



JOSEPH PERRY P.E., CFLC

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Professional Experience

With over 39 years' experience; Joseph A Perry P.E. is both a licensed Professional Electrical Engineer in California and Hawaii, and an Electrical Contractor in California. His multiple licenses require design, installation experience, and extensive knowledge of the National Electrical Code and construction. This practical foundation of electrical knowledge was primarily gained through working in the Electrical Trade and owning/operating a Design Build Electrical Contracting business. Joseph's hands on background in electrical design, project management, cost estimating, and field construction work, gives him a unique perspective that few engineers have.

Being both an Electrical Engineer and Electrical Contractor brings a unique perspective to the investigation of your cases. As an Electrical Engineer, he is interested in the forensics of the design and details of the plans and specifications as to how the contractor was required to build the system. As an Electrical Contractor, he is interested in the materials, and how the installation was completed.

Past Expert Witness assignments include Pump Station construction and failures, Emergency Generator failures, Electrical Equipment Control failures, Electrical Construction Defects for winery, condominiums, and Mega Residences, Personal Injuries due to traffic light failure and electrocution, Pump Failure, Cost Estimates, Sewer, and Flood Control Systems. During Joseph's career, he has acted as a Consulting and Testifying Expert Witness on cases for both plaintiffs and defendants.

As a Professional Member of the Forensic Expert Witness Association (FEWA), Joseph has been continuing his professional Expert Witness Training by attending monthly meetings, attending six National FEWA Conferences including countless hours of seminars and trainings. The trainings encompass Depositions, Video Depositions, Report Writing, Engagement Contracts, Jury Selection, and Jury Presentation Strategies. The presenters at the FEWA conferences are judges and attorneys, presenting from a unique perspective. Joseph has been awarded the FEWA designation of "Certified Forensic Litigation Consultant" (CFLC) for completing a rigorous curriculum and being an active participant in FEWA trainings, events, and Northern CA. FEWA chapter leadership.

Licenses and Certifications

Professional Electrical Engineer	CA# E9683 & HI# E12924
Licensed Contractor, Electrical, Plumbing, HVAC	CA# 402494 (inactive)
Certified Forensic Litigation Consultant (FEWA)	Certificate # 018

Skills

SCADA, Telemetry Supervisory Control	Well, Storage Tank, Pumping Control and Design
Variable Frequency Drive (VFD) Motor Control	Cellular and Radio Communication Networks
Reduced Voltage Soft Start (RVSS) Motor Control	Critical Load and Standby Generator Applications
Habitability Studies, Ca Civil Code 1941.1	Facility Automation, Programmable Logic Controllers
Motor Control Center (MCC), and NEC compliance	UL508A & UL698 Industrial Control Panel Standards
Electrical Estimating, Project Management	Standard of Care, Forensic Analysis, Product Liability
Solar PV System Electrical Design and Construction	

Educational Foundation

Healds Engineering College, San Francisco, BSEE Electrical Engineering (Power and Control Systems Focus)

Current Employment

Electrical Design and Forensic Engineer

Joseph Perry P.E., LLC

2016 - Present

My primary duties are to provide electrical design, review, and approval of electrical construction including Commercial Solar PV projects for electrical contractors and architects. I provide Electrical Forensic engineering review and litigation support to law firms and insurance carriers for electrical construction estimating and defects, electrical products liability, and electrical accidents cases. I have 20 plus years of experience with the design and application of Underwriters Laboratory UL 508A and UL698 standards as they relate to industrial control panels for the water/wastewater industry. I have extensive National Electrical Code and California Electrical Code compliance understanding as they relate to electrical construction projects.

Work History

Engineering and Design Manager

MCC Control Systems, 3/2016 acquired by SJE Rhombus, PRIMEX

2014 – 2016.

While managing the Engineering Design and Drafting team, I was also responsible for the design of power and control panels for water/wastewater pump stations, medium size wastewater treatment plant control panels and Motor Control Centers. Designs included PLC and Motor Control Centers and chemical monitoring systems. I was the responsible Electrical Engineer for all MCC Control Systems California projects that require an electrical engineer's design approval and engineering stamp.

Independent Consulting Electrical Engineer

Control Systems West, Inc.

2002 – 2014.

