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ZENITH ENERGY

POWERING GLOBAL POSSIBILITIES

www.zenithenergy.ae
(+971) 55 628 0495

CERTIFIED ISO 9001:2015 COMPANY

CERTIFIED ISO 14001:2015 COMPANY

CERTIFIED ISO 45001:2018 COMPANY



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DELIVERING RELIABLE ELECTRICAL
SOLUTIONS FOR A SUSTAINABLE FUTURE

COMPANY OVERVIEW

Zenith Energy Electrical Contracting - L. L. C

ENGINEERING EXCELLENCE

ZENITH ENERGY ELECTRICAL CONTRACTING - L. LC is a leading Engineering, Procurement and Construction (EPC) company specializing in the design, construction, installation, testing, commissioning and maintenance of Electrical Power Infrastructure across Medium Voltage (MV), High Voltage (HV), and Extra High Voltage (EHV) systems.

RELIABLE POWER SOLUTIONS

Headquartered in the United Arab Emirates, the company delivers integrated engineering solutions for utilities, oil & gas, industrial facilities, renewable energy projects, commercial developments and large-scale infrastructure works

BUILDING THE FUTURE

Our multidisciplinary expertise combines Civil, Electrical, Mechanical and Instrumentation engineering capabilities, enabling us to execute complex turnkey EPC projects from concept through commissioning while maintaining the highest standards of safety, quality and operational excellence.



OUR VISION

Zenith Energy

To provide reliable engineering and construction services by combining technical excellence, innovative technologies, skilled professionals and uncompromising commitment to quality, safety and customer satisfaction.







OUR MISSION

Zenith Energy

To become one of the most trusted EPC contractors in the universe especially in the Middle East, recognized for delivering innovative, sustainable and world-class Electrical, Mechanical, Civil and Instrumentation infrastructure solutions.









LICENSED ACTIVITIES

Zenith Energy

The company is licensed to perform activities including:

- Electrical Contracting
- Electrical Generators & Transformers Installation and Maintenance
- Electromechanical Equipment Installation and Maintenance
- Installation and Maintenance of Equipment and Instrumentation & Control
- Power Generation Plants Maintenance
- Electrical Transmission and Control Equipment Installation Works
- Fibre Optic Networks Installation and Maintenance
- Cable and Wireless Networks Installation and Maintenance
- Underwater Telecommunications and Power Cables Installation and Maintenance
- General Installation of Street Lighting and Electrical Signals
- Installation of Airport Runway Lighting
- Power Distribution Networks and Stations Contracting
- Networks and Power Transmission Lines Contracting
- Civil Works for Energy Generation and Construction Stations

CORE BUSINESS

Zenith Energy

ZENITH ENERGY provides complete EPC solutions including:

- 01 . ELECTRICAL EPC PROJECTS
- 0 2 . CIVIL EPC PROJECTS
- 0 3 . MECHANICAL - EPC PROJECTS
- 0 4 . INSTRUMENTATION & CONTROL WORKS
- 05. OIL & GAS SERVICES
- 0 6 . ONSHORE & OFFSHORE ELECTRICAL, MECHANICAL AND INSTRUMENTATION PROJECTS
- 07. INDUSTRIAL PROJECTS
- 08. INFRASTRUCTURE PROJECTS
- 09. ENGINEERING SERVICES
- 10. PROCUREMENT
- 11. CONSTRUCTION & COMMISSIONING
- 12. OUR PROFESSIONAL KITCHEN SERVICES
- 13. RENEWABLE ENERGY (SOLAR ENERGY GENERATION)



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01. Electrical - Engineering, Procurement & Construction Works

1. MV SUBSTATIONS
2. HV SUBSTATIONS
3. EHV GIS & AIS SUBSTATIONS
4. UNDERGROUND CABLE NETWORKS
5. OVERHEAD TRANSMISSION LINES
6. POWER DISTRIBUTION NETWORKS
7. UTILITY INFRASTRUCTURE
8. GRID INTERCONNECTION WORKS
9. RENEWABLE ENERGY ELECTRICAL INFRASTRUCTURE
10. SOLAR FARM ELECTRICAL BALANCE OF PLANT
11. BATTERY ENERGY STORAGE ELECTRICAL SYSTEMS



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Electrical EPC Projects





ZENITH ENERGY ELECTRICAL CONTRACTING - L. L. C delivers comprehensive Engineering, Procurement, Construction (EPC), Testing, and Commissioning solutions for electrical infrastructure projects across the utility, industrial, commercial, oil & gas, renewable energy, and infrastructure sectors. Our expertise spans the complete project lifecycle—from engineering design and procurement to construction, testing, commissioning, energization, and long-term maintenance.

Our Core EPC Capabilities

Medium Voltage (MV) Substations

Engineering, construction, installation, testing, commissioning, upgrading, and maintenance of MV substations up to 33kV, including transformers, switchgear, protection, control, and auxiliary systems.

High Voltage (HV) Substations

Complete EPC solutions for HV substations up to 132kV, including civil works, electrical installation, protection and control systems, SCADA integration, testing, and commissioning.

Extra High Voltage (EHV) GIS & AIS Substations

Turnkey EPC execution of Gas Insulated Switchgear (GIS) and Air Insulated Switchgear (AIS) substations up to 400kV, including engineering, procurement, construction, installation, testing, commissioning, extension, refurbishment, and grid integration.

Underground Cable Networks

Installation, laying, jointing, termination, diversion, relocation, testing, and commissioning of underground MV, HV, and EHV cable systems from 11kV to 400kV for utility, industrial, and infrastructure projects.

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Overhead Transmission Lines

Construction and installation of overhead transmission lines, towers, foundations, stringing, protection systems, and associated transmission infrastructure for power utilities and industrial developments.

Power Distribution Networks

Development and expansion of primary and secondary electrical distribution networks, including substations, feeder systems, ring main units (RMUs), distribution transformers, and utility connections.

Utility Infrastructure

Execution of electrical infrastructure works for airports, highways, roads, bridges, metro rail systems, railways, ports, industrial parks, commercial developments, smart cities, and large-scale public infrastructure projects.

Grid Interconnection Works

Design and execution of grid connection facilities, switchyards, transmission interfaces, utility coordination, protection schemes, synchronization systems, and power evacuation infrastructure.

Renewable Energy Electrical Infrastructure

Complete electrical EPC solutions for renewable energy projects, including solar PV plants, wind farms, hybrid energy systems, substations, transmission connections, collector systems, and grid integration.

Solar Farm Electrical Balance of Plant (EBoP)

Design and execution of grid connection facilities, switchyards, transmission interfaces, utility coordination, protection schemes, synchronization systems, and power evacuation infrastructure.

Battery Energy Storage Systems (BESS)

Engineering, installation, testing, commissioning, and grid integration of Battery Energy Storage Systems, including power conversion systems (PCS), transformers, switchgear, protection and control systems, SCADA integration, energy management systems (EMS), and associated electrical infrastructure.



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Electrical - Engineering, Procurement & Construction Works-Various Projects

1. 11KV / 22KV / 33KV DISTRIBUTION NETWORKS
2. 66KV / 132KV / 220KV / 400KV TRANSMISSION SYSTEMS
3. POWER CABLE INSTALLATION
4. CABLE PULLING
5. CABLE JOINTING & TERMINATION
6. CABLE ROUTE CONSTRUCTION
7. CABLE TRENCHING
8. HDD CROSSING
9. DUCT BANK INSTALLATION
10. CABLE TESTING
11. PROTECTION SYSTEMS
12. EARTHING SYSTEMS
13. LIGHTNING PROTECTION
14. INDOOR & OUTDOOR ELECTRICAL INSTALLATIONS





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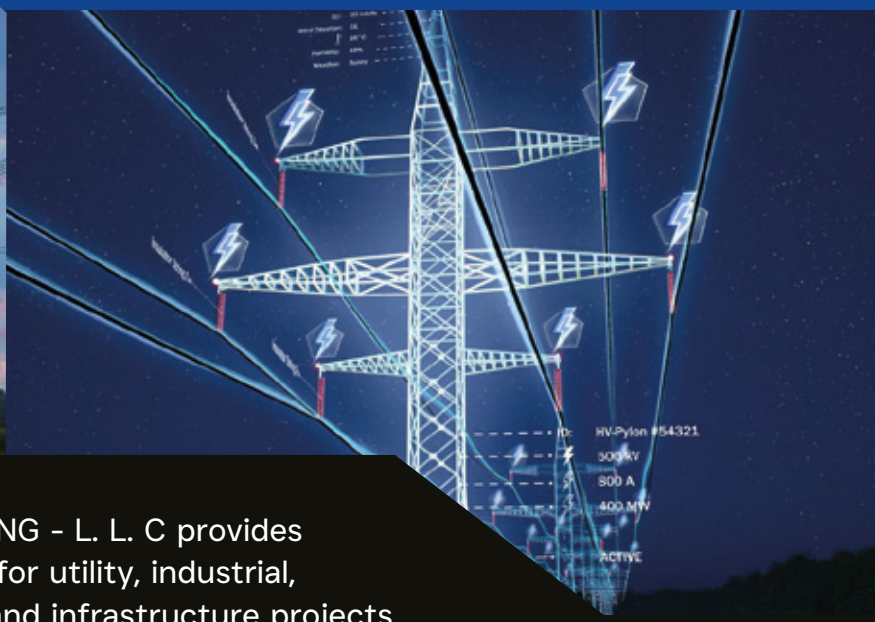
Electrical EPC Projects



ZENITH ENERGY ELECTRICAL CONTRACTING - L. L. C provides complete electrical construction services for utility, industrial, commercial, oil & gas, renewable energy, and infrastructure projects. Our multidisciplinary teams execute projects safely and efficiently, delivering high-quality installations that comply with international standards, utility authority requirements, and client specifications.

