



If you're looking for a rewarding career with a professional, financially stable and growing company with the opportunity to use your skills, gain respect and thrive, then you've found the right place –

Communications Engineering, Inc. (CEI)

Headquartered just south of Washington, D.C. in Newington, VA, Communications Engineering Inc. (CEI) is an award-winning, consulting, design and systems integration company focused on the television broadcast, audio-visual and multi-media industries. CEI offers complete equipment service, support and training, and supplies products and services to a wide range of large, medium and small commercial clients as well as non-profit and government agencies.

Senior Systems Design Engineer, Systems Design Engineer

JOB DESCRIPTION

The Systems Design Engineer/Sr. Systems Design Engineer, under the direction of a Project Manager or senior engineering management, provides professional designs and systems engineering support required to take a turnkey broadcast/media/AV system project from inception to completion and client acceptance. Using AutoCAD and cable database programs, design video, audio, control, LAN and communications systems. The design process includes equipment and technology research and coordination with vendors. Assist with final system testing and client training.

Essential Functions:

- Develop designs that meet customer functional and budgetary requirements.
- Generating functional and connection-level drawings Design for video, audio, control, LAN and communications subsystems, including preparation of AutoCAD drawings and documentation.
- Provide equipment and technology research and coordination with vendors. Selection and qualification of equipment and software required for custom integration solutions.
- Developing cable run lists in database.
- Developing detailed equipment lists and budgets.
- Developing console layouts, equipment rack elevations and jack field layouts, etc.
- Design of building layouts, floor plans, rack elevations, consoles, etc. utilizing AutoCAD
- Provide continuous engineering support throughout the project, from inception through implementation.
- Support the installation crew.
- System and Equipment configuration, customer training and ongoing system's service.

JOB REQUIREMENTS

Basic Qualifications:

- Seven years of Broadcast and/or AV infrastructure design and commissioning experience.
- Broadcast and/or AV systems deployment experience including installation, commissioning and end user training.
- Equipment and systems repair experience.



- Knowledge of high bandwidth computer networking and storage - design and configuration.
- Knowledge of AutoCAD, MS Office, and Database Programs.
- Cisco network training and certifications are desirable.
- Ability to read and understand construction drawings and related documentation.
- Strong interpersonal skills, excellent oral and written communication skills.
- Must be able to manage strict timelines and multiple installation teams in order to meet deadlines.
- Ability to interact with field personnel, management and customers.
- Must be eligible to work in the US without sponsorship.

Preferred Qualifications:

- B.S, A.S. in Electronic Technologies or a related field. Equivalent experience and/or military training.
- CCNA or CCNE certification.
- Professional certifications (SBE, CTS, CTS-D, CTS-I, CEDIA) are a plus.
- Various manufacturer and/or non-manufacturer provided education in the fields of professional audio, video, and control system equipment and theory. Knowledge of broadcast equipment manufactured by Evertz, Harris, Miranda, Sony, Avid, Apple Final Cut Pro, etc.

Travel Requirements:

- Some travel is required

JOIN US

If you are considering a career in the broadcast, audio-visual or multi-media industries CEI sets the standard against which all others are measured. We're committed to our company's growth – and our employees' potential. CEI is an equal opportunity employer. Rely on CEI.

Please send your resume to:

humanresources@commeng.com

Human Resources
Communications Engineering, Inc.
8500 Cinder Bed Road, Suite 100
Newington, Virginia 22122

Fax: (703) 550-5180

Website: www.commeng.com