My primary design duties were to design power and controls for water/wastewater pump stations and medium size wastewater treatment plant control panels. I was the responsible Electrical Engineer for all Control Systems West, Inc. California and Hawaii projects that require an electrical engineer's design approval and engineering stamp. I was the Contract Administrator for most of the Control Systems West, Inc. contracts to provide control panels, which are used by municipalities in California and Hawaii. I was the primary contact for Underwriters Laboratory (UL) certification of Industrial Control Panels (UL508A and UL698) that are designed and built at Control Systems West, Inc.

Owner

California Energy Experts

2001 – 2002

I was an independent Engineering Consultant and Electrical Contractor for the City of Cotati Department of Public Works Water/Wastewater Pump Stations. Also, I worked for various clients performing electrical contracting services. Working with Control Systems West, Inc. with its established volume of business, offered a superb opportunity to utilize my Engineering Design talents in the design of industrial control panels dedicated to the water/wastewater industry.

Investment Broker

Edward Jones Investments

1998 – 2001

After Passing the Securities and Exchange Commission Series 7 License, I opened an Edward Jones Investment office in Rohnert Park, CA. I serviced my clients by selling stocks, mutual funds, bonds, annuities, life and long term care insurance. I enjoyed the sales aspect of the business; however this business was much too distant from the finite business of Electrical Engineering.

Outside Sales

Cal Air, Inc.

1997 – 1998

Outside sales of Heating Ventilation and Air Conditioning (HVAC) Services. Cal Air purchased my previous Electrical Engineering; Electrical, HVAC, and Plumbing contracting business. I agreed to stay on in the sales capacity for one year to expand their presence in the Sonoma County area and provide continuity with our existing client base.

President

California Energy Experts, Inc., (CEE)

1984 – 1997

We designed and built Facility Automation Systems (FAS) totaling 7.6 million square feet of municipal, school, commercial and light industrial building spaces in 15 states. Project makeup was approximately 36% new and 64% retrofit installations. We incorporated, programmed, and supported dedicated technically advanced controllers for HVAC Systems. Our Lighting Control Systems incorporated daylighting and time of day scheduling. Variable Frequency Drives (VFD), were used on cooling towers, pumps, supply and return fans to enhance the energy efficiency of HVAC systems, economizer damper positioning and monitoring were an integral part of our control designs which led to further energy reductions. Demand control routines were incorporated in the designs when there was an advantage to the customer. All systems included remote communication abilities to allow offsite monitoring and minor software revisions. We expanded our company's expertise by bidding and installing well, water/wastewater, flood control, power and control systems. We designed and built Standby Generator Systems (up to 250 KW), including single and multiple transfer switches and isolation of critical/non-critical loads. We incorporated peak shaving strategies into the design when applicable. California Energy Experts was further expanded by incorporating HVAC and plumbing contracting under our umbrella. California Energy Experts was sold to Cal Air, Inc. which provided me an opportunity to explore Outside Sales.

Owner

Energy Experts

1982 – 1984

When Energy Experts was formed, my goal was to design and install control systems dedicated to energy management in commercial buildings; utilizing the most recent computerized advancements in HVAC and Lighting Controls. I began by selling the concept to businessmen in our county, then designing and installing the control system. After landing Energy Management System design and installation contracts with a major department store chain, Energy Experts quickly grew and earned the respect of the Facilities Managers for this chain. As the company volume grew, Energy Experts was incorporated and renamed to California Energy Experts, Inc.

Electrical Engineer P.E.

RE Corp. Inc., DBA Reliance Enterprises

1979 – 1982

After obtaining Professional Engineer status, I began estimating electrical construction projects and assisted in contract administration and purchasing materials that were required to complete successfully bid projects. I also earned my Electrical Contractors' License during this period. The Engineering and Contracting foundation established at RE Corp afforded me the knowledge, experience and confidence to start my own engineering/contracting business, Energy Experts specializing in energy management and control systems.

Membership in Trade Associations

Institute of Electrical Electronic Engineers, (IEEE), my IEEE # 90393171

Senior Member Status: Less than 8% of all IEEE Members are Senior Members.

Forensic Expert Witness Association, (FEWA), Northern California Chapter

Past President 2018, President 2017, Board of Directors Member (5 years), Past Assistant to the Chapter Secretary, Past Membership Chairman, and 2016 National FEWA Conference Co-Chairman.