Our Electrical Construction Services:

Medium Voltage Distribution Networks (11kV / 22kV / 33kV)

Construction, installation, upgrading, and maintenance of medium voltage distribution systems, including underground and overhead networks, feeder connections, ring main units (RMUs), distribution transformers, switchgear, and customer substations.



Testing & Commissioning of Medium Voltage Distribution Networks (11kV / 22kV / 33kV)

Comprehensive testing, commissioning, energization, and maintenance services for medium voltage distribution networks, ensuring safe, reliable, and compliant operation. Our expertise includes pre-commissioning inspections, insulation resistance testing, continuity testing, cable sheath integrity testing, VLF and AC withstand testing, protection relay testing, switchgear functional testing, transformer testing, secondary injection, commissioning of Ring Main Units (RMUs), feeder panels, customer substations, SCADA integration, and final energization in accordance with IEC standards and utility authority requirements.

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High & Extra High Voltage Transmission Systems (66kV / 132kV / 220kV / 400kV)

Construction and installation of high-voltage and extra high-voltage transmission infrastructure, including substations, transmission lines, cable systems, switchyards, and associated electrical facilities

Testing & Commissioning of High & Extra High Voltage Transmission Systems (66kV / 132kV / 220kV / 400kV)

Specialized testing and commissioning services for High Voltage (HV) and Extra High Voltage (EHV) transmission systems up to **400kV**. Our capabilities include commissioning of GIS and AIS substations, switchyards, transformers, reactors, overhead transmission lines, underground cable systems, protection and control schemes, SCADA and Substation Automation Systems (SAS), synchronization, functional verification, grid interconnection testing, energization, and performance validation to ensure reliable and secure operation of transmission assets.

Power Cable Installation

Installation of underground MV, HV, and EHV power cable systems, including cable laying, pulling, routing, dressing, identification, and complete installation works for voltages up to 400kV.

Cable Trenching Works

Execution of cable trench excavation, concrete encasement, thermal backfill, sand bedding, cable support systems, covers, and reinstatement for utility and infrastructure projects.

Cable Pulling Operations

Specialized cable pulling using advanced hydraulic winches, tensioners, rollers, lubrication systems, and monitoring equipment to ensure safe installation of long-distance and large-diameter power cables.

Cable Jointing & Termination

Installation, alignment, assembly, and commissioning of mechanical equipment, process piping, structural steel, HVAC systems, fire protection systems, rotating equipment, and balance-of-plant mechanical works.

Cable Route Construction

Complete construction of underground cable corridors, including route surveys, excavation, backfilling, warning tape installation, marker systems, cable protection, reinstatement, and utility coordination.

Testing & Commissioning of Power Cable Systems

Complete testing and commissioning services for Medium Voltage (MV), High Voltage (HV), and Extra High Voltage (EHV) underground power cable systems from 11kV to 400kV. Our services include cable identification and phasing, insulation resistance testing, sheath integrity testing, continuity testing, VLF testing, AC and DC high-voltage withstand testing, Tan Delta testing, Partial Discharge (PD) testing, Very Low Frequency (VLF) diagnostics, Time Domain Reflectometry (TDR), fault location, cable route verification, joint and termination inspection, OTDR testing for fibre optic cables, and final commissioning prior to energization.

All testing and commissioning activities are carried out using calibrated test equipment by qualified commissioning engineers in accordance with IEC, IEEE, CIGRÉ, utility authority specifications, and client-specific requirements, ensuring optimum system reliability, operational safety, and long-term asset performance.

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Horizontal Directional Drilling (HDD)

Trenchless installation of underground power cable ducts beneath highways, railways, airports, rivers, bridges, and other sensitive crossings using Horizontal Directional Drilling (HDD) technology.

Duct Bank Installation

Construction of reinforced concrete duct banks, HDPE duct systems, manholes, inspection chambers, cable tunnels, utility corridors, and associated civil infrastructure for underground electrical networks.

Cable Testing & Commissioning

Pre-commissioning and commissioning services including insulation resistance testing, sheath integrity testing, VLF testing, AC/DC high-voltage withstand testing, Tan Delta, Partial Discharge (PD) testing, phasing, continuity verification, and fault location for MV, HV, and EHV cable systems up to 400kV.

Protection & Control Systems

Installation, wiring, testing, and commissioning of protection relays, control panels, SCADA interfaces, automation systems, metering equipment, and communication systems for substations and transmission networks.

Earthing & Bonding Systems

Design, installation, testing, and certification of complete earthing and bonding systems, including earth grids, earth electrodes, grounding conductors, equipotential bonding, and step-and-touch voltage mitigation.

Lightning Protection Systems

Installation of comprehensive lightning protection systems, including air terminals, down conductors, surge protection devices (SPDs), earth termination systems, and lightning risk mitigation solutions in accordance with IEC and international standards.

Indoor & Outdoor Electrical Installations

Complete installation of electrical equipment for industrial facilities, commercial developments, utilities, and infrastructure projects, including switchgear, transformers, motor control centres (MCCs), LV panels, cable containment systems, lighting, power distribution, instrumentation, and associated electrical works.





02. Civil - Engineering, Procurement & Construction Works

1. EARTHWORKS
2. SITE DEVELOPMENT
3. FOUNDATIONS
4. EQUIPMENT FOUNDATIONS
5. CONTROL BUILDINGS
6. GIS BUILDINGS
7. CABLE TRENCHES
8. RCC STRUCTURES
9. ROAD WORKS
10. DRAINAGE SYSTEMS
11. BOUNDARY WALLS
12. UTILITY CORRIDORS
13. STRUCTURAL STEEL WORKS







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Civil - EPC Works





ZENITH ENERGY ELECTRICAL CONTRACTING - L. L. C delivers comprehensive civil engineering solutions that form the foundation of reliable power transmission, distribution, industrial, and infrastructure projects. Our civil works are executed in full compliance with international engineering standards, project specifications, and stringent Health, Safety, Quality, and Environmental (HSQE) requirements, ensuring durable, safe, and efficient infrastructure.

Our Civil Engineering Capabilities:

Earthworks

Comprehensive site earthworks including excavation, backfilling, grading, soil stabilization, compaction, cut-and-fill operations, embankment construction, and ground improvement for substations, transmission corridors, and infrastructure developments.

Site Development

Complete site preparation and development works, including land clearing, leveling, access roads, utility coordination, temporary facilities, fencing, and infrastructure required for project execution.

Foundations

Construction of reinforced concrete foundations for substations, transmission structures, electrical equipment, buildings, and associated infrastructure, designed to meet structural and geotechnical requirements.

Equipment Foundations

Design and construction of precision foundations for power transformers, GIS and AIS equipment, reactors, switchgear, capacitor banks, diesel generators, cable sealing ends, and other heavy electrical equipment.

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Control Buildings

Construction of control and relay buildings, operation centres, switchgear buildings, administration offices, maintenance facilities, and auxiliary service buildings for electrical substations and industrial installations.

GIS Buildings

Construction of Gas Insulated Switchgear (GIS) buildings, including reinforced concrete structures, equipment halls, cable basements, ventilation systems, fire-rated construction, architectural finishes, and associated building services.

Cable Trenches

Construction of reinforced concrete cable trenches, cable basements, cable galleries, duct entries, cable pits, inspection chambers, and associated cable management infrastructure.

