



Roger Fenton Information

- Customer focused with an ability to quickly assess a problem and arrive at the correct solution by integrating a wide range of factors and assessing their impact to work within the cultural/business environment.
- Provide innovative technologies to implement state-of-the-art online monitoring of UG cables, pole top transformers, padmount transformers, substation transformers, and overhead distribution lines; mitigate equipment failure
- Leverage patented MetaPipe® “transformer radiator docking system” with MoistureCloud™ technology and innovative suite of sensors to provide life extension for 100-year power transformer
- Design strategies for low cost asset management to prolong asset life with deferred capital and reduce risk with implementation of AI algorithms
- Conduct training classes for electrical power theory (with many practical illustrations); heavy on concept, light on deep math
- Provide training on GCI’s effect on moisture in transformers and compliance with NERC-007-01 for space weather
- Training, education, mentoring, technical and onsite support
- Develop strong substation apparatus standards for utilities
- 40 years of electrical field experience in residential, electronic, commercial, industrial, power generation, utility and maritime sectors; from 120V to 500 kV
- Journeyman Electrician, NETA Test Technician, SCE Testman and Professional Electrical Engineer.

EDUCATION

- EMBA classes at Drucker School of Management, Claremont CA
- BS Electrical Engineering – (Power), Portland State University, OR
- AS Industrial Technology, Portland Community College, OR
- BS Physical Education, Oregon State University, Corvallis OR
- Substation Operation School, SCE
- Testman School, SCE

PROFESSIONAL LICENSES

- PE, Electrical Power Engineering #E-17122, CA.
- NETA Certified Test Technician, #95-106.
- Licensed Journeyman Electrician, #10420J, OR.

- Level I Thermographer, California.
- Welding Certificate, Low Hydrogen and Mild Steel, Oregon.
- Electrical Safety Instructor, OR.
- High School Teaching Certificate, OR.

PROFESSIONAL AFFILIATION

- IEEE member of Working Group (WG) for revision of C57.143 and C57-167, Transformer Guide for Online Monitoring
- Featured speaker at APPA E&O Conference, Raleigh NC 2018

ACHIEVEMENTS

- Inventor of MetaPipe®, “Transformer Radiator Docking System for Online Monitoring” (Patented 2019, 2 pending)
- Featured on YouTube: 500 kV Arc video

ADDITIONAL TRAINING

- Transformer Oil Analysis
- Doble classes on transformer testing.
- EMBA program at Drucker School of Management, Claremont, CA.
- PE Power Engineering, CA.
- SCE PE Preparatory Course, Rosemead, CA.
- SCE Transmission/Substation Testman School, Alhambra, CA.
- SCE Grid Operations & Training School, Alhambra, CA.
- NRTL Procedures, FL.
- Harmonics and Power Quality, OR.
- Microprocessor Relay School, Washington State University.
- Electrical Power Systems Correspondence Course.
- NEC Code Changes Class, OR.
- IAEI Soares Grounding of Electrical Systems, OR.
- Low and High Voltage Electrical Safety, OR.
- Infrared Thermography, CA.
- Electrical Safety Training, OR.
- Community Emergency Response Team (CERT), CA
- OSHA, CA
- Millwright, Georgia Pacific