



**PERPETUA PRIME**  
TECHNICAL SERVICES LLC

# MEP

## ENGINEERING & CONTRACTING

ELECTRICAL | HVAC | PLUMBING  
FIRE FIGHTING

BUILDING PERFORMANCE  
ENGINEERING EXCELLENCE

DUBAI UAE | SERVING PROJECTS ACROSS THE UAE



# About Us

Perpetua MEP is a trusted engineering partner delivering integrated Mechanical, Electrical, and Plumbing (MEP) solutions for modern buildings and infrastructure. We provide reliable, efficient, and sustainable MEP services across commercial, residential, industrial, hospitality, healthcare, retail, and institutional projects.

Our experienced team combines engineering expertise, advanced technology, and industry best practices to deliver safe, energy-efficient, and high-performance building systems. From design and installation to testing, commissioning, and maintenance, we ensure every MEP system operates seamlessly throughout its lifecycle.

## Why Choose Us



**Experienced  
Professionals**



**24/7  
Support**



**Technology  
Driven**



**Tailored  
Solutions**



# OUR VISION MISSION & VALUES



## VISION

To become a leading MEP engineering partner, delivering innovative, reliable, sustainable, and high-performance building solutions.



## MISSION

To provide safe, efficient, and integrated Mechanical, Electrical, and Plumbing solutions that enhance building performance, optimize energy use, and exceed client expectations.

## CORE VALUES

- **Integrity**

Conducting every project with honesty, transparency, and accountability.

- **Excellence**

Delivering exceptional engineering quality, service, and workmanship.

- **Innovation**

Embracing advanced technologies and smarter engineering solutions.

- **Safety**

Prioritizing the safety of people, systems, and assets at every stage.

- **Sustainability**

Creating energy-efficient MEP systems that support a greener future.

- **Commitment**

Building lasting client relationships through reliability, responsiveness, and consistent performance.

# OUR MEP CAPABILITIES

## ONE TEAM, FOUR CORE ENGINEERING DISCIPLINES

Perpetua Prime provides integrated MEP contracting through four principal engineering disciplines.

### ELECTRICAL

Complete electrical infrastructure for safe, reliable & efficient power distribution.

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- LV electrical systems
- MDB / SMDB / DB installation
- Power distribution
- Cable management
- Lighting systems
- Emergency lighting
- External lighting
- Earthing and bonding
- Lightning protection
- Electrical containment
- Small power systems
- Generator infrastructure
- Transformer-related installation
- Electrical testing & commissioning
- Preventive & corrective maintenance

### HVAC

Climate control solutions engineered comfort, efficiency & demanding UAE conditions.

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- Central air-conditioning systems
- DX systems
- Split and package units
- Chilled-water systems
- AHU systems
- FCU systems
- Ventilation
- Fresh-air systems
- Exhaust systems
- Ductwork
- Chilled-water piping
- Thermal insulation
- HVAC controls
- Testing, balancing & commissioning
- Preventive maintenance

### PLUMBING

Complete water supply, drainage & sanitary systems for modern buildings.

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- Central air-conditioning systems
- DX systems
- Split and package units
- Chilled-water systems
- AHU systems
- FCU systems
- Ventilation
- Fresh-air systems
- Exhaust systems
- Ductwork
- Chilled-water piping
- Thermal insulation
- HVAC controls
- Testing, balancing & commissioning
- Preventive maintenance

### FIRE FIGHTING

Life-safety systems designed for reliable fire protection and emergency response.

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- Fire-fighting piping
- Sprinkler systems
- Fire hydrant systems
- Hose reel systems
- Fire pump systems
- Fire water tanks
- Wet riser systems
- Landing valves
- Fire extinguishing equipment
- Fire pump room installation
- Pressure testing
- Flow testing
- System commissioning
- Maintenance and inspection

# ELECTRICAL ENGINEERING

## POWERING BUILDINGS WITH CONFIDENCE

Comprehensive electrical infrastructure for safe, reliable and efficient power distribution.

- Power Distribution
- Lighting Systems
- Earthing & Lightning Protection
- Cable Management
- Emergency Lighting
- Testing & Commissioning
- Preventive & Corrective Maintenance



LV Systems | MDB / SMDB / DB | Power Distribution | Testing & Commissioning | Maintenance

# HVAC ENGINEERING

## COMFORT ENGINEERED FOR THE UAE

Climate-control solutions engineered for comfort, efficiency and demanding UAE conditions.

- Central Air-Conditioning Systems
- Ventilation & Air Handling Units
- Ductwork
- Chilled Water Systems
- HVAC Controls
- Testing, Balancing & Commissioning
- Preventive Maintenance



DX SYSTEMS | AHU / FCU | DUCTWORK | CHILLED WATER | HVAC CONTROLS

# PLUMBING ENGINEERING

**WATER. DRAINAGE. HYGIENE.  
RELIABILITY.**

Complete water supply, drainage and sanitary systems for modern buildings.

