

ARSHAD SIDDIQUI

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Citizen : Pakistani / Canadian
DOB : 28 Dec, 1971 , Married

HIGHLIGHTS

- 20 years industrial experience of the field of HVACR system designing, Construction, Infrastructure and MEP multimillion orders.
- Approved Professional Engineer, Saudi Engineering Council
- Energetic, self –starter with good time management skills & team player
- Excellent problem solving/analytical abilities with good project coordination, planning and scheduling skills

EDUCATION

Master of Engineering (Mechanical) University of Concordia, Montreal – Canada (2008)
Bachelor of Engineering (Mechanical) N.E.D. University, Karachi – Pakistan (1996)

TECHNICAL TRAINING AND COURSES

- Package Air Conditioning System – Carrier, Damma – KSA
- VRV Air Conditioning System – DAIKIN, Riyadh - KSA
- Computer Aided Design M Code -- Pak Swiss, Karachi –Pakistan
- Basic & Advance Electronics - Creative, Karachi - Pakistan

PROFESSIONAL AFFILIATIONS

- Pakistan Engineering Council
- Saudi Engineering Council
- Institute of Engineers Pakistan
- Member of Society of Heating Ventilation Air Conditioning & Refrigeration Pakistan

RESEARCH INTEREST

- Enthusiastic to proceed for Ph.D. in the field of Refrigeration and Air Conditioning Using both experimentation and Numerical Simulations

RESEARCH EXPERIENCE

- Ventilation System of Al Shati building – Dammam, KSA
An eight story high rise building having serious complains of bad odor in the office area of each floor of the building. There were four toilets on each floor dumping exhaust air into a shaft with an individual ceiling exhaust fan. After air flow and static pressure testing I figured out, natural ventilation through the shaft to the environment was much less than the exhaust from the toilets in the shaft area due to cold and heavy exhaust air and high shaft static pressure.
- SABIC Head Office Building – Jubail, KSA
Proof of hot and humid fresh air duct passing through the conditioned space does not require insulation to avoid condensation.

- Al Hadeed – jubail, KSA
Investigation of Heat transfer loss in chilled water pipe passing through the 500 meter sea water.

TEACHING EXPERIENCE

- Four years experience conducting various Lecture and trainings in Companies.
- Ten years experience of private tutoring and mentoring to under-graduate and high school students.

SKILLS AND STRENGTH

Professional Strength

- Expertise in Supervision, Execution, Design, Testing and Commissioning of HVAC, Plumbing, Fire Suppression Systems related to residential, commercial and Government buildings (i.e. Villas, schools, warehouses, pharmaceuticals, hospitals, laboratories, office buildings, high rise buildings many others).
- Able to perform (HAP-program) Cooling load calculations, Refrigeration system, Duct design, Chilled water piping design, Pump static head calculations, Plumbing drainage and water supply design, (Elite-program) fire sprinkler head calculation and equipments selection etc.

Design and Supervision

Design and executed over multimillion orders. Controlled and supervised subcontractors, vendors and more than 124 nos. of technical staff and labour in a project. Following systems are designed and executed:

- Water cooled chillers, air cooled chillers, cooling towers, thermal storage units, air handling units, heat recovery units, FCU's, package AC units, central split AC units, Ventilation systems, chilled water pumps, chilled water piping & ducting network etc.
- Sanitary system, storm drainage system, storm drainage systems, sanitary and water fixtures, hot and cold potable water systems, sewage & storm water lift station, gray water recycling plant.
- fire suppression system including fire pumps, sprinkler system, fire hose reels, fire hydrants, fire extinguishers, NOVEC system and FM-200 ETC.
- Infrastructure sewage & storm water network, water network, Irrigation water pump with piping network, building management systems, swimming pools, water treatment plants and others.
- Reviewed design drawings, As-built drawings, shop drawings, calculations, material submittals, technical queries, design modifications and variation orders etc.
- Expertise in installation inspection, material inspection, testing, commissioning & balancing procedures preparation of punch/snag list issued during project handing over stage in the line with operation & maintenance (O&M) and As-Built drawings requirements.
- Ensuring on time deliverable within assigned budget and milestones as per agreed contract.
- Working knowledge of International Codes & Safety Standards such as UPC, ASHRAE, SMACNA, NFPA, etc.

Communication

- Communicating with contractors, vendors and suppliers.
- Conduct and attended weekly meeting to resolve design and quality issues.
- Delivered lectures in the class of 25 plus students in a tuition center.
- Directing team of engineers for engineering evaluation of 24 story high rise Escott hotel Jeddah, KSA.
- Supervised team of 124 including foreman, technicians, skilled workers and labour st site to complete mechanical work of a project.

Project Management

- Successfully completed many projects as project manager (mechanical). Detail may be available upon request.

PROFESSIONAL WORK HISTORY

NED University of Engineering & Tachnology, Karachi - Pakistan: Working as Assistant Professor	April, 2018 to date
N&N Engineering Services, Riyadh – KSA : Working as Sr. Mechanical Engineer	February, 2016 to March, 2018
Saudi Labnies Modern Construction Company, Riyadh – KSA : Working as Sr. Mechanical Engineer	March, 2010 to Feb., 2016
Consul-Tech International, Karachi – Pakistan: Worked as Consulting Mechanical Engineer	August, 2009 to March, 2010
Air Management Inc., Mississauga -Canada Worked as In charge Quality Control & Shipping Receiving	March, 2006 to August, 2006
Prime engineering Methods, Karachi, Pakistan Worked as Manager Projects (Mechanical)	December, 2004 to January, 2006
Mahmooda Trading & Technical services – Al-Khobar, KSA: Worked as SITE Engr / Project Manager (Mechanical)	April, 1998 to November, 2004
Prime engineering Methods, Karachi, Pakistan Worked as Trainee Mechanical Engineer	June,1997 to March,1998

References can be furnished upon requirement