Reinforced Cement Concrete (RCC) Structures

Construction of reinforced concrete and masonry boundary walls, perimeter fencing, security gates, guardhouses, access control infrastructure, and site protection systems for substations and industrial facilities.

Road Works

Construction of permanent and temporary access roads, internal road networks, heavy-duty equipment access routes, paving, kerbs, interlocking blocks, asphalt surfacing, and pavement reinstatement.

Drainage Systems

Design and construction of stormwater drainage networks, surface water channels, underground drainage systems, oil-water separators, culverts, manholes, catch basins, and flood protection measures.

Boundary Walls & Security Infrastructure

Construction of reinforced concrete and masonry boundary walls, perimeter fencing, security gates, guardhouses, access control infrastructure, and site protection systems for substations and industrial facilities.

Utility Corridors

Development of integrated underground utility corridors incorporating electrical power cables, communication networks, water supply, drainage systems, duct banks, and future utility provisions for large-scale infrastructure projects.

Structural Steel Works

Fabrication, supply, and erection of structural steel for substation structures, equipment support frames, cable gantries, pipe racks, platforms, walkways, stairways, handrails, ladders, and miscellaneous steel works, including protective coating systems and corrosion protection.



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03. Mechanical-Engineering, Procurement & Construction Works

1. EQUIPMENT INSTALLATION
2. STRUCTURAL FABRICATION
3. PIPING SYSTEMS
4. HVAC SYSTEMS
5. FIRE FIGHTING SYSTEMS
6. FUEL SYSTEMS
7. PLANT INSTALLATION
8. HEAVY EQUIPMENT ERECTION



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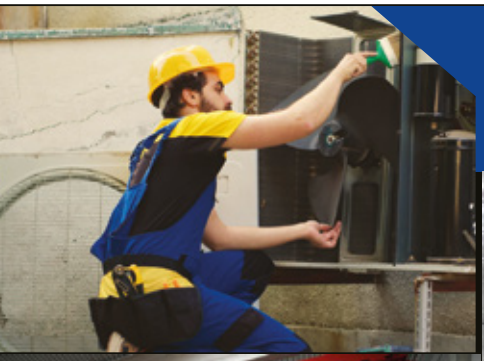
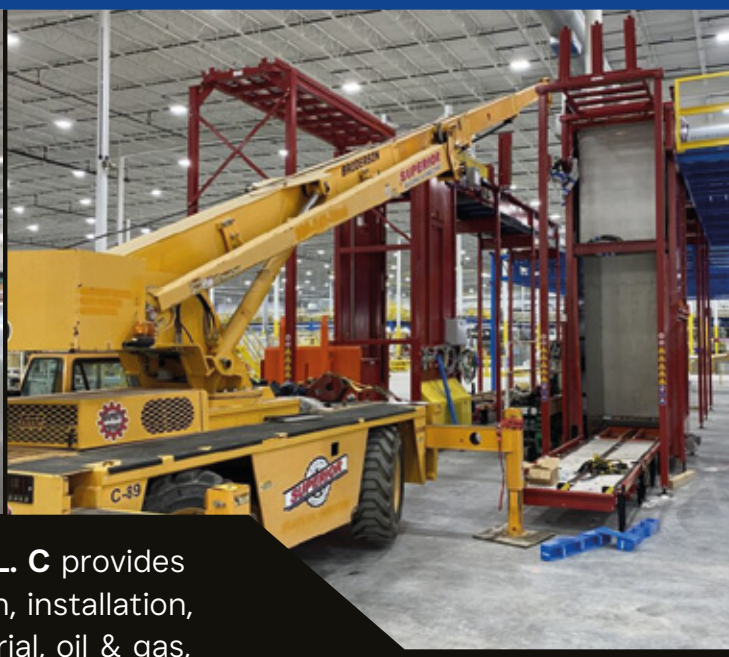
Mechanical Works









ZENITH ENERGY ELECTRICAL CONTRACTING - L. L. C provides comprehensive mechanical engineering, construction, installation, and commissioning services for power, utility, industrial, oil & gas, renewable energy, and infrastructure projects. Our experienced teams execute mechanical works in accordance with international engineering standards, project specifications, and stringent Health, Safety, Quality, and Environmental (HSQE) requirements, ensuring safe, reliable, and efficient project delivery.



Our Mechanical Construction Services:

Equipment Installation

Installation, alignment, assembly, and commissioning of mechanical and electro-mechanical equipment, including transformers, reactors, generators, compressors, pumps, cooling systems, switchyard equipment, auxiliary systems, and process machinery.

Piping Systems

Construction and installation of carbon steel, stainless steel, HDPE, GRE, and ductile iron piping systems for industrial plants and utility facilities, including process piping, utility piping, cooling water, compressed air, potable water, drainage, and firewater networks, together with hydrostatic testing and commissioning.

Structural Steel Fabrication & Erection

Fabrication, supply, erection, and installation of structural steel for substations, industrial plants, equipment support structures, pipe racks, cable gantries, platforms, walkways, staircases, ladders, handrails, and miscellaneous steel works, complete with corrosion protection and protective coating systems.

HVAC Systems

Supply, installation, testing, and commissioning of Heating, Ventilation, and Air Conditioning (HVAC) systems for substations, GIS buildings, control rooms, electrical rooms, data centres, industrial facilities, and commercial buildings, including ventilation, pressurization, smoke extraction, and precision cooling systems.

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Fire Protection Systems

Engineering, installation, testing, and commissioning of fire protection systems, including firewater networks, hydrant systems, sprinkler systems, foam systems, gaseous fire suppression, fire pumps, hose reels, fire alarm interfaces, and associated mechanical infrastructure in compliance with NFPA and applicable international standards.

Fuel Systems

Construction and installation of fuel storage and distribution systems, including above-ground and underground storage tanks, transfer pumps, filtration units, piping networks, fuel transfer systems, and associated mechanical equipment for emergency generators and industrial facilities.

Industrial Plant Installation

Mechanical installation and commissioning of complete plant systems for power generation, water treatment, desalination, oil & gas, manufacturing, petrochemical, renewable energy, and utility facilities, including process equipment and balance-of-plant (BoP) mechanical works.

Heavy Equipment Erection

Heavy lifting, positioning, alignment, and installation of large industrial and electrical equipment using specialized lifting equipment and engineered lifting methodologies. Our capabilities include transformers, GIS modules, reactors, generators, boilers, pressure vessels, large pumps, cooling equipment, and other oversized mechanical and electrical assets.



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04. Instrumentation &Control

1. SCADA SYSTEMS
2. PLC SYSTEMS
3. RTU INSTALLATION
4. INSTRUMENT INSTALLATION
5. CONTROL PANELS
6. COMMUNICATION NETWORKS
7. FIBER OPTIC INSTALLATION
8. AUTOMATION SYSTEMS
9. TESTING & COMMISSIONING



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Instrumentation & Control



ZENITH ENERGY ELECTRICAL CONTRACTING - L. L. C provides integrated Instrumentation, Control, Automation, and Communication solutions for power utilities, substations, oil & gas, industrial facilities, renewable energy, water infrastructure, and large-scale infrastructure projects. Our services encompass engineering, procurement, installation, integration, testing, commissioning, and maintenance, ensuring reliable monitoring, control, and protection of critical electrical and process systems.

Our Instrumentation & Control Capabilities

SCADA Systems

Engineering, installation, configuration, integration, testing, and commissioning of Supervisory Control and Data Acquisition (SCADA) systems for substations, transmission and distribution networks, industrial plants, renewable energy facilities, and utility infrastructure, enabling centralized monitoring and remote operation.

Remote Terminal Unit (RTU) Installation

Supply, installation, configuration, and commissioning of Remote Terminal Units (RTUs) for utility substations, transmission networks, renewable energy plants, and industrial facilities, supporting real-time monitoring, control, and data acquisition.

Programmable Logic Controller (PLC) Systems

Design, installation, programming, testing, and commissioning of PLC-based control systems for process automation, equipment control, machine interfaces, and industrial applications, including integration with HMI and SCADA platforms

Instrument Installation

Installation, calibration, loop checking, testing, and commissioning of field instrumentation, including pressure, temperature, flow, level, vibration, and analytical instruments, together with instrument tubing, impulse lines, junction boxes, and field accessories.

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Control Panels & Protection Panels

Design support, assembly, installation, wiring, testing, and commissioning of control panels, protection relay panels, marshalling kiosks, annunciator panels, motor control centres (MCCs), local control stations, and automation panels.

Communication Networks

Installation and integration of industrial communication systems, including Ethernet networks, IEC 61850 station bus and process bus, Modbus, DNP3, IEC 60870-5-101/104, serial communication systems, network switches, routers, and communication gateways for utility and industrial applications.

