



Watch television, listen to the radio, surf the web or send a photo from your cell phone and, somewhere, at some point, you will touch a media network designed and engineered by Communications Engineering, Inc. If you're looking for an exciting career with a stable and growing high tech company and are ready to apply your skills to the most challenging technical and programmatic issues of today's exploding broadcast, audio-visual and multi-media landscape, then we want to hear from you!

## **Communications Engineering, Inc. (CEI)**

Headquartered just south of Washington, D.C. in Newington, VA, near the Springfield/Franconia Metro, Communications Engineering Inc. (CEI) is an award-winning, consulting, design and systems Integration Company focused on the broadcast, audio-visual and multi-media industries. CEI also offers support and training services as well as complete field and depot maintenance services. Our customers include a wide range of public and private, small, medium and large commercial businesses, non-profits and government agencies, both domestic and abroad. We are an energetic, highly motivated team, focused on the success of our customer's projects and the continued growth of our company.

### ***Audio Visual Systems Engineer***

#### **JOB DESCRIPTION**

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The Audio Visual (AV) Systems Engineer works in conjunction with our sales department and project management to take complex AV systems from inception to completion and client acceptance. The systems include, conference rooms, auditoriums, sound and projections systems, Video Conferencing (VTC) etc. 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.
- Experience specifying projectors screens and room design.
- Experience specifying and configuring sound reinforcement systems.
- Familiarity with audio video teleconference equipment.
- 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.
- Developing detailed equipment lists and budgets.
- Developing cabinet layouts, equipment rack elevations and jackfield layouts, etc.
- Provide continuous engineering support throughout the project, from inception through implementation.
- Support the systems installation crew.
- System and Equipment configuration, customer training and ongoing system's service.



## **JOB REQUIREMENTS**

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### Basic Qualifications

- SBE, CTS/CTSI certification.
- Five years of Broadcast and/or AV infrastructure design and installation experience.
- Familiarity with AMX, Crestron and Extron control systems.
- Knowledge of AutoCAD, MS Office, Visio and Database Programs.
  
- Broadcast and/or AV systems deployment experience including installation, commissioning and end user training.
- Knowledge of Audio Visual equipment manufactured by Christie, Cisco Tandberg, Extron, Biamp, ClearOne etc.
- Ability to read and understand construction drawings (architectural, mechanical, and electrical systems) 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:

- Professional certifications (CTS, CTS-D, CTS-I, CEDIA) are a plus.
- B.S, A.S. in Electronic Technologies or a related field. Equivalent experience and/or military training.
- CCNA, CCNE Certification.
- Cisco Tandberg training and certification.

### Travel Requirements:

- Some travel is required

## **JOIN US**

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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 offers a complete benefit package, including salary, major medical/dental, holidays, vacation and 401K. CEI is an equal opportunity employer. Rely on CEI.

Please send your resume to: [humanresources@commeng.com](mailto:humanresources@commeng.com)

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