



# JOB OPENING ANNOUNCEMENT

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Employment Hotline (650) 508-6308

August 18, 2023

**TITLE:** Manager, Positive Train Control  
**EMPLOYMENT TYPE:** Exempt (Full-Time)  
**DIVISION:** Rail  
**APPLICATION DEADLINE:** Continuous recruitment until filled  
**PAY RANGE:** \$2,342-\$3,513 per week (\$121,792-\$182,688 estimated annual)  
**WORK LOCATION:** San Carlos, California

**JOB SUMMARY:** The Manager, Positive Train Control (PTC) reports to the Deputy Director of Systems Engineering and is responsible for the engineering and oversight of the PTC System for the Peninsula Corridor Joint Powers Board (Caltrain).

## EXAMPLES OF ESSENTIAL FUNCTIONS:

- Manage the configuration, updates, changes, and interface management, and integration of the PTC, their subsystems, and assets.
- Responsible for development and update of Caltrain technical specifications and standards for assigned systems.
- Represent Caltrain for System Integration activities for all Caltrain projects including Caltrain Peninsula Corridor Electrification Project (PCEP).
- Responsible for PTC updates and upgrade cutover effort for Caltrain.
- Responsible for PTC Integrated Lab located in Melon Park Control Center.
- Responsible for all documentation of assigned systems, including the book of plans, test plans/procedures, maintenance plans, procedures, cutover plans, and as built.
- Responsible for the development of maintenance plans for PTC System.
- Responsible for configuration management of the PTC system and its subsystems
- Manages integration of applicable AAR, EIC/ISA, IEEE, AREMA, AAR, and MIL standards, etc.
- Responsible for PTC interoperability with all tenants.
- Representing Caltrain for all PTC matters with the industry, AAR and ITC committees.
- Supervise staff. Hire, mentor, and take appropriate corrective and/or disciplinary action. Ensure EEO policies and procedures are followed. Participate in selection of staff. Coordinate staff training and professional development. Establish performance objectives. Monitor and evaluate employee performance.

## EXAMPLES OF DUTIES:

- Ensure Caltrain train control systems are functioning for optimal performance and in accordance with FRA mandated for all tenant railroads interoperability requirements.
- Provide general technical oversight of railroad train control systems and perform system usage and performance analyses.
- Manage PTC maintenance vendor and its support service.
- Manage all PTC related assets.
- Ensure Caltrain train control office systems are compatible with Association of American Railroad (AAR) standards and follow the International Test Commission (ITC) guidelines including "N-2" backwards compatible software versions.
- Responsible for all PTC operational performance reporting required by the FRA.
- Perform Annual performance review of I-ETMS Vendor.
- Develop engineering cost estimates related to PTC updates and upgrades
- Manage all PTC technology refresh and software upgrades/updates and associated testing without interfering with Railroad Operations.

- Evaluate job performance of staff which also includes the professional development of staff through the identification of on-the-job and other professional development opportunities.
- Perform all job duties and responsibilities in a safe manner to protect one's self, fellow employees, and the public from injury or harm. Promote safety awareness and follow safety procedures in an effort to reduce or eliminate accidents.
- Performs other duties as assigned.

**SUPERVISION:** Works under the general supervision of the Deputy Director, Railroad Systems, who provides policy guidance, establishes goals and objectives, monitors and evaluates performance.

**MINIMUM QUALIFICATIONS:**

Sufficient education, training, and experience to demonstrate the knowledge and ability to successfully perform the essential functions of the position. Development of the required knowledge and abilities is typically obtained through but not limited to:

- Bachelor's degree in Electrical/Electronic Engineering, Computer Science or related field.
- Five (5) years of professional railroad PTC experience or related field.
- Two (2) years of supervisory experience

**PREFERRED QUALIFICATIONS:**

- Experience with an emphasis on Positive Train Control and SCADA system development and maintenance is desirable.
- Experience with supervisory train control, wayside signal, highway crossing warning system, predictive and arrival system, and traffic signal control is desirable.
- Experience with rail industry systems, electrical interfaces, software and network protocols, and system integration with commercial off the shelf (COTS) hardware and software is desirable.
- Possession of a valid California license as a registered professional engineer is desirable.
- Must have effective oral and written communication skills.

**SELECTION PROCESS MAY INCLUDE:** The process will include a panel interview and may include written and skills test assessments or supplemental questions. Only those candidates who are the most qualified will continue in the selection process. Meeting the minimum qualifications does not guarantee an invitation to continue in the process.

**EMPLOYEE BENEFITS:**

For further benefit details please visit: [https://www.smctd.com/SMCTD\\_Employment.html#benefits](https://www.smctd.com/SMCTD_Employment.html#benefits)

- Holidays : Seven (7) paid holidays, plus up to four (4) floating holidays per year
- Paid Time Off : Up to 26 days per year
- Cafeteria Plans : Medical, dental, vision care, group life insurance, and more
- Transportation : Free transportation on Caltrain for employees. Free bus transportation for employees and qualified dependents
- Retirement : Social Security and California Public Employees Retirement Systems (CalPERS)
  - Classic Members – 2% @ 60 benefit formula, 3 year average of highest compensation
  - New Members – 2% @ 62 benefit formula, 3 year average of highest compensation

**HOW TO APPLY:**

- To apply, please visit the <https://www.caltrain.com/about-caltrain/jobs>. **Continuous recruitment until filled.** Complete an online employment application. A resume will not be accepted in lieu of the employment application.
- The Human Resources Department will make reasonable efforts in the recruitment/examination process to accommodate applicants with disabilities upon request. If you have a need for an accommodation, please contact the Human Resources Department at (650) 508-6308.
- Caltrain celebrates diversity and is committed to creating an inclusive and welcoming workplace environment. We are an Affirmative Action/Equal Opportunity Employer. Minorities, Women, Persons with Disabilities and Veterans are encouraged to apply.