Fibre Optic Installation

Installation, termination, fusion splicing, testing, OTDR certification, and commissioning of fibre optic communication networks for substations, transmission systems, industrial plants, and infrastructure projects, including OPGW and underground fibre optic cable systems.

Automation Systems

Implementation of intelligent automation solutions for substations, industrial facilities, utility infrastructure, and renewable energy plants, including process automation, energy management systems (EMS), substation automation systems (SAS), building management systems (BMS), and integrated control platforms.

Testing & Commissioning

Comprehensive pre-commissioning, functional testing, loop checking, signal verification, relay coordination, communication testing, SCADA integration, PLC validation, system acceptance testing (SAT), factory acceptance testing (FAT), site acceptance testing (SAT), energization support, and final commissioning in accordance with IEC, IEEE, ISA, and client specifications.



05. Oil & Gas Services

1. ELECTRICAL INSTALLATION
2. HAZARDOUS AREA INSTALLATIONS
3. INSTRUMENTATION
4. PLANT SHUTDOWN SUPPORT
5. BROWNFIELD MODIFICATIONS
6. GREENFIELD PROJECTS
7. MAINTENANCE SERVICES
8. POWER DISTRIBUTION SYSTEMS



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Oil & Gas Services





ZENITH ENERGY ELECTRICAL CONTRACTING - L. L. C delivers specialized Engineering, Procurement, Construction (EPC), Installation, Testing, Commissioning, and Maintenance services for the upstream, midstream, and downstream oil & gas industry. Our multidisciplinary capabilities support onshore and offshore facilities, refineries, petrochemical plants, gas processing facilities, terminals, pipelines, storage depots, and associated utility infrastructure, with a strong commitment to safety, quality, operational reliability, and compliance with international industry standards.

Our Oil & Gas Capabilities:

Electrical Installation

Complete installation of LV, MV, HV, and EHV electrical systems, including substations, transformers, switchgear, motor control centres (MCCs), power distribution panels, cable containment systems, lighting, earthing, lightning protection, and power distribution networks for oil & gas facilities.

Hazardous Area (Ex) Installations

Installation, inspection, testing, and commissioning of electrical and instrumentation systems in hazardous (Ex) classified areas, including explosion-proof equipment, intrinsically safe systems, flameproof enclosures, Ex lighting, Ex junction boxes, cable glands, and associated equipment in accordance with IECEx, ATEX, and client specifications.

Instrumentation & Control

Installation, calibration, loop checking, testing, and commissioning of field instrumentation, control valves, analyzers, PLC, RTU, DCS, SCADA, and Emergency Shutdown (ESD) systems, supporting safe and efficient plant operation.

Plant Shutdown & Turnaround Support

Planning and execution of electrical, mechanical, instrumentation, and maintenance activities during planned shutdowns, turnarounds, and outages, including equipment replacement, upgrades, inspections, testing, repairs, and recommissioning to minimize operational downtime.

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Brownfield Modifications

Engineering and construction services for the expansion, modernization, relocation, and modification of existing operating facilities, including live plant tie-ins, system upgrades, equipment replacement, retrofit projects, and capacity enhancement while maintaining operational continuity.

Greenfield Projects

Turnkey EPC delivery of new oil & gas production facilities, processing plants, tank farms, pumping stations, compressor stations, utility systems, and associated electrical, mechanical, civil, structural, and instrumentation infrastructure from concept through commissioning.

Maintenance Services

Preventive, predictive, corrective, and emergency maintenance for electrical, mechanical, instrumentation, automation, and utility systems, including condition monitoring, testing, troubleshooting, asset integrity support, and reliability improvement programs.

Power Distribution Systems

Engineering, installation, testing, commissioning, upgrading, and maintenance of electrical power distribution systems, including substations, transformers, switchgear, feeder networks, standby power systems, protection and control systems, SCADA integration, and utility interconnections to ensure secure and reliable power supply across oil & gas facilities.



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06. Onshore & Offshore - Electrical, Mechanical, Civil & Instrumentation Projects

1. ONSHORE FACILITIES
2. OFFSHORE FACILITIES
3. ELECTRICAL SYSTEMS
4. MECHANICAL SYSTEMS
5. INSTRUMENTATION & CONTROL
6. TESTING, COMMISSIONING & MAINTENANCE



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Onshore & Offshore Electrical, Mechanical and Instrumentation Projects







ZENITH ENERGY ELECTRICAL CONTRACTING - L. L. C provides comprehensive Engineering, Procurement, Construction (EPC), Installation, Testing, Commissioning, and Maintenance services for onshore and offshore energy facilities. Our multidisciplinary expertise supports the successful execution of electrical, mechanical, instrumentation, automation, and utility projects across the upstream, midstream, and downstream oil & gas sectors.

Our Onshore & Offshore Capabilities

Onshore Facilities

Execution of EPC projects for refineries, petrochemical complexes, gas processing plants, LNG facilities, tank farms, pumping stations, compressor stations, pipeline facilities, utility plants, industrial complexes, and power generation facilities.

Offshore Facilities

Electrical, mechanical, and instrumentation works for offshore platforms, wellhead platforms, production facilities, offshore substations, drilling rigs, FPSOs, offshore pipelines, marine terminals, and associated offshore infrastructure.

Electrical Systems

- LV, MV, HV, and EHV power distribution systems
- Electrical substations up to **400kV**
- Transformers, switchgear, MCCs, UPS and standby power systems
- Cable laying, jointing, termination, testing, and commissioning
- Earthing, bonding, and lightning protection systems
- Hazardous Area (Ex) electrical installations
- Power system upgrades and brownfield modifications

Mechanical Systems

- Mechanical equipment installation and alignment
- Structural steel fabrication and erection
- Process and utility piping systems
- HVAC systems
- Fire protection and firewater systems
- Fuel handling and storage systems
- Rotating and static equipment installation
- Heavy equipment lifting and erection

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Instrumentation & Control

- Field instrument installation and calibration
- PLC, DCS, RTU, and SCADA systems
- Emergency Shutdown (ESD) systems
- Fire & Gas Detection Systems (F&G)
- Control and protection panels
- Fibre optic and industrial communication networks
- Automation and process control systems
- Loop checking, testing, and commissioning

Testing, Commissioning & Maintenance

Comprehensive pre-commissioning, commissioning, startup support, preventive maintenance, shutdown and turnaround services, performance testing, system integration, troubleshooting, and long-term asset maintenance to ensure safe, reliable, and efficient plant operations.

Our experienced project teams deliver integrated onshore and offshore solutions in compliance with IEC, IEEE, API, NFPA, ISA, IECEx, ATEX, and client-specific standards, maintaining the highest levels of quality, safety, environmental stewardship, and operational excellence throughout every phase of the project lifecycle.





07. Industrial Projects

1. MANUFACTURING PLANTS
2. CEMENT PLANTS
3. STEEL INDUSTRIES
4. WATER TREATMENT PLANTS
5. DESALINATION PLANTS
6. PETROCHEMICAL FACILITIES
7. REFINERIES
8. LNG FACILITIES



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Industrial Projects





ZENITH ENERGY ELECTRICAL CONTRACTING - L. L. C delivers integrated Engineering, Procurement, Construction (EPC), Installation, Testing, Commissioning, and Maintenance services for a wide range of industrial facilities. Our multidisciplinary capabilities encompass civil, structural, mechanical, electrical, instrumentation, and automation works, enabling us to execute complex industrial projects from concept through commissioning and operational support.

With extensive experience in power systems, process facilities, utilities, and industrial infrastructure, we provide reliable, safe, and cost-effective solutions that comply with international standards and client specifications.

Our Industrial Project Capabilities

Manufacturing Plants

Complete EPC solutions for manufacturing and production facilities, including electrical distribution systems, substations, process utilities, mechanical installations, automation systems, instrumentation, and plant infrastructure.

Cement Plants

Construction, installation, upgrading, and maintenance of electrical, mechanical, and instrumentation systems for cement production facilities, including power distribution, process equipment, conveyors, crushers, kilns, packing plants, and utility systems.

Steel Industries

Engineering and construction services for steel manufacturing facilities, including substations, power distribution networks, heavy industrial electrical installations, rolling mills, furnaces, material handling systems, mechanical equipment installation, and plant automation.

Desalination Plants

Engineering, construction, installation, testing, and commissioning of desalination facilities, including electrical balance of plant, mechanical systems, process piping, pumping stations, instrumentation, automation, and power distribution infrastructure.

Refineries

Electrical, mechanical, instrumentation, and civil construction services for refinery projects, including power distribution systems, process equipment installation, control systems, shutdown support, brownfield modifications, and facility upgrades.

