

Commissioning Engineer / Project Manager

This position involves technical field commissioning and retro-commissioning on various projects for professional, corporate and public sector clients. Specific tasks will include implementation of technical commissioning and retro-commissioning processes and standards, review of project design documents, preparation of commissioning plans, attendance at project meetings, inspection and functional testing of installed equipment and systems, and preparation of commissioning and retro-commissioning reports. This position will also coordinate commissioning and retro-commissioning activities with other professionals and contractors on the projects.

Required:

- 2+ years combined building systems commissioning and retro-commissioning experience
- 4+ years combined HVAC and controls experience
- Bachelor's degree in engineering or equivalent
- Commissioning or retro-commissioning certification preferred
- CxA/CCP preferred
- Mechanical and/or electrical design experience preferred
- Test and balance certification a plus
- LEED AP a plus
- Strong communication, project management and organizational skills

Knowledge of:

- National standard commissioning and retro-commissioning processes (i.e. ASHRAE, ACG, NEBB, LEED, BCA)
- Mechanical (HVAC) systems: unitary systems, air distribution (fans, ducting, VAVs), refrigeration systems, chilled water systems, hot water heating systems, steam heating systems
- Electrical systems: power distribution, lighting and lighting controls, emergency power, UPS, renewable energy systems
- Plumbing systems: domestic hot water heating, grey water systems
- Building automation systems, diagrams, points and sequences
- Test and balance process and procedures (air & hydronic)

Skilled in:

- Writing commissioning and retro-commissioning plans
- Reviewing design and construction documents
- Writing design and submittal review comments for review by design team
- Writing and revising procedures for specific projects
- Writing and revising field observation reports per project requirements
- Documenting and verifying start-up procedures
- Writing detailed step-by-step functional performance test scripts
- Recording and verifying test data and results

Ability to:

- Review and comment on Owner's Performance Requirements (OPR) and Basis of Design (BOD) documents
- Read and interpret construction plans and specifications, particularly for MEP/FP systems
- Verify equipment/system installations comply with construction documents and manufacturer's installation instructions
- Identify installation and operational issues and document them
- Verify resolution of issues
- Determine testing requirements for specific systems and equipment
- Write commissioning and retro-commissioning reports
- Travel to/from jobsites on a regular basis