



COMPANY PROFILE

Electromechanical
Contractor & Supplier



 Custom (Pvt) Ltd
Engineering
SEE IT. SOLVE IT!

Leading Electro-Mechanical & MEP
Solutions Provider in Pakistan

TABLE OF CONTENT

OVERVIEW

- History 05
- Founder's Message 07
- Mission, Vision & Core Values 08

SCOPE OF BUSINESS

- Business Expertise 12
- Value Engineering 14
- Business Approach 16
- Our Services 17
- Sectors in MEP solutions 18

ORGANIZATION & RESPONSIBILITY

- Organizational Chart 20
- Key Persons 22
- Quality Management 23
- Safety Management 24

PERFORMANCE

- Business Sectors 28
- Business Report 29
- Recognition 30
- Recommendation Letters/ Certificates 31
- Clients & Partners 32

PROJECTS

- Precision Dx Cooling Units Data Center 34
- Corporate & Technology 38
- Government & Institutional 41
- Healthcare 48
- Commercial & High-rise 52
- Residential & Township Development 59
- Hospitality & Dining 60
- Event & Marquee Venues 63
- Operation And Maintenance Service 70
- Tensile & Steel Fabrication 71
- Superior Aluminum Framing & Glass Installation for Modern Construction 71

2012



Informal
Operations Began

2017



Incorporation And
Registration As
Custom Engineering
Private Limited
Company.

2022



Achieved Its First
50 Completed
Projects By 2022.

2026



Achieved Its
High End 100
Completed Projects
By 2026.



Overview





The Company History

Custom Engineering (Pvt) Ltd.

A Legacy of Trust, Precision, and Partnership

For over 14 years, the name Custom Engineering (Pvt) Ltd. has been identical with integrity, expertise, and reliability in the MEP sector. Our journey began as a dedicated team of specialists committed to raising the standard of building systems.

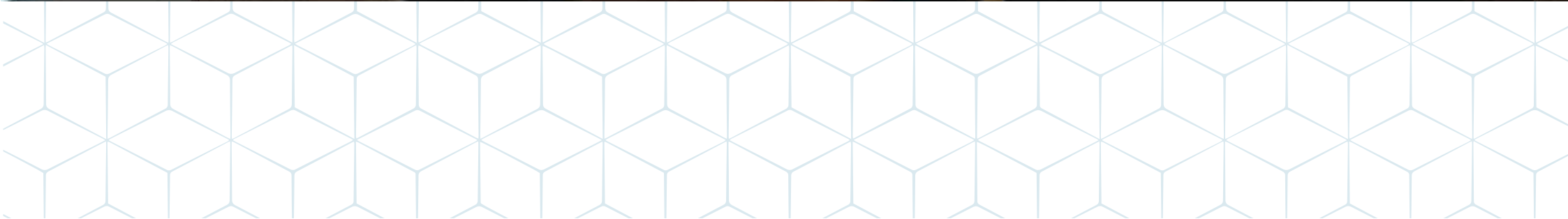
9 years ago, we formally established as Custom Engineering (Pvt) Ltd. marking a strategic milestone to better serve our growing clientele with enhanced structure, resources, and a renewed commitment to excellence.

This transition solidified our foundation, allowing us to expand our capabilities while preserving the

hands-on, detail-oriented culture that has defined us from the start.

Our Foundation: Experience Meets Evolution.

Our history is built on a dual timeline: 14 years of proven market presence and 9 years of formalized, structured growth. This unique background means we bring the seasoned insight of industry veterans together with the agile, client-focused approach of an established firm. Our team is organized unit of licensed engineers, certified technicians, and project managers combines decades of collective field experience with a forward-thinking mindset.



CEO MESSAGE

"Built on Trust, Driven by Purpose."

I'm Muhammad Afzal, and I have the privilege of leading Custom Engineering (Pvt) Ltd. To our valued customers: Thank you. Your trust inspires everything we do.

For over a decade, we have built this company on three simple principles: Thoughtfulness, transparency, and genuine care. Those values have not changed. What has grown is our team dedicated people who turn complex MEP challenges into elegant solutions.

We see ourselves as your partners. Not just specialists. Together, we create spaces where life thrives, businesses succeed, and communities flourish.

Our Commitment: Earn your confidence every time. Through curiosity, constant improvement, and putting your needs at the center.

Honoured to lead this team. Excited for what we will build next.



Muhammad Afzal

Founder & CEO | Custom Engineering (Pvt) Ltd.

Mission & Vision

Our Mission is to be the trusted partner for MEP solutions, where speed, sustainability, and unwavering safety converge. We engineer environments that enhance business performance and prioritize human comfort and safety, delivering complete satisfaction.

We fulfill this mission by:

- Exceeding Expectations through problem solving and value-engineered solutions.
- Imposing Advanced Technology and industry best practices to enhance project efficiency, sustainability, and performance.
- Cultivating Exceptional Partnerships built on transparent communication, unwavering responsiveness, and a steadfast commitment to our clients' success.



BUSINESS ETHICS : Honesty - Dedication



Vision:

To become the leading, reliable MEP contractor providing sustainable solutions from simple to complex design, installation and maintenance services in Pakistan.

CORE VALUES:

Anticipate: We see challenges coming and act first, innovating to exceed expectations.

Collaborate: We communicate openly, listen well, and share knowledge to grow together.

Commit: We keep every promise and partner until success is achieved.

Integrity: We are honest in all we do, with zero tolerance for unethical conduct.

**Let's Build a Smarter, Safer,
& More Efficient Future Together.**

**"FROM STEEL FRAME
TO TENSILE SKIN – WE INSTALL IT ALL"**





SCOPE OF BUSINESS

BUSINESS Expertise

With Hands-on Experience In MEP Projects, Custom Engineering (Pvt) Ltd. Ensures:

- High-quality workmanship.
- Use of modern tools & techniques.
- Energy-efficient system solutions.
- Compliance with industry standards.



**Your single source for safe, comfortable,
and smart environments.**



Value Engineering

Comprehensive MEP Solutions from Concept to Completion.

At Custom Engineering, we provide end-to-end MEP services that blend with functionality, and sustainability. Whether you're envisioning a modern home, a commercial landmark, or an innovative urban space, we bring expertise and precision to every project.

Future-Ready Systems

Forward-thinking MEP solutions for energy efficiency and evolving building technology.

Your Vision, Engineered

Consultative, code-compliant MEP design matching your needs and budget.

High-Performance Engineering

Energy modeling, load calculations, and sustainable strategies—performing today, adapting tomorrow.

Future-Proof Engineering

Scalable MEP systems with built-in capacity for expansion, upgrades, and changing needs.





Your Partner for Smarter MEP Infrastructure

We deliver integrated MEP solutions that keep your building running smoothly. At Custom Engineering (Pvt) Ltd., Our expertise in mechanical, electrical, plumbing and firefighting systems ensures optimal functionality, energy savings, and long-term reliability.

Why choose Custom Engineering (Pvt) Ltd.?

- Skilled & Experienced Team
- On-Time Project Completion
- Competitive Pricing
- Customer-Focused Approach
- Reliable After-Sales Support

Business Approach

- **Core Infrastructure Powered by Teams**

We combine teamwork and technical excellence to build high-performing systems that feel effortless.