Water Treatment Plants

Turnkey EPC execution of municipal and industrial water treatment facilities, including process equipment installation, pumping stations, electrical and instrumentation systems, SCADA integration, control systems, and utility infrastructure.

Petrochemical Facilities

Multidisciplinary EPC services for petrochemical plants, including process units, utility systems, substations, electrical installations, instrumentation, automation, hazardous area installations, and plant expansion projects.

LNG Facilities

Comprehensive EPC solutions for Liquefied Natural Gas (LNG) plants, import and export terminals, storage facilities, regasification plants, and associated utility infrastructure, including substations, electrical systems, instrumentation, automation, process utilities, and mechanical installations.

Integrated Industrial Services:

Our industrial project capabilities are supported by a full range of specialist services, including:

- Engineering, Procurement & Construction (EPC)
- Civil & Structural Engineering Works
- Mechanical Equipment Installation
- Electrical Power Systems up to 400kV
- Instrumentation, Control & Automation
- Process & Utility Piping Systems
- SCADA, PLC & Industrial Communication Networks
- Testing, Commissioning & Start-up Support
- Preventive & Corrective Maintenance
- Plant Shutdown & Turnaround Services
- Brownfield Upgrades & Greenfield Developments
- Asset Modernization & Rehabilitation

From manufacturing facilities and heavy industries to water, energy, and process plants, **ZENITH ENERGY ELECTRICAL CONTRACTING - L. L. C** delivers technically advanced, high-quality solutions that enhance operational reliability, safety, efficiency, and long-term asset performance.

This section aligns with the rest of your brochure and presents **ZENITH ENERGY ELECTRICAL CONTRACTING - L. L. C** as a multidisciplinary EPC contractor capable of executing **industrial, utility, infrastructure, oil & gas, renewable energy, and power transmission & distribution projects up to 400kV.**

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08. Infrastructure Projects

1. AIRPORTS
2. METRO SYSTEMS
3. RAILWAYS
4. SMART CITIES
5. COMMERCIAL DEVELOPMENTS
6. RESIDENTIAL COMMUNITIES
7. HOSPITALS
8. UNIVERSITIES
9. DATA CENTRES









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Infrastructure Projects





ZENITH ENERGY ELECTRICAL CONTRACTING - L. L. C delivers comprehensive Engineering, Procurement, Construction (EPC), Installation, Testing, Commissioning, and Maintenance services for major infrastructure developments. Our multidisciplinary expertise in civil, structural, mechanical, electrical, instrumentation, and utility systems enables us to successfully execute complex projects that support urban development, transportation, public services, and critical national infrastructure.

From power transmission and distribution networks to complete electro-mechanical infrastructure, we provide innovative, reliable, and sustainable solutions that comply with international standards, client specifications, and local authority requirements



Our Infrastructure Project Capabilities:

Airports

Complete electrical and electro-mechanical infrastructure for international and domestic airports, including substations, power distribution systems, airfield lighting, underground cable networks, utility corridors, communication systems, SCADA integration, standby power systems, and associated civil works.

Metro Systems

Engineering and construction of electrical infrastructure for metro and light rail systems, including traction power substations, underground cable networks, station electrical systems, power distribution, control systems, communication networks, and utility infrastructure.

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Railways

EPC solutions for railway electrification, substations, power supply systems, signalling support infrastructure, cable networks, station utilities, maintenance facilities, and associated civil and electro-mechanical works.

Smart Cities

Integrated infrastructure solutions for smart city developments, including intelligent power distribution networks, utility corridors, renewable energy integration, smart street lighting, EV charging infrastructure, communication networks, automation systems, and digital utility management.

Commercial Developments

Electrical, mechanical, and utility infrastructure for commercial complexes, office towers, mixed-use developments, retail centres, hotels, convention facilities, and business parks, including complete MEP and external infrastructure works.

Residential Communities

Construction of electrical distribution networks, substations, street lighting, underground utilities, water and drainage infrastructure, community facilities, renewable energy integration, and complete external infrastructure for residential developments.

Hospitals & Healthcare Facilities

Specialized electrical and electro-mechanical installations for hospitals, medical centres, laboratories, and healthcare campuses, including reliable power systems, emergency generators, UPS systems, medical support infrastructure, HVAC, fire protection, building automation, and critical utility services

Universities & Educational Campuses

Development of electrical infrastructure and utility systems for universities, colleges, research centres, and educational institutions, including substations, power distribution, campus-wide communication networks, lighting systems, smart building technologies, and energy-efficient infrastructure.

Data Centers

Turnkey electrical infrastructure for mission-critical data centres, including high-reliability substations, MV/LV power distribution, UPS systems, standby generators, precision HVAC, building management systems (BMS), fire detection and suppression, structured cabling, fibre optic networks, SCADA, and critical power monitoring systems.

Integrated Infrastructure Services:

Our infrastructure capabilities include:

- Engineering, Procurement & Construction (EPC)
- Civil, Structural & Architectural Works
- Electrical Power Systems up to **400kV**
- Underground & Overhead Utility Networks
- Mechanical, HVAC & Fire Protection Systems
- Instrumentation, Automation & SCADA
- Fibre Optic & Communication Networks
- Renewable Energy & Grid Integration
- Testing, Commissioning & Energization
- Operation, Maintenance & Asset Management

By combining technical excellence, experienced project management, and a strong commitment to safety and quality, **ZENITH ENERGY ELECTRICAL CONTRACTING - L. L. C** delivers resilient, future-ready infrastructure that supports sustainable urban growth, critical public services, and long-term economic development.

09. Engineering Services

1. CONCEPT ENGINEERING
2. FEED STUDIES
3.DETAILED ENGINEERING
4. ELECTRICAL DESIGN
5. CABLE SIZING
6. EQUIPMENT SELECTION
7. PROTECTION COORDINATION STUDIES
8.LOAD FLOW STUDIES
9. SHORT CIRCUIT ANALYSIS
10.EARTHING DESIGN
11. SHOP DRAWINGS
12. AS-BUILT DOCUMENTATION



10. Procurement

We maintain strategic relationships with leading international manufacturers to supply:

1. POWER TRANSFORMERS
2. GIS EQUIPMENT
3. AIS SWITCHGEAR
4. CIRCUIT BREAKERS
5. PROTECTION RELAYS
6. HV & MV CABLES
7. CABLE ACCESSORIES
8. RMUS
9. SWITCHBOARDS
10. MCC PANELS
11. CONTROL & RELAY PANELS
12. SCADA SYSTEMS
13. INSTRUMENTATION
14. LIGHTING SYSTEMS



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Electro-Mechanical Services





ZENITH ENERGY ELECTRICAL CONTRACTING - L. L. C provides comprehensive Engineering, Procurement, Construction (EPC), Testing, and Commissioning solutions for major infrastructure, industrial, and utility projects across the power and energy sector.

Our expertise includes:

- Complete electro-mechanical works for Airports, Highways, Roads, Bridges, Metro Rail Systems, Ports, and other critical infrastructure projects.
- Construction, installation, diversion, relocation, and jointing of underground and overhead Medium Voltage (11kV–33kV), High Voltage (66kV–132kV), and Extra High Voltage (220kV–400kV) power cable networks.
- Supply, installation, testing, commissioning, and maintenance of MV, HV, and EHV power cable systems up to **400kV.**
- Construction, installation, extension, upgrading, testing, and commissioning of Electrical Substations up to **400kV**, including GIS and AIS substations.
- Turnkey EPC execution covering civil, electrical, mechanical, and instrumentation works for utility, industrial, commercial, and infrastructure developments.
- Power system testing, protection relay testing, cable diagnostics, high-voltage testing, and pre-commissioning services in accordance with international standards and utility specifications.
- Installation and commissioning of associated electrical equipment including transformers, switchgear, control and protection panels, SCADA systems, earthing and lightning protection systems.
- Project management, engineering design support, quality assurance, health, safety, and environmental (HSE) compliance throughout the project lifecycle.

Our experienced engineering team delivers technically sound, safe, and reliable solutions while ensuring full compliance with international standards, client specifications, and utility authority requirements, enabling the successful execution of complex infrastructure and power transmission projects.

