

CARLOS ESPINOSA SALDAÑA

Product Support Engineer | Field Service Engineer | Automation Technician
Heavy Equipment, Electrification & Automation Systems

San Pedro, CA | cesp.secure@proton.me | (424) 200-9942

www.CESPsecure.com | linkedin.com/in/carlos-espinoza-146676334

Bilingual: English / Spanish | **TWIC Active** | **Passport in Hand** | 100% Travel Ready

PROFESSIONAL SUMMARY

OEM-aligned Product Support and Field Service Engineer with 9+ years of experience supporting Kalmar RTGs, UTRs, shuttle carriers, and automated terminal systems in live port environments. Strong background in automation awareness (Siemens TIA Portal, STEP 7, WinCC, Ignition SCADA 8.1), electrical and hydraulic systems, and safety-critical operations. Recognized for calm field judgment, zero safety incidents, and effective coordination with mechanics, electricians, and OEM engineers during maintenance, commissioning support, and system rollouts.

CORE TECHNICAL SKILLS

- Automation & Controls Awareness: Siemens TIA Portal, STEP 7, WinCC, Ignition SCADA 8.1, HMI operation, I/O awareness
- Electrical & Mechanical Systems: Motors, sensors, wiring verification, transformers, hydraulics (pumps, valves, cylinders)
- Field Operations & Safety: Equipment readiness verification, safe operation, lockout/tagout awareness, automation-zone safety
- IT & Systems Awareness: Linux CLI, OSI model understanding, Python fundamentals, cybersecurity awareness
- Leadership & Documentation: Shift leadership (6–12 personnel), SOPs, technical reports, PowerPoint briefings

PROFESSIONAL EXPERIENCE

Field Support Technician (Kalmar Equipment) | Longshore Operations – Port of Los Angeles (2016–2025)

- Provided operational field support for Kalmar RTGs, UTRs, shuttle carriers, and automated yard systems
- Safely operated equipment in live terminal environments and identified abnormal behavior during operations
- Reported equipment conditions and operational issues to maintenance teams and Kalmar OEM engineers
- Supported troubleshooting efforts by supplying accurate operational context and system behavior observations
- Escorted 40+ OEM engineers, electricians, and technicians through restricted automation zones
- Completed 1,000+ UTR tractor moves with zero safety incidents
- Verified 500–700 container moves per shift, improving terminal data accuracy by approximately 20%
- Authored daily operational reports, inspection logs, safety documentation, and shift briefings

Best Buy / Oculus (Pre-Meta) — Technical Deployment & Commissioning Support Specialist (2015–2016)

- Supported rollout and commissioning of Oculus VR systems across 52 retail locations
- Performed system setup, firmware updates, calibration, and operational verification
- Delivered hands-on training to store staff and regional technicians
- Authored installation and troubleshooting documentation used nationwide

SolarCity (Pre-Tesla Energy) — Solar Systems Commissioning & Customer Handoff Support (2012–2015)

- Supported commissioning and customer handoff of residential solar photovoltaic systems
- Educated customers on inverter operation, electrical production, and system safety
- Contributed to projects totaling more than \$3M in installed solar assets

EDUCATION

Associate of Science (A.S.) — Fire Science & Safety

Emergency Medical Technician (EMT) — Los Angeles County (Historic)

CERTIFICATIONS & SAFETY

- CompTIA Security+ CE
- CompTIA CySA+
- Ignition SCADA 8.1 Core Certified
- Master PLC Programming – Alison
- Advanced PLC Programming – Alison

- HMI & PLC Programming – Alison
- Diploma in Electric Vehicle Technology – Alison
- OSHA Lockout/Tagout (LOTO) – Active
- TWIC – Active | Passport – In Hand