

OMEC – MEP DESIGN ENGINEERING

OMEC PROJECTS PVT LTD

OMEC which is the abbreviation of **O**asis **g**race **M**EP **E**ngineers and **C**onsultants is a Private Limited Company incorporated in INDIA in 2012.

OMEC operates out of Chennai and serves customers pan India and select Gulf countries. With an expertise in MEP, LT/ HT Electrification substation, control rooms Solar Power plants and telecommunication towers OMEC has been executing project for renowned customers such as Larsen & Toubro, Reliance, Sterling & Wilson and others.

OMEC also undertakes Design and Engineering Services in the area of MEP through our group company that caters to a wide range of HVAC, Plumbing, Fire fighting, Electrical and Installation Inspection services. We bench mark ourselves to international standards and provide value addition to the benefit of customer in all that we do. The repeat orders from several customers stand as testimony for the same.

The expertise of the design team shall be evident from the diverse range of projects handled, from Luxury Hotels to High-rise Towers to Malls and Hospitals. We strongly believe in adhering to best practice solutions in sustainable design and work with clients to ensure all aspects of sustainability are considered.

Our Range of services

- ✓ Basic studies such as load analysis and suggesting the best Suitable System.
- ✓ Designing entire MEP systems, preparing a detailed set of drawings, establishing implementation standards, drawing up of specifications
- ✓ Conducting feasibility studies and performing due diligence
- ✓ Peer review of MEP designs
- ✓ Assistance in making conceptual presentations / Estimates
- ✓ Coordination and integration of all MEP services
- ✓ Preparation of detailed BOQ
- ✓ Technical comparison of bids received, drawing out comparative analysis of the system, scheme of design
- ✓ Assistance in commercial negotiations
- ✓ Visiting the site at regular intervals to do quality audits and to ensure compliance with specifications and design intent
- ✓ Reviewing the work progress and identifying risks at regular intervals, and make recommendations to mitigate them
- ✓ Documenting and communicating changes made to the stakeholders
- ✓ Verification of close out documents
- ✓ Quantification of work done and assist in commercial closure of the project.

Website: www.omecprojects.com

E-mail: info@omecprojects.com

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HVAC:

We have the exposure of working on projects of different sizes, applications and processes. We strive to give the end user the best value for money by providing optimal design with the proper balance of capital and operating costs, required redundancies, pragmatic and futuristic solutions.

- Load Calculation (Cooling and Heating)
- HVAC Duct Design & Layout
- Pipe sizing & Layout
- Central and localized Heating applications
- Mechanical Ventilation for parking and basement areas
- Refrigeration System for Cold Storages
- Clean Room applications for Pharmaceuticals and Hospitals
- Industrial Ventilation for Warehouses and Factories
- Central Evaporator cools for industrial and residential complexes
- HVAC equipment selection and layout
- Design of chilled water systems, DX AC systems
- Design of smoke ventilation systems
- BOQ.

Plumbing:

We have the expertise of working on Public health projects of different sizes, applications and processes. The designs conform to applicable statutory codes and standards. We also design sewage network, manhole calculation, tank sizing, Pump head calculation and etc there by provide End-to-End solutions.

- General internal and external plumbing systems
- Water supply Collection, pumping & piping distribution System
- Domestic water systems, including softening and treatment plant
- Central hot water generation & Supply solar water heaters / water generators
- Wastewater and Storm water system design and installation
- Rain water harvesting system
- Drainage collection, disposal system
- Sewage treatment plant
- Hydro pneumatic System for Distribution of water

Fire Protection:

Our experience in the design of life safety systems spans from providing protection to property and human life. The designs conform to applicable statutory codes and standards. We also design FM Global projects and furnish hydraulic calculations where it is called for.

- Fire Detection and Alarm System
- Fire Hydrant and Wet Riser System
- Sprinkler System
- Gas based Fire Suppression Systems
- Portable fire fighting equipments
- Pumping systems
- Fire suppression systems

Electrical:

We have experience in the design of fit-out as well as the base infrastructure of electrical systems. We understand the importance of the infrastructure provisions for continuity of business and provide solutions that are resilient, with redundancy and ease for scheduled and unscheduled maintenance. We understand the safety concerns of the client and provide designs that address those needs from the perspective of privacy, safety, detection and monitoring.

- Design of Power Distribution System.
- Electrical sub-station & distribution network
- Load calculations
- HT / LT Power Distribution, Panels and cabling
- Lighting design & selection of luminaries
- D.C. distribution systems
- Electrical Designing for Building Services
- Low voltages systems for building automation including communication, safety & surveillance and networks
- DG Sets & Transformers
- Erection Specifications
- U.P.S (Uninterrupted Power Supply)
- Earthing
- HVAC control systems

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- Lighting controls & Networks
- Access control and security alarms
- CCTV, Security systems and Public address systems
- Consumption monitoring
- HV switch gear
- Transformer
- Electrical panels and switchers
- Power distribution system
- Lighting and small power
- Emergency lighting.

Resources

Manpower

SI	Designation	Nos
1	Lead Engineer – HVAC	1
2	Lead Engineer – Fire Protection & Piping	1
3	Lead Engineer – Electrical	1
4	Mechanical Engineer	2
5	Electrical Engineer	2
6	Engineer HVAC & Utilities	1
7	Draughts men	12
8	Document controller	1
9	Support staff	2

Engineering Software used:

1. Auto CAD-2015
2. Revit MEP-2015
3. Dia lux
4. HAP 4.9
5. Other utility software.

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Our Projects:

- Luxury Hotels
- High-rise Towers
- Malls
- Hospitals
- Luxury apartments
- Villas
- Substation
- Hotels and more...

Partial List of Projects Completed:

- AL Ahli Sports Club - Qatar
- Offshore terminal PF 5.4 Eqpt Maintenance workshop
- Abounawaf Villa & Majlis - Qatar
- LLH Hospital , Branch-1 Qatar
- Farm House – Qatar
- SAHARA-4 at Dubai.
- Abu Dhabi plaza at Kazakhstan.
- Space well at Dubai.
- Marina city at Dubai.
- Rove Hotel at Dubai.
- Legoland at Dubai.
- River land at Dubai.
- Nikki beach at Dubai.
- JEBEL ALI SCHOOL at Dubai.
- Hassan Villa at Qatar.
- KIMS Hospitalat India.
- Sankara_Eye Hospital.
- SHIFA AL JAZEERA HOSPITAL at Muscat.
- City center at Qatar.
- Nad al shiba Zoo Project at Dubai.

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OUR PRESTEGIOUS CLIENTS



ENKON ENGINEERING

KP ENGINEERING

VBG CONSULTING ENGINEERING

PEACOCK TECHNICAL AND ENGINEERING DESIGN SERVICES

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