

Senior Mechanical Engineer/Designer & Sales Engineer

Integrated Architecture is a nationally recognized Architecture/Engineering firm offering expertise in all aspects of sustainable architecture, planning, engineering, and interior and landscape design. It is dedicated to the mission “to serve and delight our clients” through the creation of transformative and humanizing environments where individuals can achieve their full potential through creativity, collaboration and productivity.

TALENT ACQUISITION PHILOSOPHY: In our quest to achieve the highest levels of excellence, innovation and product quality, IA seeks and develops relationships with highly capable and professional talent regardless of its immediate staffing needs. This includes interns as well as seasoned professionals. We are seeking people whose personal talent, professional skills and experience and values align with the IA Legacy and Culture.

POSITION: Senior Mechanical Engineer/Designer & Sales Engineer

REPORTS TO: IA Partner

POSITION DESCRIPTION: The position of assuming Senior Mechanical Engineer is focused on the planning and design of complex HVAC systems which integrate into IA award winning designs. The Senior level professional must assume a leadership role in this process with clients and project teams. Monitoring of mechanical engineering staff, HVAC load and energy modeling, sustainable building strategies, product sizing and selection, fire protection planning, accurate field/retrofit evaluation and analysis, and problem solving represent core responsibilities. Provide Internal Sales Engineering to Project Managers utilizing excellent client communications and presentation skills to assess client needs, design effective solutions and present complex MEP concepts with clarity and focus; communicate/promote/sell IA Integrated Solutions to clients; engage in project estimating and budgeting; and maintain a project pricing database for future reference. Professional oral, written communications skills is a must.

QUALIFICATIONS EXPERIENCE: The successful candidate will have a minimum of 5 years experience, an earned BS degree in Mechanical Engineering from an accredited university and be a registered professional engineer. LEED certification or knowledge of the LEED design process is needed; knowledge of BIM software a plus.

PRIMARY RESPONSIBILITIES AND PERSONAL SKILLS:

1. Critical thinking and complex problem solving are required; professional written/oral communications with focus and brevity; efficient time management, project organization and planning skills required.
2. Experience in Trane Trace software for Load Calculations, Energy Modeling, HVAC system sizing of equipment components and selection of utility systems; research, design and recommend Heating, Ventilation and Air Conditioning (HVAC) and Mechanical systems.
3. Provide sales engineering support to Project Managers which includes client assessment of need; create and promote IA Integrated Solutions; estimate/provide cost data of client solutions.
4. Assist with internal/external coordination of all design and construction trades including architectural, structural, plumbing, fire protection and electrical systems.
5. Accurate field evaluations and assessments to identify potential challenges.
6. Plumbing and Fire protection design capability may be required.
7. Proficient with MicroStation or AutoCAD as well as Microsoft Office. Expertise in REVIT a plus.
8. Research, evaluate and design equipment and processes to meet specific design requirements.

9. Writing/editing system performance specifications, operating procedures and installation standards.
10. Detailed knowledge of industry codes and ASHRAE Standards.

Integrated Architecture nurtures a professional work environment which provides opportunities for learning, growth and development. It offers an excellent benefit package, and the opportunity to work on nationally recognized projects with a high capacity engineering studio team.