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Audio Visual Systems Project Engineer

Description

WPS is an iconic, family-run AV systems integration company with over 35 years of experience. Our team are experts in their fields and are constantly helping customers solve complex and challenging problems. WPS clients include Fortune 500 companies, professional sports teams, famed international performance venues, recreation and theme parks, and governments at the local, state, and federal levels. WPS is well-respected and known in the industry for producing the highest quality work, regardless of budget or project size.

WPS is actively seeking an experienced audiovisual systems Project Engineer to be the technical lead on large scale, commercial AV integration projects from conception to completion.

The System Design Engineer is the technical lead on a project team who will be instrumental in the determination and execution of design/build and bid system concepts, designs, and construction ready system build documents meeting customer requirements and bringing audiovisual concepts to reality.

Responsibilities

- Work directly with clients and internal project teams to develop budgets, timelines, construction documents, and overall management of project expectations
- Lead teams of multiple technical staff on projects
- Conceptualize system designs, and determine system requirements
- Provide technical expertise and coordinate information to support design, bidding, installation, programming, etc.
- Oversee and assist in development of the Bill of Materials (BOM) and support documentation
- Develop detailed CAD drawings for construction packages
- Generate functional system descriptions, complete block wiring diagrams, manage wire tagging, rack elevations, custom plate development, cable assemblies, rigging/mounting drawings, custom program GUI, etc.
- Research, identify, and recommend technology options for clients and project teams
- Oversee and reconcile the construction drawing package, support documentation, updates, and construction changes, etc. throughout the project lifecycle for coordination with trades.
- Support field integration staff and provide on-site field engineering as necessary to complete projects, and implement final programming, testing and commissioning protocols to ensure system functionality as necessary.
- Participate in the development and management of corporate engineering and CAD standards to ensure standards of quality for all projects working with engineering and operational staff.
- Work alongside clients to guide, inform, and support system design concepts pre-sale and post-sale as a technical representative for the company.
- Maintain industry expertise by participating in industry trade shows,

WPS | Washington Professional Systems

Employment Type

Full-time

Job Location

Remote work from: East Coast USA

Valid through

31.08.2022

Base Salary

\$ 110,000 - \$ 130,000

seminars, educational forums, manufacturer trainings, and ongoing industry certifications.

- Provide counsel and direction to junior personnel in engineering projects, and peer review.

Qualifications

- College graduate with concentration in related field of study (electrical engineer, acoustics, audio engineering, construction, electronics, etc.)
- Proficient in Microsoft Office 365 software suite
- Proficient in AutoCad (Revit, Navisworks, 3D desired)
- Certification in primary DSP platforms (QSC, Biamp, BSS, Symetrix, Clearone, etc.)
- Certification in Control System Programming (Crestron, AMX, Extron, etc.)
- EASE
- Other relevant certifications may be required based upon specific technology focus of the position.

Skills

- 5+ years of experience in audiovisual systems technical design
- AVIXA CTS Certification (CTS-D or CTS-I preferred)
- Clear demonstration of understanding construction project phases from Program/Conceptualization through Construction and final Commissioning
- A thorough understanding of related construction trades (electrical requirements, HVAC, acoustical considerations, general construction practices)
- Detail oriented, independent, self-starter
- Ability to succeed with little direct oversight and management
- Exceptional time management skills with a track record of meeting deadlines and budgets
- Excellent communication skills with the ability to analyze and communicate difficult technical concepts concisely and clearly
- High level of problem solving and troubleshooting skills
- Ability to travel occasionally for projects throughout the US

Job Benefits

WPS offers competitive compensation and benefits packages including:

- Health insurance
- Dental insurance
- Vision insurance
- Life insurance
- 401(k)
- Paid time off

WPS an equal employment opportunity (EOE) and affirmative employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status or any other characteristic protected by law.