Geotechnical and structural instrumentation and monitoring for California construction, led by a licensed geotechnical engineer from the stamped design through the data acquisition and engineering analysis.

PICO takes on each phase of a geotechnical instrumentation program, engaged as the project requires: the stamped design, field installation of instrumentation by a licensed contractor under PICO's direction, monitoring and maintenance, sensor data on PICO Monitoring, and licensed engineering analysis. PICO works for contractors, engineering primes, public agencies, port authorities, and transportation districts anywhere in California.

WHY PICO

Led by a California Geotechnical Engineer, personally accountable for the work.

Deron van Hoff holds California Civil Engineer C 56230 and Geotechnical Engineer GE 2575 licenses, with 38 years in practice. Whichever phases a project engages PICO for, the same engineer is accountable for them.

Access to secure data on PICO Monitoring.

Only the people invited to a project see its data, logged in with multi-factor authentication, and each person's role sets what they can view or change. Data is encrypted in transit and at rest, stored redundantly, and isolated from every other project. Every change a user makes is logged with the user's name and a timestamp, and alerts and their notifications are kept in a record that is never deleted.

Responsive to clients' needs.

We pride ourselves on being responsive to clients' needs, and our engineer has been an emergency contact for landslide and rockfall evaluations for past clients including the City and County of San Francisco, the Alameda County Flood Control and Water Conservation District, and Caltrans. Due to the nature of the work, we are available on short notice to respond to emergencies triggered by threshold exceedances.

FIRM DATA

LEGAL NAME	Prime Instrumentation Company Inc. dba PICO
ENTITY	California corporation
CERTIFICATION	California DGS Small Business (SB), certification 2055625
UNSPSC	81101514 Geotechnical or geoseismic engineering
NAICS	541330 Engineering services 541512 Computer systems design services
PSC	B519
SERVICE AREA	Headquartered in San Francisco. Serving all of California.

CORE COMPETENCIES

Instrumentation design. Instrumentation plans and specifications prepared and stamped by a licensed geotechnical engineer, with threshold values set with the design engineer.

Field installation. Sensors and hardware installed by a licensed contractor under the direction of PICO's engineer, then calibrated and baselined before they go live.

Monitoring and maintenance. Routine site visits, hardware serviced before it fails, reading frequency adjusted as construction changes, and decommissioning at the end of the project.

Data on PICO Monitoring. Readings, thresholds, and the site map on PICO Monitoring, with alerts by email and SMS and monitoring reports to the project's specification.

Licensed engineering analysis. A licensed geotechnical engineer reviewing the data, analyzing threshold exceedances and trends, and advising the project team.

RELEVANT EXPERIENCE

Professional experience of Deron van Hoff, PE, GE, includes the projects below, each performed with a prior employer.

- **WSDOT SR 520 Portage Bay Bridge, Seattle, WA** — Geotechnical Group Manager on D/B team
- **EBMUD Orinda Water Treatment Plant, Orinda, CA** — Lead Tunnel Inspector, owner's quality assurance
- **SFPUC SE Plant Headworks Facility, San Francisco, CA** — Project Manager and Lead Geotechnical Engineer
- **San Francisco Public Safety Building, San Francisco, CA** — Project Manager and Lead Geotechnical Engineer
- **Port of San Francisco Embarcadero Seawall Program, San Francisco, CA** — Project Manager
- **Little Balboa Island Sewage Pump Station, Newport Beach, CA** — Project Manager
- **Caltrans Division of Environmental Analysis Projects, throughout California** — Project Manager
- **Zuckerberg San Francisco General Hospital, Building 25, San Francisco, CA** — Project Manager
- **Buchanan Street Eastshore Highway Connection, Albany, CA** — Project Manager
- **Metro Red Line, Sta. 630+00 to Universal City, Los Angeles County, CA** — Project Engineer

CONTACT

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