- **Client-Centric Approach**

Your vision, engineered. We align every MEP detail with your goals through close collaboration. Systems built to reflect your aspirations and deliver uncompromising performance.

- **Eco-conscious MEP Engineering**

We integrate eco-conscious strategies at every stage prioritizing energy efficiency, sustainable materials, and minimal environmental impact to create lasting buildings that harmonize with their surroundings.

- **Adaptability MEP Engineering**

Our MEP solutions evolve with the world. We deliver flexible, future proof infrastructure that adapts to changing technology, usage, and energy demands modular, scalable, and tomorrow ready.



Our Services

We provide complete MEP solutions, including:

- Installation of split units, ducted systems, and VRF/VRV systems. Electrical, Plumbing, Firefighting, CCTV Installation and maintenance.
- Testing & Commissioning.
- Maintenance & Annual Service Contracts.
- Troubleshooting & Repairing.
- Copper Piping & Insulation Work.
- System Design & Project Execution.



Our zero-defect build is backed by a 1-year free maintenance guarantee. Our expert team provides proactive and corrective care, trained in the latest technologies to protect your investment.

Sectors In MEP Solutions

MEP Solutions covers Mechanical, Electrical, Plumbing, and Fire Protection sectors, serving markets from commercial buildings to data centers with tailored HVAC, power, water, and safety systems. Professional MEP maintenance by Custom Engineering ensures long-term reliability, risk mitigation, and operational efficiency through dedicated multi-disciplinary teams and comprehensive service contracts.



01

MECHANICAL

HVAC System
Central Chiller
VRF System
Split type system
BMS / CMS

02

ELECTRICAL

Medium & High Voltage
Low & extra-low Voltage
Main panels
Lighting
Generator
Earthing & Lightning
Data & Telephone
CCTV & Security

03

PLUMBING

Plumbing PPRc water line
Sanitary
Sewage UPVC
Water Treatment RO
(STP, WWTP)

04

FIRE FIGHTING

Fire Alarm
Sprinkler
Hosereel
Foam Fire Fighting
Gas suppression
(FM 200, CO2)

05

Services

Gas Piping
Gas Tank Installation
Process Ventilation
Process Cooling Water
Utility Piping
(Steam, Compressed Air)
Home & Office Renovation

06

Operations & Maintenance

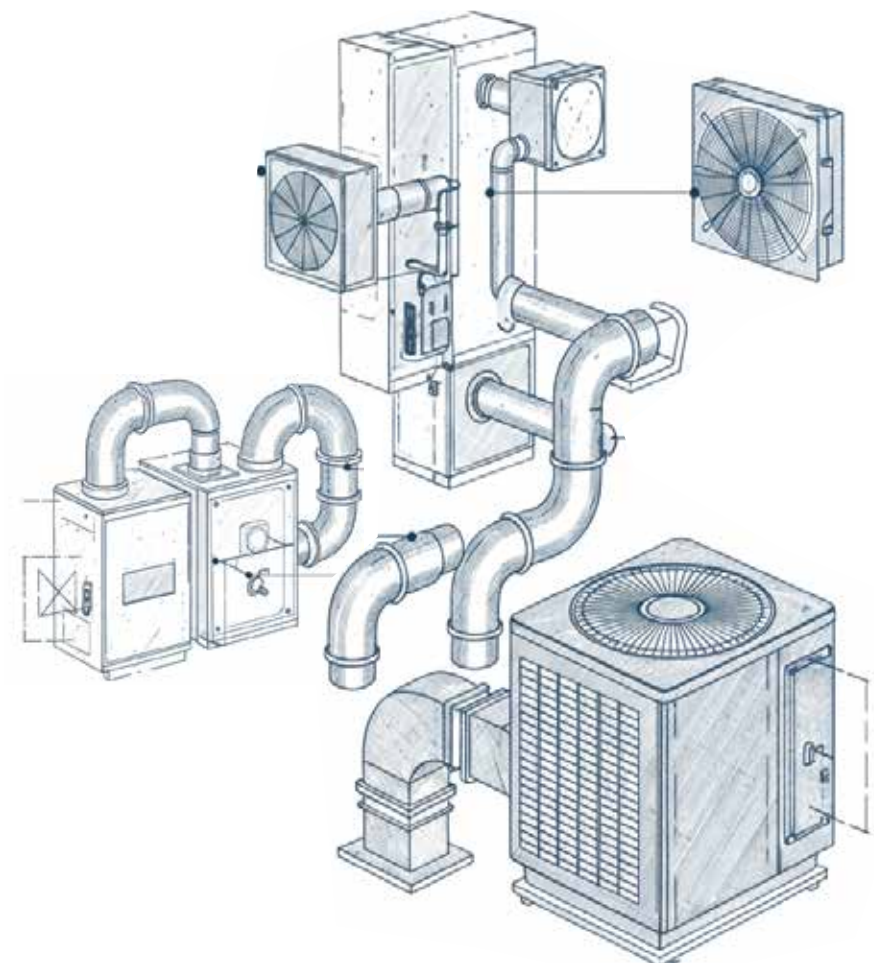
Offers 24/7 MEP operation and system comprehensive and preventive maintenance services Quarterly yearly contract

ORGANIZATION & RESPONSIBILITY



ORGANIZATION CHART





03

DIRECTORS



03

DESIGNERS



03

MANAGERS



10

BACK OFFICE



07

SITE ENGINEERS



30

SKILLED WORKERS



56

ALL TEAM



15

SUBCONTRACTORS/
SUPPLIERS

Key Persons



Ch. Muhammad Afzal
Founder & CEO

The Founder & CEO of Custom Engineering (Pvt) Ltd. a visionary leader driving innovation and growth With a passion for excellence, they steer the company towards success, fostering a culture of quality and customer satisfaction.



Ms. Mehnaz Ashraf
Director

Ms. Mehnaz, Director of Custom Engineering (Pvt) Ltd. is a respected figurehead providing nominal oversight. She lends expertise to key decisions, ensuring continued success.



Ms. Syeda Aymen
Director of Operations

Ms. Aymen ensures operational efficiency, on-time project delivery, and quality standards across all MEP divisions, driving seamless coordination and project success from start to finish.



Mr. Muhammad Ajmal
Operations Manager

Handles ground-level operations, subcontractor coordination, and daily project execution to ensure smooth, efficient MEP delivery.

Quality Management System

Quality Commitment:

At the heart of our business is an unwavering commitment to quality, driven by our fundamental respect for our customers. We aim not only to meet but to exceed client expectations through every Custom Engineering (Pvt) Ltd. services we deliver.

Our dedication is embedded in a robust Quality Management System, which provides the framework for continuous improvement.

This system is powered by:

Customer Voice: Actively gathering and monitoring feedback, reviews, and complaints.

Empowered Team: Investing in the ongoing training and development of our employees.



Measured Processes: Conducting periodic internal audits and measuring quality goals aligned with our business objectives.

Leadership Review: Ensuring top management regularly reviews all audit results and customer insights to drive strategic enhancements.