- Water Supply Systems
- Drainage Systems
- Sanitary Installations
- Pumping Systems
- Water Heaters
- Pressure Testing
- Maintenance



WATER SUPPLY | DRAINAGE | SANITARY | PUMPING SYSTEMS | TESTING

# FIRE FIGHTING SYSTEMS

## PROTECTING WHAT MATTERS MOST

Life-safety systems designed for reliable fire protection and emergency response.

- Sprinkler Systems
- Fire Hydrant Systems
- Fire Pump Systems
- Hose Reel Systems
- Fire Water Tanks
- Testing & Commissioning
- Maintenance

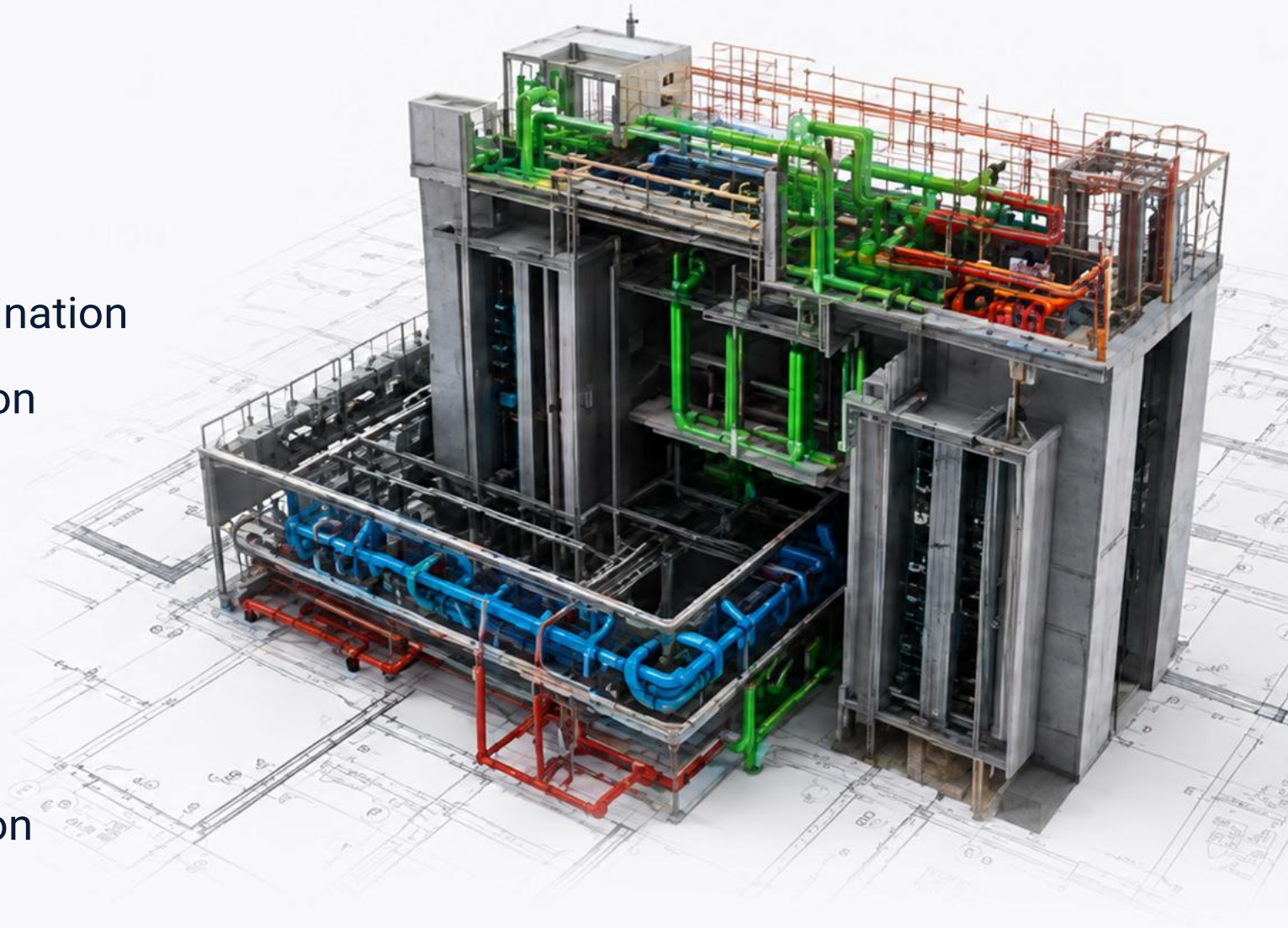


SPRINKLERS | HYDRANTS | FIRE PUMPS | HOSE REELS | FIRE TANKS

# DESIGN & ENGINEERING COORDINATION

## FROM CONCEPT TO CONSTRUCTION

- MEP Design Review
- Shop Drawing Coordination
- BIM & 3D Coordination
- Load Calculations
- Equipment Selection
- Value Engineering
- Technical Submittals
- Authority Coordination



# MEP INSTALLATION & EXECUTION

## PRECISION AT EVERY STAGE

### SITE MOBILIZATION

Manpower, equipment, materials and site logistics.