11. Construction & Commissioning

1. COMPLETE PROJECT MANAGEMENT
2. SITE CONSTRUCTION
3. MECHANICAL INSTALLATION
4. ELECTRICAL INSTALLATION
5. INSTRUMENTATION INSTALLATION
6. PRE-COMMISSIONING
7. COMMISSIONING
8. ENERGIZATION SUPPORT
9. OPERATION & MAINTENANCE
10. TESTING



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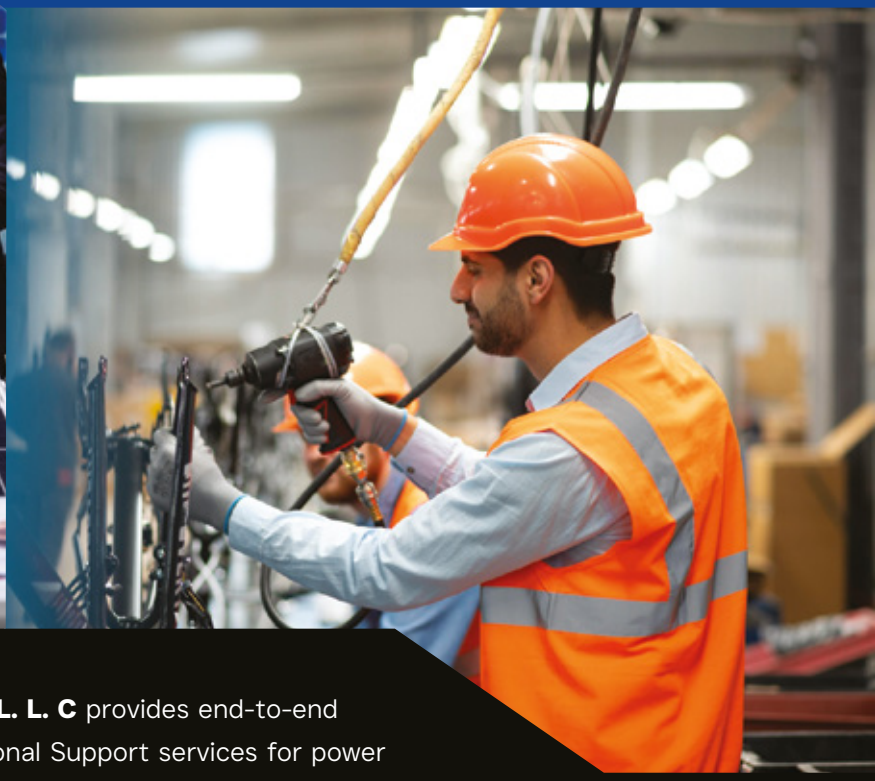
Construction & Commissioning





ZENITH ENERGY ELECTRICAL CONTRACTING - L. L. C provides end-to-end Construction, Testing, Commissioning, and Operational Support services for power transmission and distribution, industrial, oil & gas, renewable energy, and infrastructure projects. Our experienced multidisciplinary teams manage every phase of project execution, ensuring safe, timely, and high-quality delivery in compliance with international standards, utility authority requirements, and client specifications.

Our Construction & Commissioning Services

Complete Project Management

Comprehensive project planning, engineering coordination, procurement management, construction supervision, scheduling, cost control, quality assurance, HSE management, contract administration, and stakeholder coordination from project initiation through final handover.

Site Construction

Execution of all civil, structural, mechanical, electrical, and infrastructure construction activities, including site preparation, foundations, buildings, utility networks, substations, cable systems, and associated facilities.

Mechanical Installation

Installation, alignment, assembly, and commissioning of mechanical equipment, process piping, structural steel, HVAC systems, fire protection systems, rotating equipment, and balance-of-plant mechanical works.

Electrical Installation

Installation of LV, MV, HV, and EHV electrical systems up to 400kV, including substations, transformers, switchgear, GIS/AIS equipment, overhead transmission lines, underground cable networks, power distribution systems, earthing, lightning protection, and auxiliary electrical systems.

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Instrumentation & Control Installation

Installation of field instrumentation, PLC, RTU, SCADA, DCS, protection and control panels, fibre optic communication systems, industrial networks, automation systems, and associated control infrastructure.

Pre-Commissioning

Systematic pre-commissioning activities including inspection, calibration, loop checking, flushing, cleaning, pressure testing, insulation testing, continuity verification, mechanical completion, punch-list clearance, and readiness assessments.

Energization Support

Planning and execution of safe energization procedures, utility coordination, grid synchronization, operational readiness verification, controlled start-up, live system support, and successful handover to the client.

Testing

Comprehensive electrical, mechanical, and instrumentation testing, including factory acceptance support (FAT), site acceptance testing (SAT), functional testing, relay testing, cable testing, equipment verification, and system performance validation.

Commissioning

Complete commissioning of electrical, mechanical, instrumentation, automation, and utility systems, including functional verification, integrated system testing, synchronization, protection coordination, SCADA integration, performance testing, and final acceptance.

Operation & Maintenance (O&M)

Provision of preventive, predictive, corrective, and emergency maintenance services, asset management, condition monitoring, troubleshooting, shutdown and turnaround support, spare parts management, and long-term operation and maintenance contracts to maximize system reliability and lifecycle performance.

Our integrated Construction & Commissioning approach ensures that every project is delivered safely, efficiently, and to the highest standards of quality, providing clients with reliable, fully operational facilities ready for long-term service.



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12. Professional Kitchen Installations

1. DESIGN & ENGINEERING
2. SUPPLY & INSTALLATION
3. ELECTRICAL INSTALLATION WORKS
4. MECHANICAL INSTALLATION WORKS
5. PLUMBING & DRAINAGE WORKS
6. FIRE & SAFETY SYSTEMS
7. KITCHEN EQUIPMENT INSTALLATION
8. TESTING & COMMISSIONING
9. OPERATION & MAINTENANCE



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Professional Kitchen Installations



Complete Commercial Kitchen Solutions for Luxury Hotels, Restaurants & Hospitality Facilities.



At **Zenith Energy Electrical Contracting - L. L. C**, we specialize in delivering comprehensive turnkey solutions for professional commercial kitchens in 5-Star Luxury Hotels, 4-Star & 3-Star Hotels, Resorts, Restaurants, Cloud Kitchens, Catering Facilities, Hospitals, Educational Institutions, and Industrial Kitchens. Our experienced engineering team provides complete design coordination, installation, testing, commissioning, and maintenance services that meet the highest international standards for safety, hygiene, efficiency, and operational excellence.



We understand that a commercial kitchen is the heart of every hospitality establishment. Our solutions are designed to maximize productivity, optimize workflow, reduce operating costs, and ensure uninterrupted operations while complying with local authority regulations and international food safety standards.

Our expertise includes:

Design & Engineering

- Commercial Kitchen Planning & Layout Design
- Workflow Optimization
- Utility Coordination
- Electrical Load Calculations
- Mechanical & MEP Coordination
- Kitchen Equipment Layouts
- Shop Drawings & As-Built Documentation

Plumbing & Drainage Works

- Hot & Cold Water Supply
- Drainage Systems
- Floor Drain Installation
- Grease Trap Systems
- Water Filtration Systems
- Water Softening Systems
- Kitchen Sink Installation
- Dishwasher Connections

Kitchen Equipment Installation

Our team installs a complete range of commercial kitchen equipment including:

- Combination Ovens
- Convection Ovens
- Steam Ovens
- Tilting Pans
- Bratt Pans
- Cooking Ranges
- Fryers
- Char Grills
- Salamanders
- Griddles
- Pasta Cookers
- Wok Stations
- Bain Marie Units
- Hot Holding Cabinets
- Blast Chillers
- Blast Freezers
- Walk-In Cold Rooms
- Refrigerators
- Freezers
- Ice Machines
- Dishwashers
- Glass Washers
- Food Preparation Equipment
- Bakery & Pastry Equipment

Electrical Installation Works

Zenith Energy provides complete electrical infrastructure for commercial kitchens, including:

- Main Power Distribution
- Sub Distribution Panels
- Power Cabling
- Cable Tray Installation
- Lighting Systems
- Emergency Lighting
- Equipment Power Connections
- Control Wiring
- Earthing & Bonding
- Lightning Protection
- Electrical Testing
- Load Balancing
- Energy Efficient Solutions

Testing & Commissioning

Zenith Energy performs complete testing and commissioning to ensure optimum performance and operational reliability.

