



Consulting Engineers for
MEP, IBMS & BIM SOLUTIONS



ABOUT US

C DESIGN consists of a team of professionals dedicated to achieving excellence in design and consulting services for our clients. With over 7 years in the industry, our experienced team has the resources and expertise to deliver project planning and design effectively and efficiently. Our experts bring design experience across various global locations.

C DESIGN is a process-driven, service-oriented firm that ensures principal involvement and commitment on every project.

Creating buildings with environmental and health safeguards is a priority for professionals like architects, designers, and engineers. Our expert team collaborates with clients to adopt environmentally conscious measures during the design and construction stages through Green Building practices. By strategically applying Green Building Rating Systems, we add value to our clients' properties.



Our Vision

Our vision is to be the leading MEP, IBMS, and BIM solutions provider, committed to energy conservation and creating efficient, secure, and sustainable environments.

Our Mission

Our mission is to deliver quality services that meet design requirements, timelines, and customer needs, fostering loyalty and repeat business. We provide innovative green building and MEP solutions that exceed client expectations and build trust.

Our Values

- *Timely Completion: We consistently fulfill our commitments on time.*
- *Quick Response with Quality Work: We prioritize fast responses without compromising quality.*
- *Implementation of Innovative Technology: We incorporate cutting-edge technology into our solutions.*

Services we deal with



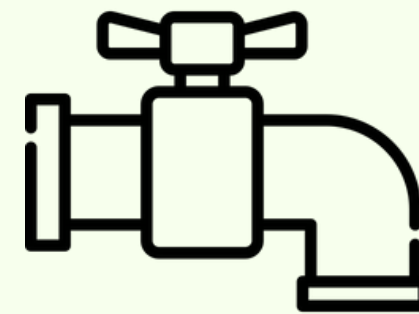
Electrical



HVAC



Fire safety



Plumbing



ELV, ICT & IBMS

HVAC DESIGN

Solutions we offer

- *DX- Conventional System & VRF-System*
- *Chilled water system*
- *Precision Air conditioning*
- *Evaporative Cooling*
- *Critical RH Application*
- *Cold Storage*
- *General and utility ventilation system*
- *Factory Ventilation system*
- *Kitchen Ventilation system*
- *Basement Ventilation system*
- *Pressurization systems.*



ELECTRICAL DESIGN

Solutions we offer

- High Voltage Distribution
- Captive / Standby Generation
- HT Power Distribution
- LT Power Distribution
- Power Distribution with in Buildings
- Uninterruptible Power Systems (UPS)
- Power Control Demand Control
- Lighting Protection and Load System
- Emergency Lighting
- Earthing System
- Solar System
- Building Automation System



FIRE SAFETY SYSTEM DESIGN

Solutions we offer

- Hydrant & Sprinkler systems
- Water Mist Fire Suppression
- Water curtain for car park area
- Wet & Dry Risers
- Gas Suppression system
- Kitchen hood Fire Suppression system.
- Fire Alarm & public address systems.
- Aspiration detection system for highly sensitive areas
- Requirements Related to FM Global / NFPA all International Norms.



PHE SYSTEM DESIGN

Solutions we offer

- Internal cold and Hot water supply system
- Internal soil, waste and vent system
- Roof rain water down take system
- External water supply system
- External drainage system (Soil, Waste, vent and storm water)
- Plant rooms
- Water and waste water treatment plants
- Landscape Irrigation
- Rain water recharge and reuse
- Technical support of Green building certification



Consultant Profile



Mr. J. Krishnaraj. IGBC AP

Overall Experience 17+ years' In HVAC & MEP Industries.