Safety Management

SAFETY POLICY

Custom Engineering (Pvt) Ltd. is committed to providing a safe workplace for all. Safety is our top priority and is integrated into every phase of our Custom Engineering (Pvt) Ltd. work from design to field service. Our goal is zero harm.

Core Principles:

Leadership & Accountability: Managers are responsible for safety. All employees must follow safe work practices and have the duty to stop unsafe acts.

Hazard Control: We proactively identify and control risks using the hierarchy of controls (Eliminate, Substitute, Engineer, Administer).

Design Safety: Inherent safety is engineered into our designs from the start, following recognized standards.

Safe Work: Formal procedures and permits (confined space, hot work, etc.) govern high-risk activities.

Competence: We provide the training needed to work safely.

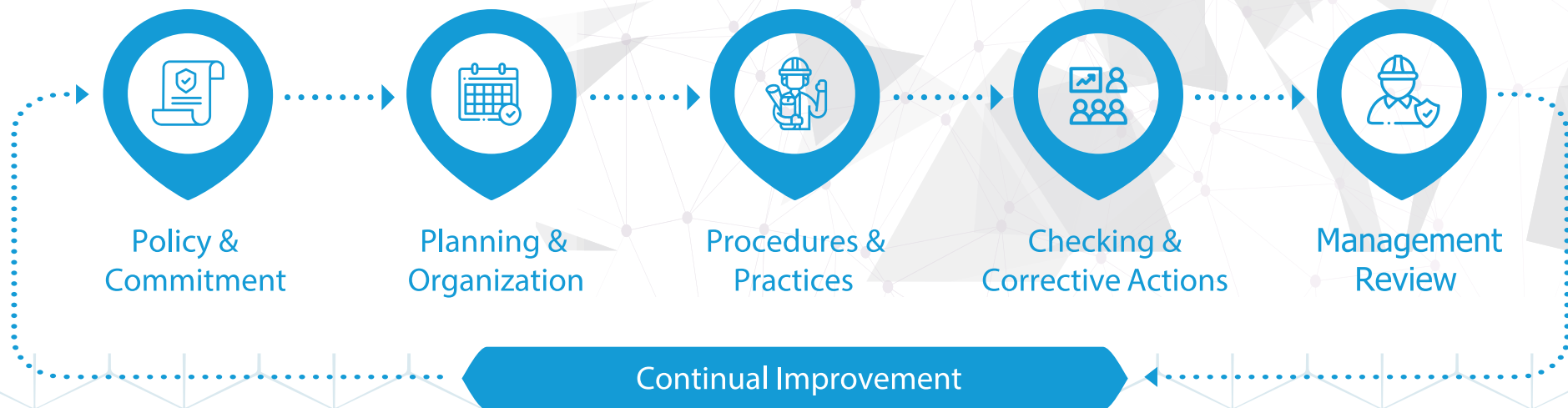
Learning: All incidents and near misses are reported and investigated to prevent recurrence.

Contractors: Contractors must meet our safety standards.

All Personnel are required to uphold this policy daily.



Founder & CEO | Ch.Muhammad Afzal



2016 REVENUE



**2025
GROWTH**

PERFORMANCE



Business Sectors

We Focused on What Matters to You.

As a trusted companion, we support your business development and provide outstanding talents to focus on a deep knowledge of the sectors in which your business works.

The understanding of the particular problems related to different sectors make us a preferred partner of different businesses aiming at leading position on their market.



REGULAR CLIENTS

- Precision Dx Cooling Units Data Center.
- Corporate & Technology.
- Government & Institutional.
- Healthcare.
- Commercial & High-rise.
- Residential & Township Development.
- Hospitality & Dining.
- Event & Marquee Venues.
- Operation And Maintenance Services.
- Tensile & Steel Fabrication.
- Superior Aluminum Framing & Glass Installation for Modern Construction.

BUSINESS REPORT

ANNUAL REVENUE & PROFITABILITY:

Over the past five years, we have driven significant improvement across all key operating and financial metrics. Our strong commitment to strategic priorities has delivered excellent results in both profitability and annual revenue. This success was achieved through our focused efforts in:

Sharpening Our Strategic Profile:

We intensified our focus on the safety, schedule, and efficiency of every project.

Accelerating Innovation:

We leveraged science and technology to anticipate and adapt to evolving construction trends.

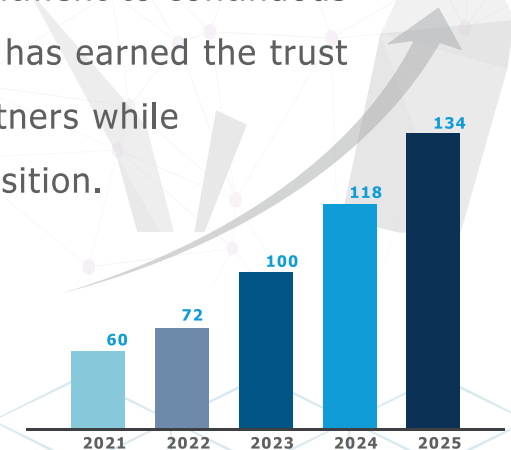
Leading in Sustainability:

We proactively implemented sustainable practices in our projects wherever, technically and financially viable, ensuring substantial progress.

PROJECT SIGNED

Over the past five years, Custom Engineering (Pvt) Ltd. has steadily increased its number of signed projects. By maintaining a strong technical record, good reputation, and commitment to continuous improvement, the company has earned the trust of many customers and partners while strengthening its market position.

Moving forward, we aim to expand our presence in commercial, hospitality, and residential real estate, while retaining our expertise in the industrial market.



Recognition

CONSTRUCTION CAPABILITY:

Pakistan Engineering Council Islamabad city has issued Licence of Pakistani Constructor Licence No. 79939, signed on November 10, 2022 for Custom Engineering (Private) Limited to recognize the capacity in the field of Design consultancy and inspection activities Supervision Construction work.



ACCREDITATION:

We are fully registered with the SECP, FBR, reflecting our dedication to transparency, legal compliance, and the industry best practices you can trust.



Recommendation Letters/ Certificates

We are appreciated by the clients for successfully maintaining the efficiency of project development, adhering to the quality and standards required for the delivery of projects as well as paying attention to the details and specificities of the work.



Custom Engineering
Office # 10, LG Floor, Aslam Business Square,
E-11/2 Markaz, Islamabad.

Subject: **Acceptance of Completed VRF HVAC System Installation Project for DGP**

Head Office Islamabad.

Dear Mr. Afzal,

We are pleased to acknowledge that the project was executed in accordance with the specified requirements.

Project Details:

Project Scope: Design, supply, installation, and commissioning of VRF HVAC system for the project.

Completion Date: 05-11-2021

System Performance: The system is performing well and meets the specified requirements.

Acceptance:

We hereby accept the completed project and its performance.

Warranty and Support:

We understand that Custom Engineering Company will provide the necessary support and maintenance for the system.

Appreciation:

We appreciate the hard work and dedication of your team in completing this project.

Kind Regards,
Faisal Khan
Manager Projects

Serial Office- 178-B, Sheraton-Hill, Islamabad
Regional Office- Sector 10, 1st Floor, Islamabad



OPERATION & MAINTENANCE

Scope of Work:

Custom Engineering Company will provide regular maintenance and inspection of the VRF HVAC system for the Royal Mall Residence project, including troubleshooting and repair of faults.