Our commissioning services include:

- Electrical Testing
- Functional Testing
- Mechanical Testing
- HVAC Performance Testing
- Kitchen Equipment Calibration
- Safety Interlock Verification
- Fire Suppression Testing
- Gas Tightness Testing
- Air Flow Balancing
- Final Performance Testing
- Operator Training
- Handover Documentation

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Fire & Safety Systems

Safety is integrated into every kitchen installation through:

- Kitchen Hood Fire Suppression Systems
- Fire Alarm Integration
- Gas Leak Detection Systems
- Emergency Shut-Off Systems
- Fire-Rated Duct Installations
- Smoke Detection
- Emergency Ventilation Controls
- Compliance with UAE Civil Defence Requirements

Mechanical Installation Works

Our mechanical installation services include:

- Kitchen Ventilation Systems
- Fresh Air Systems
- Exhaust Air Systems
- Smoke Extraction Systems
- Ecology Unit Installation
- Make-up Air Units
- Kitchen Hood Installation
- Grease Duct Installation
- Gas Piping Systems
- LPG & Natural Gas Systems
- Steam Distribution
- Compressed Air Systems

Supply & Installation

We provide complete installation of:

- Cooking Equipment
- Preparation Equipment
- Refrigeration Systems
- Bakery Equipment
- Pastry Equipment
- Beverage Preparation Equipment
- Dishwashing Systems
- Food Holding Equipment
- Stainless Steel Fabrication
- Kitchen Storage Systems
- Cold Rooms & Freezer Rooms
- Walk-in Chillers
- Ice Making Systems

Operation & Maintenance

We provide comprehensive Annual Maintenance Contracts (AMC) covering:

- Preventive Maintenance
- Corrective Maintenance
- Emergency Breakdown Support
- Equipment Health Checks
- Spare Parts Management
- Calibration Services
- Performance Optimization
- 24/7 Technical Support





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Industries We Serve

Our professional kitchen solutions are trusted by:

- 5-Star Luxury Hotels
- Fine Dining Restaurants
- Central Production Kitchens
- Universities & Schools
- Shopping Mall Food Courts
- 4-Star & 3-Star Hotels
- International Restaurant Chains
- Catering Companies
- Corporate Cafeterias
- Cruise & Marine Catering Facilities
- Resorts
- Cloud Kitchens
- Hospitals
- Airport Lounges

Why Choose Zenith Energy?

- Complete Turnkey EPC Solutions
- International Installation Standards
- Hygienic Stainless Steel Installation Practices
- Compliance with International Food Safety Standards
- Reliable Testing & Commissioning
- Comprehensive Annual Maintenance Services
- Experienced Hospitality Engineering Team
- Premium Quality Workmanship
- Energy-Efficient Kitchen Solutions
- Timely Project Delivery
- Dedicated After-Sales Support
- Commitment to Quality, Safety, and Sustainability

Our Commitment:

At **Zenith Energy Electrical Contracting - L. L. C**, we are committed to delivering world-class professional kitchen installations that combine engineering excellence, operational efficiency, and uncompromising quality. Whether developing a luxury 5-star hotel kitchen, a boutique 3-star hotel facility, or a high-capacity catering kitchen, our expert team provides reliable, turnkey solutions tailored to the unique operational needs of each client.

"Engineering Professional Kitchens with Precision, Reliability, and Excellence – Delivering Efficient Culinary Environments for the Hospitality Industry."



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13. Renewable Energy (Solar Energy Generation)

1. OUR RENEWABLE ENERGY SOLUTIONS

2. OUR SERVICES

3. ENGINEERING EXCELLENCE

4. EPC CAPABILITIES

5. SOLAR TECHNOLOGIES



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Renewable Energy (Solar Energy Generation)





Installation,Testing, Commissioning, and Maintenance Powering a Sustainable Future

At **Zenith Energy Electrical Contracting - L. L. C**, we are committed to supporting the global transition towards clean and sustainable energy by delivering innovative, reliable, and cost-effective solar power solutions. Our expertise spans the complete lifecycle of solar photovoltaic (PV) projects, from engineering and procurement to installation, testing, commissioning, operation, and maintenance.

With a strong focus on quality, safety, and environmental sustainability, we provide renewable energy solutions that maximize energy efficiency while reducing carbon emissions and long-term operating costs.

Our Renewable Energy Solutions:

Utility Scale Solar Power Plants

Engineering, procurement, construction, testing, commissioning and maintenance of large-scale grid-connected solar photovoltaic power plants for utilities, independent power producers, and government sectors.

Residential Solar Solutions

High-performance rooftop solar systems designed to reduce electricity costs while ensuring long-term reliability and energy independence.

Commercial & Industrial (C&I) Solar Systems

Design and installation of customized rooftop and ground-mounted solar PV systems for commercial buildings, industrial facilities, warehouses, factories, hospitals, educational institutions, airports, and infrastructure projects.

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Hybrid Solar Power Systems

Complete hybrid energy solutions integrating solar PV, battery energy storage systems (BESS), diesel generators, and utility grid synchronization for uninterrupted and efficient power supply.

Off-Grid Solar Systems

Independent solar power solutions for remote communities, oil & gas facilities, telecom stations, construction camps, water pumping stations, and isolated industrial sites.

Our Services:

- Solar PV System Design & Engineering
- Load Assessment & Energy Audits
- Solar Farm EPC Projects
- Ground Mounted Solar Systems
- Car Park Solar Canopies
- Solar Inverter Installation
- SCADA & Remote Monitoring Systems
- Testing & Commissioning
- Performance Monitoring & Asset Management
- Annual Maintenance Contracts (AMC)
- Feasibility Studies & Energy Yield Analysis
- Grid Connection & Utility Approvals
- Rooftop Solar Installation
- Floating Solar Power Systems
- Battery Energy Storage Systems (BESS)
- Medium & High Voltage Electrical Integration
- Protection, Control & Automation
- Preventive & Corrective Maintenance
- System Upgrades & Expansion

Engineering Excellence:

Our experienced engineers utilize advanced engineering software and international design standards to deliver highly efficient, safe, and reliable solar energy systems.

Our engineering capabilities include:

- Electrical Design
- Earthing & Lightning Protection
- Load Flow Analysis
- Grid Compliance Studies
- DC & AC System Design
- Structural Design Coordination
- Short Circuit Analysis
- Energy Yield Simulation
- Cable Sizing & Routing
- Protection Coordination Studies
- Harmonic Analysis
- Plant Performance Optimization

EPC Capabilities:

Zenith Energy provides complete turnkey EPC solutions covering:

- Project Planning
- Logistics Management
- Electrical Installation
- Testing & Commissioning
- Operation & Maintenance
- Detailed Engineering
- Civil & Structural Works
- Instrumentation & Control
- Utility Synchronization
- Procurement of Tier-1 Equipment
- Mechanical Installation
- SCADA Integration
- Performance Guarantee Testing

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Solar Technologies:

We deliver projects using the latest technologies including:

- Monocrystalline Solar PV Modules
- HJT Solar Modules
- Battery Energy Storage Systems
- Solar Tracking Systems
- EV Charging Infrastructure integrated with Solar Power
- Bifacial Solar Panels
- String Inverters
- Smart Energy Management Systems
- Floating Solar PV
- TOPCon Solar Modules
- Central Inverters
- AI-based Performance Monitoring

Industries We Serve:

- Power Utilities
- Industrial Plants
- Ports & Marine Facilities
- Shopping Malls
- Residential Communities
- Government Authorities
- Manufacturing Facilities
- Railway & Metro Infrastructure
- Hospitals
- Data Centres
- Oil & Gas Facilities
- Airports
- Commercial Buildings
- Educational Institutions
- Water & Wastewater Facilities

Why Choose Zenith Energy?

- Complete EPC Solutions
- International Engineering Standards
- Advanced Testing & Commissioning Expertise
- HSE Excellence
- Timely Project Delivery
- Sustainable Engineering Practices
- Experienced Renewable Energy Professionals
- Highly Skilled Installation Teams
- Quality Assurance & Quality Control
- Cost-Effective Solutions
- Reliable After-Sales Support
- Long-Term Operation & Maintenance Services

Our Commitment

- At **Zenith Energy Electrical Contracting - L. L. C**, sustainability is at the heart of everything we do. We are dedicated to delivering innovative renewable energy solutions that help governments, utilities, industries, and businesses reduce carbon emissions, improve energy efficiency, and achieve long-term environmental and economic sustainability.
- **"Harnessing the Power of the Sun to Build a Cleaner, Greener, and More Sustainable Future."**
- This content is suitable for a premium corporate brochure and positions Zenith Energy as a comprehensive Renewable Energy EPC Contractor specializing in solar power generation.