- 2016 onwards – M/s. C Design Engineered Solutions, Chennai, India (Principal Consultant)
- 2017 to 2018 - M/s. Inception Institute of Building Science, Chennai. (HVAC - Trainer)
- 2012 to 2016 - M/s. Innowell Engineering International Pvt. Ltd., Chennai. (Manager–MEP)
- 2010 to 2012 - M/s. Hitachi Home & Life Solutions (India) Ltd, Chennai. (Head - HVAC Design)
- 2008 to 2010 - M/s. airdesign engineered solutions, Chennai, India (HVAC Designer)
- 2007 to 2008 - M/s. ETA Engineering pvt.Ltd, Chennai, India (HVAC Designer)
- 2006 to 2007 - M/s. VOLTAS Pvt.Ltd, Chennai, India (HVAC Site Engineer & Designer)

Academic

- Diploma in Refrigeration and Air conditioning 2006. (G.T.T.C)
- B.Tech - Mechanical (Karnataka University)

Membership

- Member of Indian green building council (IGBC)
- Member of Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE)
- Member of Forum of Critical utility services (FOCUS)

Associate Consultant Profile



MR. R. Karthikeyan

Overall Experience 15+ years' In PHE & MEP Industries.

- 2016 onwards – M/s. MEHA Engineers, Chennai, India (Principal Consultant)
- 2013 to 2018 - M/s. Mott MacDonald India Limited – Chennai, India
- 2008 to 2013 - M/s. Consolidated Construction Consortium Limited, Chennai

Academic

- Diploma in Civil Engineering 2005
- Bachelor of Engineering in Civil Engineering, Government college of Engineering, Salem.
- Master of Business Management in Project Management 2014, Alagappa University

Membership

- Member of Indian Plumbing Association – Chennai Chapter since 2020

Our Team..



B.A. Athick Ahmed

Business Head



S. Srinivasan

Sr. Designer



K. Mugundhan

Sr. Designer



T. Manivannan

Sr. Designer



C. Chemosh Tony

Designer



M. Mohamed Thoufiq

Designer



Mohamed Sameem

Designer



A. Prakash

Designer

OUR SCOPE OF SERVICES

Includes..

- *Building Survey & Feasibility Study*
- *Concept Design Submittal*
- *Budgetary Proposal*
- *Detail Design Development*
- *Preparation of Bill Quantities*
- *Preparation of Material Specification*
- *Preparation of Tender Document*
- *Vendor Bid Evaluation / Review*
- *Preparation of Construction Document*
- *Construction and Commissioning Management*
- *Performance Analysis of Installed System.*



OUR SCOPE OF SERVICES

PROJECT MANAGEMENT AND IMPLEMENTATION

Project planning of all services Scheduling of works and co-ordination with all agencies Inspection of equipment on your behalf as deemed needed for the work Day to day or Periodic Site Supervision Operation of site office if needed on job to job basis Site meetings and Assessment of progress of work as per schedule Co-ordinate between different agencies in final commissioning of all equipment and systems.

TENDERING, EVALUATION AND RECOMMENDATIONS

Preparation of Tender Document along with conditions and guidelines for completion of works Pre-qualification of Contractors suitable for your facility Notice inviting Tender on your behalf if intended by your Comparative statement for Tenders-Commercial, Technical, Unit rates & Amounts Recommendation for award of work based on the analysis



OUR BIM SERVICES

- **BIM Services**

- BIM Planning for Organization
- BIM Modelling for all stages
- 4D & 5D Simulations
- Point Cloud to BIM Modelling
- Asset Information Model
- BIM Training for Individuals

- **Engineering Services**

- HVAC system design
- Clean room design
- Fire fighting design
- Public health engineering design
- Electrical & ELV

- **Architectural**

- Sustainable Design
- Interior & Exterior design
- Floor plan & Elevations
- Landscaping

- **Drafting Services**

- Design stage drawing
- Construction shop drawing
- As-built drawing

- **Visualization Services**

- Rendering
- Walkthrough



OUR STRENGTHS

Why Engineering Consultancy from C Design?

- *High accuracy*
- *High data security*
- *Meeting international drawing standards.*
- *Helps clients to drastically reduce their capital and operating expenses*
- *Quick Turnaround Time*
- *Advanced technology*
- *Innovative Design*
- *Highly skilled professionals*



OUR MAJOR CLIENTS...



Home Foods



FOXCONN

sify

HCL



Banca Sella

ACT
FIBERNET

FSS
POWERING
PAYMENTS

UNIVERSAL
menswear



CONTACT US

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