

SHASHIDHARAYYA KOPPAD

PROFESSIONAL SUMMARY

A COEPP- Grade A Mechanical Engineer with over all experience of more than **20+ years** across India and Middle East in various fields of engineering, design, consultancy, contracting, supervision, design review, quality assurance and quality control. Worked in diversified projects including Residential, Commercial, Educational, Industrial, Healthcare, Governmental, Royal Court and US Navy/Military Sectors. Acquired extensive knowledge in the design of building services including HVAC, Fire Protection and Plumbing Systems.

Well versed with Local, National and International Building Codes.

A LEED® (Leadership in Energy & Environmental Design) Accredited Professional from United States Green Building Council – Washington D.C

KEY COMPETENCIES

- ✓ Experienced in Designing and Executing HVAC, Plumbing, Drainage and Fire-fighting multi-storey buildings.
- ✓ Application and selection of various types of HVAC equipment including air handling units, fans, coils, condensing units, and furnaces.
- ✓ Specification preparation, BOQ preparation/Verification of BOQ, tenant guidelines and schematic to construction design document preparations based on project requirements.
- ✓ Complete HVAC system design calculations including cooling and heating load estimation, Air distribution design, chilled water/DX system design.
- ✓ MEP Execution - Post contract documents review.
- ✓ On-site inspections of HVAC system installations. cooling towers, pumps, and associated system accessories.
- ✓ Coordinates with the clients and other Consulting Engineers at any phase of the project as well as the Contractors during the construction stage.

JOB RESPONSIBILITIES

In charge of HVAC system design calculations including cooling and heating load estimation, Air distribution design, chilled water/DX system design. Equipment selections, Specification preparation, BOQ preparation/Verification of BOQ, tenant guidelines and schematic to construction design document preparations based on project requirements.

- **In charge of mechanical designs for HVAC, air control, fire protection and elevators while providing SME input to client and design teams.**
- Designing of Plumbing-Water Supply, drainage and firefighting:- Demand unit and loading unit calculation, pipe and pump sizing, riser diagram preparation, fire-fighting design in co-ordination with Civil defense.
- Produce tender documents, invite bidders, receive and analyse tenders, select and recommend suppliers. Validate material submittal given by the Contractor.
- **Hands-on ability to operate the infrastructure of a modern server room facility, including cooling, power, security systems, control systems, ventilation systems, plumbing, and related mechanical systems.**
- Design utilities and HVAC systems for high technology facilities, including cleanrooms, general manufacturing and process and institutional facilities.
- Handle Commissioning, qualification and change control activities related to HVAC, chiller plants, domestic and process water systems, etc.
- Experience managing and negotiating contracts and vendor relationships
- Apply technical troubleshooting ability to create quality HVAC and air control solutions.
- Prepare sheet metal fabrication drawings, modifications and commercial specification drawings using Revit and AutoCAD

Address: Manama, Kingdom of Bahrain

Contact: +973-39101748

Email: sskoppad@gmail.com

EDUCATION

- ✓ Bachelor's in Mechanical Engineering from Bangalore University
- ✓ A Certified LEED® AP from United States Green Building Council – Washington D.C

TECHNICAL SKILLS

- HAP 5.0
- E-20.
- Trace load
- AutoCAD, AUTOCAD MEP, Revit
- Well-versed with International Building codes and standards like ASHRAE, NFPA etc
- Manage Design and Quantity Surveying teams
- Project Scheduling
- Building Systems and Services
- Construction Supervision
- Problem resolution
- Project organization
- Team management
- MS Office

CERTIFICATIONS

- Completed certification in Leadership in Energy and Environmental Design Accredited Professional (LEED AP)
- Undergone training on Pneumatic and Hydraulic Controls at Foreman Training Institute.
- Certificate Course on "Nastran/Patran" from M S Ramaiah School of Advanced Studies.
- Certificate Course on "Psychometry Systems" from Society of Engineers Dubai UAE
- Certificate Course on "HVAC Load Calculations Profiling Energy Simulations" from Society of Engineers Dubai UAE

ACCOMPLISHMENTS:

- Handled various Commercial, Educational Residential, Health care, Government, Royal Court, Warehouses, Retail outlets/ hypermarket, Hotel, Cinema projects independently from **Inception Design stage till completion.**
- **Handled Post-construction requirements**
- Lead person in the team to obtain approvals from Electricity, Water and Municipality
- Supervised and mentored junior engineers and draftsman.
- **Worked as a team member in assessing LEED Certification for existing buildings of Qatar University**

PERSONAL INFORMATION

- ✓ Marital Status: Married
- ✓ Driving License: Yes, Bahrain & Dubai
- ✓ Visa Status: Company Sponsored

- Liaise between various department, facilitating communications and keeping appropriate parties updated on project developments.
- Guide and direct Third-party inspectors through project construction, commissioning and closeout.
- Coordinate with utility service providers according to project timelines.
- Conduct routine quality audits to verify progression against specifications and initiated corrective actions to remedy concerns.
- Lead weekly Technical Coordination Meetings with contractor, facilitating stronger communication and helping to resolve critical issues.
- Obtain building and specialty permits from local jurisdictional agencies.
- Lead testing and commissioning process before handover.
- Leading BIT Audit by providing government requirements related to projects
- Was involved in performing troubleshooting, diagnosis and repair of drug manufacturing equipment.
- Reduced maintenance accidents by enforcing strict safety standards.
- Met compliance with city safety regulations and led team in regular safety education.