INDUSTRIES WE SERVE

Zenith Energy

01. POWER UTILITIES

02. TRANSMISSION COMPANIES

03. DISTRIBUTION UTILITIES

04. OIL & GAS

05. PETROCHEMICAL

06. RENEWABLE ENERGY

07. INDUSTRIAL MANUFACTURING

08. INFRASTRUCTURE DEVELOPMENT

09. GOVERNMENT AUTHORITIES

10. PRIVATE DEVELOPERS

11. EPC CONTRACTORS



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Industries We Serve





ZENITH ENERGY ELECTRICAL CONTRACTING - L. L. C partners with government organizations, utility providers, industrial operators, EPC contractors, and private sector developers to deliver high-quality Engineering, Procurement, Construction (EPC), Testing, Commissioning, Operation, and Maintenance services. Our multidisciplinary expertise enables us to execute complex projects across the power, energy, industrial, infrastructure, and renewable energy sectors.

Our Key Market Sectors:

Power Utilities

Comprehensive EPC solutions for power generation, transmission, and distribution infrastructure, including substations, transmission lines, underground cable networks, grid interconnections, and utility expansion projects.

Distribution Utilities

Development, reinforcement, and modernization of Medium Voltage (MV) and Low Voltage (LV) distribution networks, including feeder systems, Ring Main Units (RMUs), package substations, transformers, switchgear, underground cable systems, and customer connections.

Transmission Companies

Engineering, construction, testing, commissioning, and maintenance of High Voltage (HV) and Extra High Voltage (EHV) transmission systems, GIS and AIS substations, overhead transmission lines, underground cable networks, and associated grid infrastructure up to **400kV.**

Oil & Gas

Integrated civil, mechanical, electrical, instrumentation, automation, and maintenance services for upstream, midstream, and downstream facilities, including refineries, petrochemical complexes, gas processing plants, LNG terminals, pipelines, tank farms, and offshore installations.

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Petrochemical

EPC services for petrochemical plants, chemical processing facilities, utility systems, hazardous-area installations, process automation, electrical distribution, instrumentation, and plant expansion projects.

Industrial Manufacturing

Engineering and construction solutions for manufacturing facilities, steel plants, cement plants, mining operations, food processing plants, pharmaceutical facilities, and other heavy and light industrial developments.

Government Authorities

Trusted execution partner for government ministries, municipalities, electricity and water authorities, transport agencies, defence infrastructure, and public sector development projects requiring high standards of safety, quality, and regulatory compliance.

EPC Contractors

Specialist subcontracting and partnership services for local and international EPC contractors, providing civil, structural, mechanical, electrical, instrumentation, testing, commissioning, and maintenance expertise for major infrastructure and energy projects.

Renewable Energy

Electrical infrastructure for utility-scale solar photovoltaic (PV), wind, hybrid renewable energy projects, Battery Energy Storage Systems (BESS), grid interconnections, collector substations, and Electrical Balance of Plant (EBoP) works.

Infrastructure Development

Execution of electrical and electro-mechanical infrastructure for airports, metro and railway systems, highways, bridges, ports, smart cities, commercial developments, residential communities, hospitals, universities, and data centres.

Private Developers

Turnkey EPC solutions for commercial, residential, industrial, hospitality, healthcare, mixed-use, and institutional developments, delivering reliable utility infrastructure and building services from concept to completion.

Delivering Value Across Every Sector:

Our multidisciplinary capabilities enable us to deliver complete Civil, Structural, Mechanical, Electrical, and Instrumentation (CSMEI) solutions for projects ranging from medium-voltage distribution systems to extra-high-voltage transmission infrastructure up to **400kV**. By combining technical excellence, experienced project management, and an unwavering commitment to safety, quality, and sustainability, **ZENITH ENERGY ELECTRICAL CONT RACTING - L. L. C** consistently delivers reliable, efficient, and future-ready solutions that meet the evolving needs of our clients across the GCC and international markets.

OUR STRENGTHS

Zenith Energy

01. TURNKEY EPC SOLUTIONS

02. HIGHLY EXPERIENCED ENGINEERING TEAM

03. SKILLED CONSTRUCTION WORKFORCE

04. ADVANCED PROJECT MANAGEMENT

05. INTERNATIONAL QUALITY STANDARDS

06. STRONG HSE CULTURE

07. TIMELY PROJECT DELIVERY

08. COST EFFECTIVE SOLUTIONS

09. CLIENT-CENTRIC APPROACH

10. SUSTAINABLE ENGINEERING PRACTICES



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Our Strengths





At **ZENITH ENERGY ELECTRICAL CONTRACTING - L. L. C** our success is built on technical expertise, operational excellence, and an unwavering commitment to quality, safety, and customer satisfaction. We combine multidisciplinary engineering capabilities with proven project execution methodologies to deliver reliable, cost-effective, and sustainable solutions for power, energy, industrial, oil & gas, renewable energy, and infrastructure projects.

Why Choose Us:

Turnkey EPC Solutions

We provide complete Engineering, Procurement, Construction (EPC), Testing, Commissioning, Operation, and Maintenance (O&M) services, delivering fully integrated project solutions from concept and design through commissioning and long-term operational support.

Skilled Construction Workforce

A dedicated workforce of experienced supervisors, technicians, electricians, cable jointers, mechanical fitters, instrumentation specialists, welders, and certified construction personnel ensures projects are executed safely, efficiently, and to the highest quality standards.

Highly Experienced Engineering Team

Our team of qualified engineers, project managers, and technical specialists brings extensive experience in delivering complex MV, HV, and EHV electrical infrastructure, industrial facilities, and multidisciplinary EPC projects up to **400kV.**

Advanced Project Management

We employ internationally recognized project management methodologies, supported by modern planning, scheduling, cost control, risk management, quality assurance, and digital reporting systems to ensure efficient project delivery.

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International Quality Standards

Our projects are executed in accordance with internationally recognized engineering codes and standards, including **IEC, IEEE, ISO, NFPA, API, ASME, and client-specific utility requirements**, ensuring consistent quality, reliability, and regulatory compliance.

Strong Health, Safety, Environment & Quality (HSEQ) Culture

Safety is at the core of everything we do. We maintain a proactive HSEQ culture through comprehensive risk management, safe work practices, workforce training, environmental stewardship, and continuous compliance with international health, safety, and environmental standards.

Timely Project Delivery

Through meticulous planning, effective resource management, and disciplined execution, we consistently deliver projects on schedule while maintaining the highest standards of safety and quality.

Cost-Effective Solutions

Through meticulous planning, effective resource management, and disciplined execution, we consistently deliver projects on schedule while maintaining the highest standards of safety and quality.

Client-Centric Approach

We build long-term partnerships by understanding our clients' objectives, maintaining transparent communication, responding proactively to project requirements, and consistently exceeding expectations through reliable performance and exceptional service.

Sustainable Engineering Practices

We are committed to sustainable development by implementing environmentally responsible construction practices, energy-efficient technologies, resource optimization, waste reduction, and innovative engineering solutions that support a low-carbon and resilient future.

Our Commitment

At **ZENITH ENERGY ELECTRICAL CONTRACTING - L. L. C,** we are committed to delivering safe, innovative, and high-quality EPC solutions that meet the evolving needs of our clients. Our technical expertise, multidisciplinary capabilities, and dedication to excellence make us a trusted partner for delivering complex infrastructure and energy projects across the utility, industrial, oil & gas, renewable energy, and infrastructure



QUALITY, HEALTH, SAFETY & ENVIRONMENT

Zenith Energy

At ZENITH ENERGY, safety and quality are fundamental to every project. We are committed to:

Zero Harm Culture	ISO Quality Management Principles	Environmental Protection	Risk Assessment
Safe Work Practices	Continuous Improvement	Regulatory Compliance	Customer Satisfaction



WHY CHOOSE ZENITH ENERGY

Zenith Energy



- Comprehensive EPC capabilities under one roof
- Expertise in MV, HV and EHV electrical infrastructure
- Strong multidisciplinary engineering team
- Proven project execution methodology
- Commitment to quality, safety and sustainability
- Reliable delivery from design through commissioning
- Long-term partnership approach with clients

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- At **ZENITH ENERGY ELECTRICAL CONTRACTING - L. L. C,** we are committed to powering industries, communities and nations by delivering reliable, innovative and sustainable engineering solutions that meet the evolving demands of the energy sector. Through technical excellence, integrity and operational efficiency, we strive to become the preferred EPC partner for critical electrical infrastructure projects across the Middle East and beyond.

CONTACT US

Let's Power Your Next Project

OFFICE ADDRESS

Office No. 50, Floor No. 03 (Third Floor)
Remah Tower, Zayed The First Street
Al Hisn 613, Plot No. C3, Sector W6
Abu Dhabi – 20035, United Arab Emirates

PHONE

+971 544 302 726
+971 556 280 495

EMAIL

ze@zenithenergy.ae
ajigeorge@zenithenergy.ae

WEBSITE

www.zenithenergy.ae

زينيتس انيرجي
ZENITH ENERGY