Terms:

Project: Royal Mall Residence
Client: Rajgan Builders & Developers
Contractor: Custom Engineering Company
Contract Value: PKR 2.0 million and above
The contract will be valid for 1 year from the date of completion.

Payment Terms:

The annual contract value of PKR 2.0 million will be paid in advance.

Responsibilities:

Both parties will fulfill their respective responsibilities.

Sincerely,
Saad Abbasi
Director

Head Office:
Office #04, Ground Floor, State Life Building #07
Phone No: 051-2826643-4



Dear Sir,

This is to certify that Custom Engineering has successfully completed the VRF HVAC system installation project for the Sukh Chayn Residence. The project has been completed within the specified timeline.

System Performance:

The system has been tested and commissioned, and the quality of work and the performance of the system are satisfactory.

Project Name: Sukh Chayn Residence VRF
Capacity: Approximately 3000 Tons
Contractor: Custom Engineering

Acceptance:

We hereby accept the completed project and its performance.

Authorized Signature:
Malik Riaz Hussain
Executive Director
Extreme Engineering System

Head Office:
Office #655, Street #41, E-11/3, Islamabad. Ph No. 051-2222-2222
Corporate Office:
65-E, Pak Pavilion Plaza, Mezzanine Floor, Fazaal e Haq Road, Blue Area, Islamabad.
Ph: 051-2348316, Fax: 051-2348318
Regional Office:
DHA Villa's, villas, Street #9, Phase 1 (Ex Park View) DHA, Islamabad.
Ph: +92-(42)-371-1111



To,
Custom Engineering
Office #10, LG Floor, Aslam Business Square,
E-11/2 Markaz, Islamabad.

Dated: 04-June-2025

Subject: **Acceptance of Completed VRF HVAC System Installation Project for DGP**

Dear Mr. Afzal,

We are pleased to acknowledge the successful completion of the VRF HVAC system installation project for the Directorate General Procurement (Army). The project was completed within the specified timeline and the system is performing well.

Project Details:

- Project Scope: Installation and commissioning of VRF HVAC system.
- Completion Date: 05-11-2021
- System Performance: The system is performing well and meets the specified requirements.

Acceptance:

We hereby accept the completed project and its performance.

Appreciation:

We appreciate the hard work and dedication of your team in completing this project.

Kind Regards,
Khalid Shafiqullah
General Manager
Dynamic Equipment & Controls

Head Office: Plot # 8, E-11/3, Street # 10, Islamabad
North Office: 421-C, Avenue 1, Street 1, Westridge 1, Islamabad
South Office: House # P-27, Block 2, PAF-C-14, Islamabad
E: info@dec.com.pk W: www.dec.com.pk



**GENERAL HEADQUARTER,
DIRECTORATE GENERAL PROCUREMENT (ARMY)**

CERTIFICATE OF APPRECIATION

I hereby express my sincere appreciation to Mr Muhammad Afzal CEO of Custom Engineering (Pvt) Ltd, in recognition of his professional approach, untiring efforts in the installation of local works of HVAC, over all conduct as a team and completion of project to my entire satisfaction. Mr Muhammad Afzal and his team deserve a very high appreciation for the job done which was a very uphill task. Custom Engineering (Pvt) Ltd is a trustworthy organization which can be entrusted with any kind of job as per its job card.

Rawalpindi Cantonment
20 April 2022

Colonel
Deputy Director Project
Director General Procurement (Army)
(Ghulam Mustafa Khan)

OUR CLIENTS

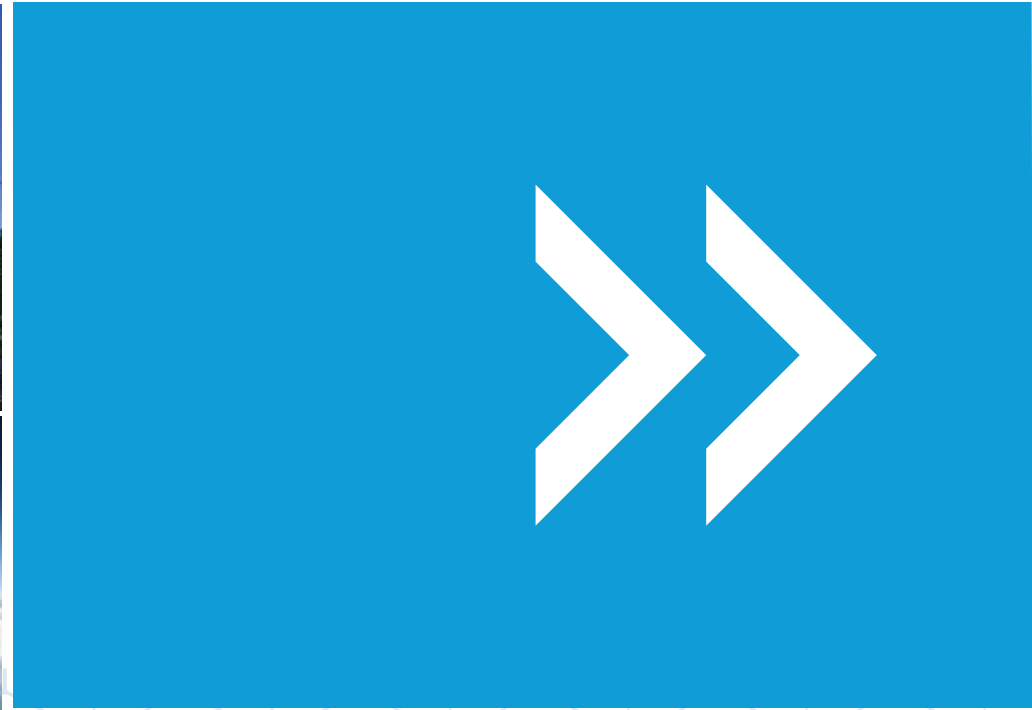


OUR PARTNERS



REFERENCES

MEP EXPERTISE PROJECTS



Telenor MSC

I9, Islamabad

CLIENT:

SECTOR:

SCOPE OF WORK:

Telenor

Corporate

Precision DX cooling
units data center

PROJECT DESCRIPTION:

Custom Engineering (Pvt) Ltd. successfully installed Precision DX cooling units at Telenor's MSC I9 data center in Islamabad. The deployment featured high-sensible heat ratio (SHR) direct expansion systems tailored for the facility's critical telecom loads. Designed with inverter-driven compressors and advanced monitoring interfaces, the units now deliver reliable, energy-efficient cooling to maintain strict temperature and humidity tolerances for Telenor's network infrastructure.



telenor

Mari Petroleum Company Limited

Islamabad

CLIENT:

MPCL

SECTOR:

Corporate

SCOPE OF WORK:

Precision DX cooling
units data center

PROJECT DESCRIPTION:

Custom Engineering (Pvt) Ltd. has successfully installed Precision DX cooling units at Mari Petroleum Company Limited's data center. These high-sensible heat ratio (SHR) direct expansion systems are specifically engineered to meet the critical cooling demands of the company's petroleum exploration and production IT infrastructure. Equipped with inverter-driven compressors and advanced environmental monitoring capabilities, the units maintain precise temperature and humidity control, ensuring optimal performance and reliability for Mari Petroleum's mission-critical data center operations.



