOVATION

WHY CHOOSE US?




Experienced Team

Skilled engineers, technicians, and project managers with deep knowledge of UAE codes and authority procedures.



Fast-Track Execution

We deliver projects on time without compromising quality, making us ideal for time-sensitive developments.



End-to-End Solutions

From design and authority approvals to installation, testing, and maintenance we handle it all under one roof.



Customized Approach

Tailor-made MEP solutions designed to meet each client's specific project needs, budget, and schedule.



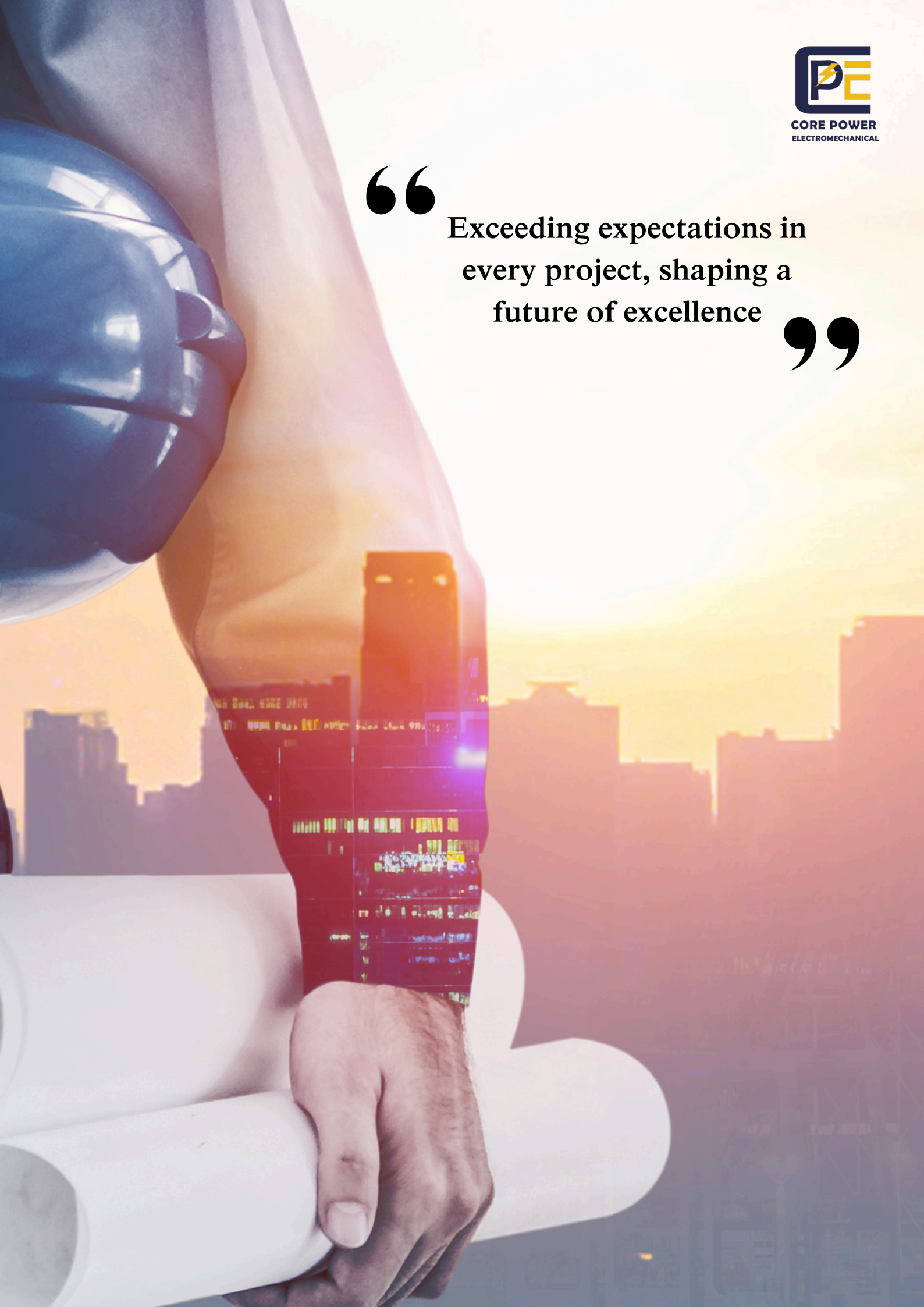
Client-Centric Approach

Your goals are our mission. We listen, adapt, and deliver tailor-made solutions that align with your project vision and operational needs.

“

Exceeding expectations in
every project, shaping a
future of excellence





”





Thank You

For inquiries,
contact us.

-  0502452495
-  www.corepoweruae.com
-  info@corepoweruae.com
-  Ras Alkhimah , Aluraibi , opposite Manar Mall , shaikh ahmed alqasimi building BlockA ,Flat M05