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### PROCUREMENT

Approved materials & equipment sourcing.

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### INSTALLATION

MEP systems installed as per drawings & specifications.

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### INSPECTION

Quality checks throughout the installation.

### TESTING

Systems & components validated through testing.

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### COMMISSIONING

Systems are adjusted to achieve optimal performance.

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### HANDOVER

Documentation & system information for handover.



# TESTING, COMMISSIONING & HANDOVER

## PROVING PERFORMANCE BEFORE HANDOVER



### ELECTRICAL

Insulation Testing  
Earth Resistance  
Functional Testing  
DB Inspection



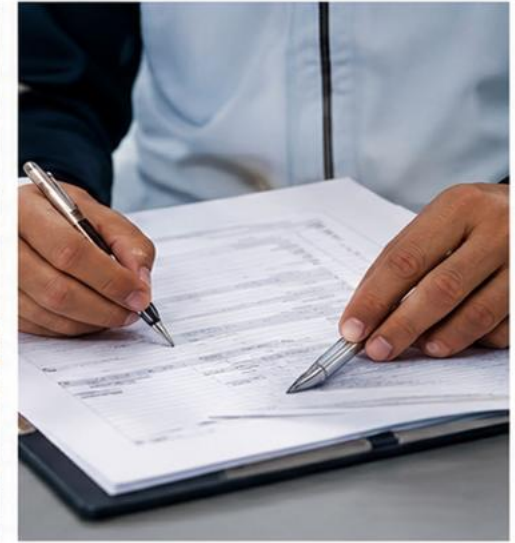
### HVAC

Airflow Testing  
Water Balancing  
Temperature Check  
System Validation



### PLUMBING

Pressure Testing  
Leakage Testing  
Flow Testing  
System Flushing



### FIRE FIGHTING

Hydrostatic Testing  
Flow Testing  
Pump Testing  
System Inspection

## HANDOVER DOCUMENTATION

As-Built Drawings | Test Reports | Commissioning Reports | O&M Manuals  
Warranties | Asset Information

# PREVENTIVE MAINTENANCE

## KEEPING SYSTEMS PERFORMING

Regular inspection and servicing ensures reliability, efficiency and longer asset life.

- Electrical Maintenance
- HVAC Maintenance
- Plumbing Maintenance
- Fire Systems Maintenance
- Condition Monitoring
- Corrective Maintenance
- 24/7 Technical Support



INSPECT | SERVICE | MONITOR | MAINTAIN | SUPPORT

# ANNUAL MAINTENANCE CONTRACTS (AMC)

## LONG-TERM RELIABILITY. PLANNED MAINTENANCE.

Customized AMC plans to keep your facility ready and ensure continuous building performance.

- Planned Preventive Maintenance
- Reduced Breakdowns
- Cost Optimization
- Skilled Technical Team
- Priority Support
- Detailed Reporting



ASSESS | PLAN | INSPECT | SERVICE | RESPOND | REPORT

# QUALITY, HEALTH & SAFETY

## SAFETY IS ENGINEERED INTO THE PROCESS

- Quality Control
- Health & Safety
- Environmental Responsibility
- UAE Regulations Compliance
- Safe Work Practices
- Permit to Work
- Training & Awareness



QUALITY | SAFETY | ENVIRONMENT | COMPLIANCE | TRAINING

# SECTORS & PROJECT APPLICATIONS

## RESIDENTIAL

Villas, Apartments, Residential Towers

## COMMERCIAL

Offices, Retail, Commercial Complexes

## INDUSTRIAL

Warehouses, Factories, Industrial Facilities

## HOSPITALITY

Hotels, Resorts, Restaurants

## INFRASTRUCTURE

Large Scale Developments, Utility Systems

## PROJECT EXPERIENCE

Shopping Malls, High-rise Towers, Villas, Industrial Facilities



# Powering Spaces Enhancing Lives

Through MEP Excellence

*End - to End  
MEP Solutions for*

- Design & Engineering
- Installation & Commissioning
- Testing & Balancing
- Operation & Maintenance

Integrated System.  
Intelligent Solutions

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