EMPLOYMENT HISTORY

- ❖ **MEP Manager since October 2010 till date**
Mohamed Salahuddin Consulting Engineering Bureau (MSCEB), Kingdom of Bahrain
- ❖ **Sr. Mechanical Design Engineer since April 2009 to October 2010**
GHD Global Consulting, Doha- Qatar
- ❖ **Sr. Mechanical Engineer from September 2007 to March 2009**
Cansult Maunsell AECOM, DUBAI
- ❖ **Sr. Mechanical Engineer (HVAC design) from April 2006 to August 2007**
ETA-INFOTECH, DUBAI
- ❖ **Sr. Mechanical Engineer (HVAC design) from March 2005 to April 2006**
WS Atkins India Pvt Ltd, BANGALORE
- ❖ **Sr. Mechanical Engineer from February 2002 to February 2005.**
Freeman White Cad India Private Limited, TRIVANDRUM (Subsidiary of Freemanwhite Inc, USA)
- ❖ **Sales/Project Engineer from August 2001 to January 2002**
KNND Associates Private Limited, BANGALORE
- ❖ **Engineering Officer (Utilities Maintenance/Projects) from January 1999 to July 2001**
Cipla Limited, BANGALORE
- ❖ **Service Engineer from February 1997 to January 1999**
Infantry Compressors & Machineries Private Limited, BANGALORE

KEY PROJECTS HANDLED:

MSCEB

Residential: Souq Al Baraha (64000m² and 1130 tons), Proposed Residential Building at Diyar Al Muharraq, Mixed Use Development, **Floating City & Retail Village at Diyar Al Muharraq**, Masara Residence, **Ministry of Housing Social Housing Projects**, Villa 104 Bahria, Guest House at Riffa, Houran Residence (19 floors), Fakhro Development.

Commercial: Mazda Car Service Centre, First Motors Development, Mixed Use Development at Seef Kids Club, **Oasis Mall (25000m² 1750 tons)**, Fuel Station, **Commercial Laundry Facility, Bahrain Fibre Glass Manufacturing Facility**, The Domain Hotel (34 floors), Bahrain Indoor Sky Diving (BISD), Fakhro Commercial Centre

Educational: Proposed Private School, Ibn Khuldoon International School (16000m² and 1300 tons), University College of Bahrain, Al Noor Private School, Philippine School.

Data Centers: Refurbishment of data centers in US Navy Projects in Bahrain. Server rooms for couple of projects.

Ministry, Royal Court & Others: Sheikh Khalifa bin Salman Park (largest park in Bahrain), **Equine Hospital (6250 m² and 210 tons)** Royal Court Projects (Sakhir Palace Majlis (SPM), SPM-HM, HMSP, WAS, WANP (15000m² and 900 tons)), King Fahad Cause Way Authority*1.

Industrial: BFG International, Al Bilaad Warehouses, GCT Warehouses, GAC Warehouses.

GHD GLOBAL CONSULTING

Abraj Quartier Residential tower at Pearl Qatar, Doha International Airport addition renovation & expansion, Cultural Village, Beverly Hills Al Rayyan-II, **Kahramaa Al Khor Pump Station, City Centre renovation + addition, Qatar Petroleum (Pump Station, Control Room & Telecom Room)**, Bilal Apartment Building.

Cansult Maunsell AECOM & ETA INFOTECH

Dubai International Airport Expansion (Terminal 3 and Concourse 2).

Dubai Festival City AC 79 Zone 8B. Intercontinental Hotel (34 storey & Crown Plaza (20 story) and Office Tower (34 story).

WS Atkins India Pvt Ltd, BANGALORE

Clock Tower Apartments (11 Story) & City Garden Apartments (14 Story) Azerbaijan, **Trivandrum International Airport**, Lulu Shopping Mall Kochi.

Freeman White Cad India Private Limited

Health Care: Forsyth Hospitals, Sara Lee Centre for Women's Health, Winston Salem Spartanburg Hospitals, Spartanburg ED Pavilion. Carolina Medical Centre (CMC), More Head Medical Plaza, Charlotte, Medical Centre of Central Georgia, Macon GA, Rowan Regional Medical Centre, Salisbury, Randolph Hospital, Asheboro, NC

Senior Living: Capston Village Retirement Community, Tuscaloosa Alabama, Windsor Meade Continuing Care Retirement Community, VA, Clare Oaks retirement Community, Bartlett IL, Village at Germantown, Memphis, TN.