OGDCL Head Office

Islamabad

CLIENT:

SECTOR:

SCOPE OF WORK:

OGDCL

Corporate

Precision DX cooling
units data center

PROJECT DESCRIPTION:

Custom Engineering (Pvt) Ltd. deployed Precision DX cooling units at OGDCL Head Office's data center. These high-sensible heat ratio systems utilize inverter-driven compressors and smart environmental sensors to deliver stable temperature and humidity regulation for the company's essential IT infrastructure.



Zong Headquarter

Islamabad

CLIENT:

SECTOR:

SCOPE OF WORK:

Zong Pakistan
Corporate

Precision DX cooling
units data center

PROJECT DESCRIPTION:

Custom Engineering (Pvt) Ltd. installed Precision DX cooling units at ZONG's data center. These high-sensible heat ratio systems utilize inverter-driven compressors and smart environmental sensors. They deliver stable temperature and humidity regulation. This ensures optimal performance and reliability.

ZONG's mission-critical IT infrastructure now operates with maximum efficiency.

ZONG 4G
A NEW DREAM

F3 Technologies

Islamabad

CLIENT:

Brig. Zulfiqar

SECTOR:

Corporate

SCOPE OF WORK:

HVAC : Supply &
Full Installation

PROJECT DESCRIPTION:

During the F3 Technology project in Islamabad, Custom Engineering(Pvt) Ltd. supplied a complete HVAC system with split units, ducted components, refrigerant piping, condensate drains, grilles, diffusers, thermostats, and full electrical integration using brand name equipment. The client gave strong approval after leak testing, pressure checks, airflow validation, and final commissioning. Despite a live tech office environment, the job finished exactly on time with no post-handover problems, positioning the firm as a reliable HVAC partner for commercial clients.



Metallon Delta Corporation (MDC)

Islamabad

CLIENT:

MDC

SECTOR:

Corporate

SCOPE OF WORK:

VRF full Supply &
Installation



PROJECT DESCRIPTION:

At Metallon Delta Corporation, Custom Engineering (PVT) Ltd. installed a full VRF system with outdoor compressors, indoor fan coils, insulated refrigerant lines, drip trays, smart controllers, and electrical tie-ins for zoned, quiet, and efficient climate control. The client gave complete approval. Despite technical challenges, delivery happened exactly on schedule with no faults, solidifying the firm's name as a VRF specialist for commercial and industrial clients.

Air Blue - Airline

Islamabad

CLIENT:

Air Blue

SECTOR:

Corporate

SCOPE OF WORK:

Complete Vrf & Networking

PROJECT DESCRIPTION:

When Custom Engineering (Pvt) Ltd. took on Air Blue's Islamabad office, they installed a VRF system with outdoor condensers, indoor fan coils, refrigerant lines, insulation, drip drains, electrical hookups, and zoning controls, plus CAT6 and fiber cabling, patch panels, switches, terminations, and signal testing for networking. The client approved after leak checks, pressure trials, and continuity verifications. Even with both trades inside a live workspace, the crew finished on schedule with no post-handover issues, boosting their standing for specialized low current work.



Pakistan Telecommunication Authority

Islamabad



CLIENT:

IMS

SECTOR:

Government

SCOPE OF WORK:

A Robust Illumination System
Designed To Enhance Site Safety
& Perimeter Surveillance

PROJECT DESCRIPTION:

Inside PTA Islamabad premises, Custom Engineering (Pvt) Ltd. completed security lighting with high-lumen LED floodlights, motion sensors, pole-mounted and wall-mounted fixtures, cabling, circuit breakers, weatherproof boxes, and central control panels placed to eliminate dark zones following security protocols. The client signed off after illumination tests, sensor calibration, waterproofing checks, and load balancing. Despite working within an active government facility with access restrictions, the team delivered on time with zero defects, boosting their reputation for specialized security lighting solutions.

Pakistan Bait-ul-Mal

Islamabad

CLIENT:

Pakistan Bait-ul-Mal

SECTOR:

Government

SCOPE OF WORK:

MEP successfully executed the Supply & Installation of Air Conditioning systems.

PROJECT DESCRIPTION:

At Pakistan Bait-ul-Mal, Custom Engineering (Pvt) Ltd. installed air conditioning systems with cooling units, refrigerant piping, condensate drains, ductwork, grilles, thermostats, and electrical integration serving offices, beneficiary areas, and storage rooms. The client signed off following leak checks, pressure tests, airflow balancing, and commissioning. Despite non profit budget limits, the team delivered on time with zero defects, reinforcing their reputation as a socially responsible HVAC contractor for national welfare groups.



Directorate General Purchase (DGP)

Islamabad

CLIENT:

SECTOR:

SCOPE OF WORK:

DGP

Government

HVAC Complete Design,
Supply, And Installation



PAK ARMY

PROJECT DESCRIPTION:

Custom Engineering (Pvt) Ltd. installed the HVAC system at Directorate General Defence Purchase, Pakistan Army, Islamabad. The scope included heating/cooling units, insulated refrigerant piping, ductwork, grilles, thermostats, and electrical integration. The client approved the work pressure testing, airflow balancing, and commissioning.

Stock Exchange

Islamabad

CLIENT:

Multiple Clients

SECTOR:

Government/Private offices

SCOPE OF WORK:

Supply And Installation Of
Air Conditioning Systems
Across Multiple Offices



PROJECT DESCRIPTION:

For multiple offices at the Stock Exchange, Islamabad, Custom Engineering (Pvt) Ltd. supplied AC systems with cooling units, insulated refrigerant piping, condensate drains, ductwork, grilles, individual thermostats, and electrical integration with circuit protection based on per-office occupancy and heat load assessments. The client approved after leak detection, pressure testing, airflow balancing, thermal validation, and commissioning. Despite security protocols and live trading operations, the team delivered on schedule with zero defects or interruptions.

NADRA

Lahore

CLIENT:

SECTOR:

SCOPE OF WORK:

KGC

Government

Delivered A Fully
Integrated Hvac
System



PROJECT DESCRIPTION:

Custom Engineering (Pvt) Ltd. installed the HVAC system inside the NADRA office in Lahore, covering cooling units, refrigerant lines, ducting, grilles, thermostats, and electrical tie-ins. The client approved all pressure testing, airflow balancing, insulation testing, polarity checks, earth loop measurements, and commissioning tests.

Ministry of Foreign Affairs

Islamabad

CLIENT:

SECTOR:

SCOPE OF WORK:

Ministry of Foreign Affairs
Government

Full Hvac Chiller Operation
& Maintenance

PROJECT DESCRIPTION:

At Pakistan's Ministry of Foreign Affairs, Custom Engineering (Pvt) Ltd. won the HVAC chiller O&M contract delivering full heating/cooling systems, ductwork, thermostats, and electrical protection for offices and secure halls. Despite high security, the team completed leak tests, balancing, and commissioning on time with zero defects, earning client praise and strengthening their reputation for diplomatic projects.



