

Senior Communications Systems Engineer

Position Summary

BW SOFTWARE US CORP is seeking a **Senior Communications Systems Engineer** to support the planning, design, integration, and delivery of communications systems for rail and transit infrastructure projects. The successful candidate will provide technical leadership in the design, coordination, review, and implementation of communications systems while collaborating with multidisciplinary engineering teams, clients, contractors, and stakeholders.

Key Responsibilities

- Lead communications systems engineering activities throughout project planning, design, construction, testing, and commissioning.
- Develop and review communications systems designs, specifications, and technical documentation.
- Coordinate communications systems with systems engineering, electrical, civil, facilities, and architectural disciplines.
- Review engineering deliverables to ensure compliance with project requirements, industry standards, and client specifications.
- Participate in multidisciplinary design reviews and technical coordination meetings.
- Support systems integration, interface management, and operational readiness.
- Identify technical risks and recommend engineering solutions.
- Review contractor submittals and provide technical recommendations.
- Support testing, commissioning, and acceptance of communications systems.
- Prepare technical reports, presentations, and engineering documentation.

Preferred Technical Experience

Experience with one or more of the following:

- Fiber Optic Networks
- Structured Cabling Systems
- Communications Backbone Networks
- CCTV & Video Surveillance Systems
- Public Address (PA) Systems
- Passenger Information Display Systems (PIDS)
- Emergency Telephone Systems
- Radio Communications Systems
- Access Control Systems
- Operational Technology (OT) Networks
- IP Networking

- Communications Systems Integration
- Interface Management

Minimum Qualifications

- Bachelor's degree in Electrical Engineering, Telecommunications Engineering, Computer Engineering, Systems Engineering, or a related engineering discipline.
- **10+ years** of professional communications systems engineering experience.
- Experience supporting rail, transit, transportation, or major infrastructure projects.
- Strong understanding of communications systems design, integration, and multidisciplinary coordination.
- Excellent written and verbal communication skills.

Preferred Qualifications

- Experience supporting Light Rail Transit (LRT), Heavy Rail, Commuter Rail, or Bus Rapid Transit (BRT) projects.
- Experience with communications infrastructure for transportation systems.
- Knowledge of systems integration, interface management, and testing & commissioning.
- Experience working with public agencies, engineering consultants, or transportation infrastructure programs.
- Relevant communications/network certifications are desirable.

Employment Type: Fixed-Term W-2 Employee

Contract Duration: One (1) Year, Renewable based on project requirements, client funding, business needs, and employee performance.

Work Arrangement: Hybrid (Client Site / Remote / BW SOFTWARE US CORP Office)

Location: Washington State

Why Join BW SOFTWARE US CORP

BW SOFTWARE US CORP provides professional consulting services supporting transportation, infrastructure, and digital delivery programs. Join a growing team delivering innovative engineering solutions for major public infrastructure projects while collaborating with experienced multidisciplinary professionals.