SAFARI ZOO

Lahore

CLIENT:

SECTOR:

SCOPE OF WORK:

KGC

Government

Delivered A Fully
Integrated Hvac
System



PROJECT DESCRIPTION:

Custom Engineering (Pvt) Ltd. successfully completed the installation of a fully integrated HVAC system for the Cinema 7D & Moving Theatre located at Safari Zoo, Lahore, on behalf of the client, KGC. The scope of work encompassed the complete supply and installation of cooling units, refrigerant lines, ducting, grilles, thermostats, and all requisite electrical tie-ins, establishing a benchmark for quality and execution in themed entertainment HVAC applications. Following the successful completion of all prescribed procedures including pressure testing, airflow balancing, insulation testing, polarity checks, earth loop measurements, and comprehensive system commissioning. The client, KGC, formally approved the entire installation against this benchmark.

Helping Hand (NGO)

Islamabad

CLIENT:

Helping Hand (NGO)

SECTOR:

Health care

SCOPE OF WORK:

A Comprehensive Upgrade
& Installation Project

PROJECT DESCRIPTION:

At Helping Hand NGO in Islamabad, Custom Engineering (Pvt) Ltd. performed electrical rewiring with new panels, LED fixtures, switches, outlets, grounding, and dedicated circuits, plus AC units, refrigerant lines, drip drains, electrical tie-ins, surface prep, painting, repairs, and a suspended ceiling system with framing and panels. The NGO praised the overall quality and coordination. Despite working inside an active office, delivery occurred exactly on time with zero defects, boosting the firm's credibility for multi-trade institutional projects.



Pak Aid (NGO)

Islamabad

CLIENT:

Pak Aid (NGO)

SECTOR:

Health Care

SCOPE OF WORK:

MEP Residential Retrofit



PROJECT DESCRIPTION:

Pak Aid NGO chose Custom Engineering (Pvt) Ltd. for their Islamabad residential facility's MEP needs, including cooling units, ductwork, controls, electrical panels, LED fixtures, grounding, surge protection, potable water lines, waste drainage, and sanitary fittings. The NGO appreciated the craftsmanship and speed, with every subsystem passing testing without issue. Completion arrived exactly on schedule, letting the facility launch its mission promptly and proving that MEP work can be both technical and compassionate.

Al-Khidmat Razi Hospital

Islamabad

CLIENT:

Mr. Zahid

SECTOR:

Health care

SCOPE OF WORK:

Complete VRF
System Installation For
Hospital

PROJECT DESCRIPTION:

Al-Khidmat Razi Hospital entrusted Custom Engineering (Pvt) Ltd. with a complete VRF system for their lab zones, wards, OT, OPD including outdoor condensers, indoor fan coils, insulated refrigerant lines, condensate drains, central digital controllers, and electrical hookups with dedicated protection. The setup was finely tuned for stable temperatures, precise humidity, low noise, and 24/7 energy efficiency. The hospital confirmed full satisfaction, and despite an active medical facility, the team finished on schedule with no flaws, demonstrating their expertise in sensitive healthcare VRF solutions.



PAF Hospital

Islamabad

CLIENT:

PAF

SECTOR:

Health care

SCOPE OF WORK:

Encompassing
Hvac Installation,
Aluminum Fabrication
Fitting & Custom Wood Crafting



PROJECT DESCRIPTION:

Within PAF Hospital, Islamabad, Custom Engineering (Pvt) Ltd. completed HVAC work with cooling units, insulated refrigerant lines, ductwork, grilles, thermostats, and electrical integration, along with aluminum frames, window sections, partitions, cladding, and custom wood cabinetry, counters, paneling, and furniture. The hospital signed off performance tests and inspections. Even with infection control protocols in an active medical facility, the team finished on time with no post-handover issues.

Centaurus Mall

Islamabad

CLIENT:

SECTOR:

SCOPE OF WORK:

Different clients

Commercial

Garbage Chute,
HVAC Installation
Services

PROJECT DESCRIPTION:

Custom Engineering (Pvt) Ltd. successfully executed the Garbage Chute Installation at Centaurus Mall, ensuring an efficient and hygienic waste disposal system throughout the high-rise building. In addition to the chute system, the company also provides comprehensive HVAC services and installation for various international and local brands operating within Centaurus Mall. From maintaining optimal cooling for retail stores to installing climate control systems for restaurants and common areas, Custom Engineering (Pvt) Ltd. delivers tailored mechanical solutions that meet the unique demands of each commercial tenant in one of Islamabad's most prominent landmarks.



LAMAR Tower, E-11,

Islamabad

CLIENT:

Mr. Haji Naeem

SECTOR:

Commercial

SCOPE OF WORK:

Full MEP Installations

PROJECT DESCRIPTION:

LAMAR Tower in E-11, Islamabad, Custom Engineering (Pvt) Ltd. installed MEP, electrical, plumbing & fire fighting system. Electrical covered main panels, distribution boards, LED lighting with backup, earthing, surge protection, fire alarm integration, and dedicated circuits. Plumbing included water supply, hot water recirculation, drainage, venting, sanitary fixtures, and rainwater disposal. The client approved all work, and the high-rise opened on schedule with zero defects.



Royal Mall Bahria Enclave

Islamabad

CLIENT:

Mr. Saad Abassi

SECTOR:

Commercial

SCOPE OF WORK:

HVAC Installation

PROJECT DESCRIPTION:

At Royal Mall, Islamabad, Custom Engineering (Pvt) Ltd. installed a complete HVAC system featuring efficient cooling units, refrigerant lines, ductwork, grilles, and zone thermostats. Following thorough testing and commissioning, the client approved the work. The busy mall remained fully operational throughout the installation process, and no post-handover issues were reported.



Galaxy Riveria.

Islamabad

CLIENT:

KPZ

SECTOR:

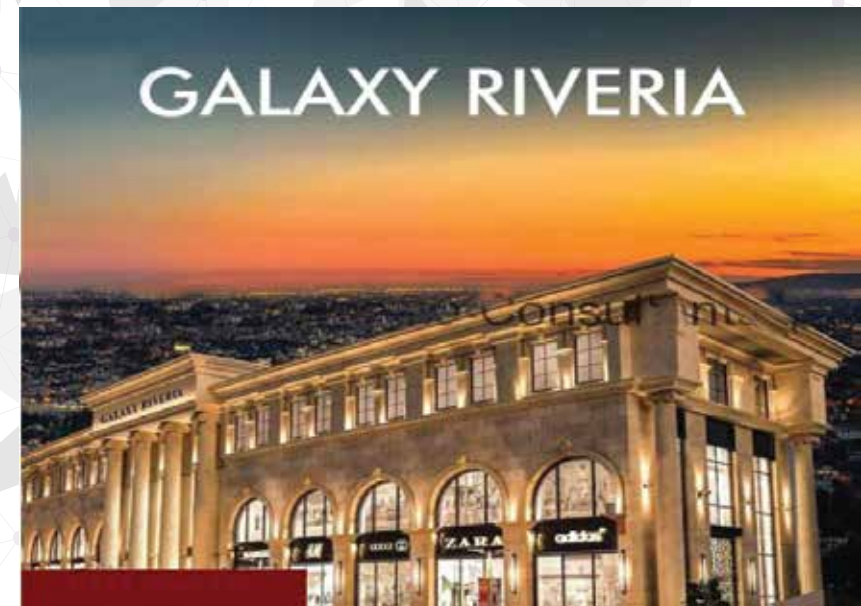
Commercial

SCOPE OF WORK:

Complete MEP Solutions
with Integrated HVAC

PROJECT DESCRIPTION:

At Galaxy Riveria, Bahria Phase 8, Islamabad, Custom Engineering (Pvt) Ltd. installed full HVAC, electrical, and plumbing. HVAC included efficient cooling units, refrigerant lines, ductwork, grilles, and smart controls. Electrical covered main panels, sub-boards, wiring, LED lights, earthing, and surge protection. Plumbing included water supply, drainage, venting, and sanitary fixtures. The client approved the work, and the luxury development launched on schedule without a single defect.



Mithaq Height

Islamabad

CLIENT:

Mr. Aziz-Ur-Rehman

SECTOR:

High Rise

SCOPE OF WORK:

Complete Lift, Electrical
& Plumbing Installation

PROJECT DESCRIPTION:

At Mithaq Heights, Custom Engineering (Pvt) Ltd. delivered a complete lift system with smooth acceleration and safety interlocks, plus electrical panels, lighting, grounding, dedicated feeders and pressurized hot/cold water lines with drainage and vent piping. Quality checks included hydrostatic pressure tests, insulation resistance checks and full-load lift trials. The client confirmed satisfaction, and all three systems worked perfectly from day one without any post-handover issues.



Al-Nasar Height

Islamabad

CLIENT:

Mr. Aziz-Ur-Rehman

SECTOR:

High Rise

SCOPE OF WORK:

Installation Of Lift,
Electrical & Plumbing
Systems

PROJECT DESCRIPTION:

Custom Engineering (Pvt) Ltd. executed lift, electrical and plumbing systems with technical precision and full code compliance. The lift operated smoothly across all levels, electrical covered power distribution, lighting, panel wiring and load balancing, while plumbing included water supply, drainage and sanitary fixtures without leaks. The client formally acknowledged full satisfaction and all three systems integrated seamlessly with no post installation defects.



Zara Heights

CLIENT:

Air Commodore Javed

SECTOR:

High Rise

SCOPE OF WORK:

Complete
Electrical Installation

PROJECT DESCRIPTION:

Custom Engineering (Pvt) Ltd. delivered electrical work including panels, wiring, lighting, sockets, earthing, surge protection and dedicated circuits, plus split AC units with refrigerant piping, condensate drains, thermostats and hookups. Quality checks covered insulation testing, polarity verification, leak detection, pressure testing and performance trials. The client praised the coordination and despite the high-rise setting, the team finished on time, strengthening their premium development reputation.



Residential & Township Development

Islamabad & Rawalpindi

CLIENT: Resident Individual/Developers

SECTOR: Residential

SCOPE OF WORK: Full MEP Installations for Residential Properties

PROJECT DESCRIPTION:

HVAC Systems:

- Installation of energy-efficient cooling units with optimized refrigerant lines.
- Precision-engineered ducting and air grilles.
- Advanced zoned temperature control systems for enhanced indoor comfort.

Electrical Infrastructure:

- Distribution panels and heavy-duty cabling systems.
- Energy-efficient LED lighting with full grounding and surge protection.
- Dedicated circuits for critical residential loads.
- Complete community main wiring infrastructure.
- Fully wired streetlight poles for public area illumination.
- High Tension (HT) and Low Tension (LT) panels for power distribution.



Plumbing & Sanitary Works:

- Comprehensive water supply and distribution networks.
- Fully integrated drainage systems with venting.
- High-quality sanitary fixture installations.
- Complete sewage main systems for residential communities.

External Civil Works:

- Professional road marking for safety and traffic management.
- Full infrastructure Poles lighting to enhance community security.

Quality Assurance & Performance Record:

All installations meet industry codes. Homeowners consistently praise our work. Zero defects every unit passed rigorous third party inspections early.

Golf Club Rawalpindi

Rawalpindi

CLIENT:

COL. Zaigum

SECTOR:

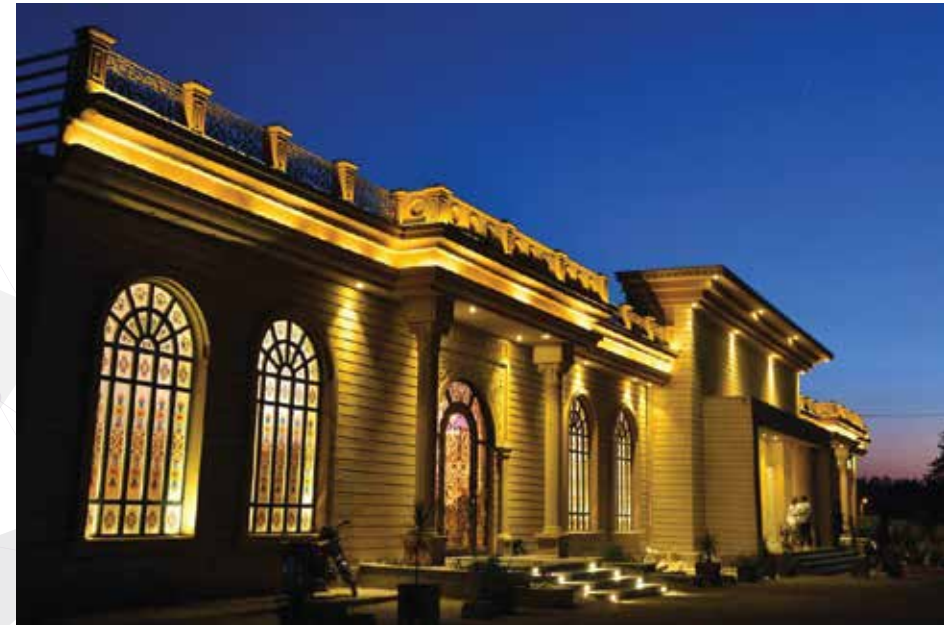
Hospitality

SCOPE OF WORK:

Full HVAC & MEP
Installation

PROJECT DESCRIPTION:

Custom Engineering (Pvt) Ltd. delivered full HVAC, electrical, and plumbing systems. HVAC included cooling units, refrigerant lines, ductwork, grilles and thermostats. Electrical covered panels, cabling, LED lights, outlets, earthing, surge protection and kitchen circuits. Plumbing included water supply, drainage, vents and fixtures. The client approved the work, and both outlets opened on time with no defects across two cities.



Enchanto Restaurant

Islamabad

CLIENT:

Enchanto

SECTOR:

Hospitality

SCOPE OF WORK:

Electrical &
Air Conditioning

PROJECT DESCRIPTION:

Custom Engineering (Pvt) Ltd. delivered electrical and air conditioning systems for Enchanto Restaurant. Air conditioning included cooling units, refrigerant lines, ductwork, grilles, and thermostats. Electrical covered panels, cabling, LED lights, outlets, earthing, surge protection and kitchen circuits. The client approved all work and the restaurant opened on time with no defects.



Waffles

Islamabad & Lahore

CLIENT:

Mr. Ch. Waheed

SECTOR:

Hospitality

SCOPE OF WORK:

Comprehensive
MEP & Interior Renovation
Solution

PROJECT DESCRIPTION:

Custom Engineering (Pvt) Ltd. delivered complete HVAC, electrical, plumbing and interior renovation systems. HVAC included cooling units, refrigerant lines, ductwork, grilles and thermostats. Electrical covered panels, cabling, LED lights, outlets, earthing, surge protection and kitchen circuits. Plumbing included water supply, drainage, vents and fixtures. Interior renovation comprised ceilings, wall cladding, flooring, partitions, and paint. The client approved the work, and all outlets opened on time with no defects across two cities.



Rohtas Marquee

Islamabad

CLIENT:

Mr. Adv. Asim

SECTOR:

Events

SCOPE OF WORK:

Comprehensive HVAC &
Electrical infrastructure solutions

PROJECT DESCRIPTION:

Custom Engineering (Pvt) Ltd. executed HVAC and electrical installations with zero defects, delivering high-capacity cooling systems, insulated ductwork, thermostatic controls, LED lighting, emergency power backup circuits and surge protection. Rigorous quality checks encompassed leak detection, airflow balancing and earth-loop testing, ensuring optimal performance. The project received full client approval and endorsement.



Deep Sky Marquee

Islamabad

CLIENT:

Mr. Raja Azhar

SECTOR:

Events

SCOPE OF WORK:

Comprehensive HVAC
& Electrical infrastructure

PROJECT DESCRIPTION:

Custom Engineering (Pvt) Ltd. delivered high-capacity cooling units with smart ductwork, adaptive thermostats & BMS integration, modular electrical panels, energy-efficient LED lighting, redundant backup circuits and full surge protection.

The project featured advanced HVAC & electrical systems, smart cooling control, modular power distribution, and rigorous testing that ensured zero-defect delivery approved by the client.



Al-Janat Marquee

Islamabad

CLIENT:

Mr. Shaukat Madni

SECTOR:

Events

SCOPE OF WORK:

Comprehensive MEP
Infrastructure & 5 HP Ac Installation For Events

PROJECT DESCRIPTION:

Custom Engineering (Pvt) Ltd. provided a turnkey MEP solution including 5 HP floor standing AC units, electrical panels with LED lighting, earthing & surge protection, and dedicated circuits. Plumbing encompassed water supply, drainage, venting & sanitary fixtures. The venue's systems were commissioned on time with zero defects and full client approval.



Hanif Marriage Hall

Islamabad

CLIENT:

Mr. Shafique

SECTOR:

Events

SCOPE OF WORK:

Complete
Air Conditioning Installation

PROJECT DESCRIPTION:

Custom Engineering (Pvt) Ltd. implemented and installed high capacity AC units, refrigerant circuits, condensate drainage systems, precision ductwork, calibrated grilles, integrated thermostats and comprehensive electrical interconnections. The client affirmed complete satisfaction, ensuring the hall maintains optimal comfort during densely populated assemblies.



Margalla View Marquee

Islamabad

CLIENT:

Mr. Kamir Paracha

SECTOR:

Event

SCOPE OF WORK:

Full Scale Electrical &
Air Conditioning Installation

PROJECT DESCRIPTION:

Custom Engineering (Pvt) Ltd. executed electrical and HVAC installations at Margalla View Marquee Hall, completing the project on schedule. Works included distribution boards, cabling, sockets, grounding, HVAC feeders, cooling units, refrigerant circuits, ductwork and thermostat integration. The client commended the efficiency and flawless post handover performance, enhancing the firm's reputation for reliable commercial engineering services.



Montreal Marquee

Islamabad

CLIENT:

Mr. Shujaat Shah

SECTOR:

Event

SCOPE OF WORK:

HVAC, Electrical,
& 10HP Floor-standing
units & Plumbing System Installation

PROJECT DESCRIPTION:

Custom Engineering (Pvt) Ltd. delivered a complete MEP solution for Montreal Marquee, including HVAC with 10HP floor-standing units, refrigerant lines, ducting, and grilles. The electrical scope covered panels, cabling, lighting, earthing, and dedicated circuits, while plumbing included water supply, drainage, and sanitary fixtures. The project was executed on time with zero defects, showcasing the firm's full-service expertise. This flawless installation earned full client approval, strengthening Custom Engineering (Pvt) Ltd. reputation for reliable commercial engineering services.



Royal Castle

Islamabad

CLIENT:

Mr. Shaukat Alvi

SECTOR:

High Rise

SCOPE OF WORK:

Complete
Electrical Installation

PROJECT DESCRIPTION:

At Royal Castle, Islamabad Heights, Custom Engineering (Pvt) Ltd. handled main switchgear, sub-panels, internal wiring, lighting, sockets, earthing, and high-load circuits. Quality assurance included insulation testing, polarity checks, and load balancing, yielding a defect-free network with no post-commissioning failures. The client was fully satisfied, and despite a live residential setting, the team delivered on time, boosting their name for premium electrical work.



Fun City Giga Mall

Islamabad

CLIENT:

SECTOR:

SCOPE OF WORK:

Fun City Giga Mall

Operation & Maintenance

HVAC System Operation
& Maintenance (O&M)

PROJECT DESCRIPTION:

At Fun City inside Giga Mall, Islamabad, the HVAC backbone provided by A Custom Engineering (Pvt) Ltd. powers this large retail and entertainment hub. Their solutions integrate high capacity HVAC systems with precision climate control tailored for diverse zones from arcade areas to soft play zones.

Custom Engineering (Pvt) Ltd. ensures that every part of Giga Mall receives reliable HVAC service and installation, maintaining optimal indoor air quality and thermal comfort even in high occupancy entertainment spaces. This includes comprehensive HVAC system Operation & Maintenance (O&M).



Excellence in Tensile & Steel Fabrication

Islamabad/ Rawalpindi

Residential, Commercial, And Industrial

Custom Engineering (Pvt) Ltd. excels in tensile and steel fabrication, offering robust structural solutions for residential, commercial, and industrial clients including custom steel structures, tensile membranes, pergolas, canopies, staircases, and heavy duty frameworks. Using high-grade steel and advanced welding. They ensure precision, durability, safety, and aesthetics from design to installation, while clients consistently praise their craftsmanship, timely delivery, and seamless handling of complex requirements.



Superior Aluminum Framing & Glass Installation for Modern Construction

Islamabad/ Rawalpindi

Residential, Commercial, And Industrial

Custom Engineering (Pvt) Ltd. specializes in fabricating and installing aluminum doors, windows, and glass for commercial and residential projects.



Aluminum Work: Sliding/casement windows, swing/sliding doors durable and low maintenance.

Glass Installation: Structural glazing, curtain walls, shopfronts, partitions, shower screens, balustrades, frameless doors.

Project Scope: High rise facades and office partitions (commercial); home windows and balcony railings (residential).



Get in Touch



Custom Engineering (PVT) Ltd.

Office 1, Lower Ground Floor , Mithaq
Height, Street 1, Gulshan-e-Taleem Housing
Society, H 15 Islamabad, Pakistan.



Tel: 0346 6623 279



info@customengineering.com.pk



www.customengineering.com.pk



Thank you
For your Business