

AcDc Engineering – Professional Electrical Engineering Services

Owner: Dennis J Zimmer, P.E. – Sole Proprietor

Service Area: WA, OR, MT | + Accredited WA Electrical Equipment Field Evaluator (FEB)

VISION: Our vision is to deliver customer-focused equipment evaluations built on technical excellence, ensuring compliance, safety, and confidence in every evaluation.

MISSION: To partner with manufacturers and facility owners by delivering expert electrical compliance evaluations, simplifying complex technical & safety standards into actionable, verified results acceptable to our Clients & AHJ.

CORE VALUES: We protect people (Safety) through precise work (Excellence) and honest conduct (Integrity), building lasting bonds (Relationships) by delivering practical value (Cost-Effectiveness).

- Safety: our duty to safeguard life, health, and property
- Engineering Excellence: delivering compliant, defect-free, high-quality technical evaluations, acceptable to our Clients & AHJ.
- Integrity: establish trust in a technical field where clients rely on the engineer's expertise.
- Relationships: building long-term client partnerships through friendly attitude, responsive and professional services.
- Cost-Effectiveness: providing technically competent, flexible and efficient solutions based on our many years of experience.
- Continuous Improvement: Plan-Do-Check-Act (PDCA) cycle.

About Us:

Dennis Zimmer's Professional Engineering Licenses across the Pacific Northwest: including Montana, Oregon and Washington; and is recognized as a NCEES Model Law Engineer (MLE). AcDc Engineering was founded in 2003 in Montana and continues today in Washington since 2014.

AcDc Engineering maintains professional liability insurance currently held through Hiscox. Certificates of insurance provided upon request.

What We Do:

Electrical Equipment Field Evaluation (WA only) – Onsite inspection, compliance review, and field labeling as established by NFPA 790/791 per WAC 296-46B-903 & WAC 296-46B-997. AcDc Engineering soon to offer Field Evaluation Body (FEB) services in Oregon per Oregon Administrative Rule Division 306 Qualifying Electrical Products for Sale or Disposal in Oregon.

Industrial Facility GEMBA & Safety Reviews (OR, WA, MT) – Onsite “Go & See” inspections for comprehensive NEC, NFPA 70E, NFPA 70B UL 508, and OSHA compliance, hazard identification and safety improvement recommendations.

Electrical Distribution System Review (OR, WA, MT) – Analysis of facility power distribution, load studies, coordination, and reliability; including client owned Substations.

Mid-Career PE Mentorship (Nationwide) – One-on-one guidance for licensed engineers in MEP design, industrial systems, code & safety compliance, and leadership skills.

Why Choose AcDc Engineering:

Licensed, Insured PE Delivering Compliant, Defensible Evaluations Trusted by AHJ and Facility Owners.

Accredited for WA Electrical Equipment Field Evaluations (Currently preparing for Oregon FEB accreditation under OAR 918-306, applied NOV 2025).

Experienced, Fast, Reliable, and Compliance-Focused Service.

We offer the right blend of Technical Engineering Expertise, Project Management and Engineering Mentorship.

Our “AcDc Engineering Quality Control System” establishes proven & documented QA/QC program: Quality Assurance (QA) focuses on preventing defects through standardized procedures, training, and planning, while Quality Control (QC) focuses on detecting and correcting defects through inspections, testing, and data verification to ensure the final output meets requirements.

Clients We Serve:

Industrial Manufacturing Facilities.

Facility Owners, Plant Managers, Facility Engineers & EHS Safety Managers.

Electrical Contractors, Control Engineers & Electrical Panel Shops.

Professional Engineers Seeking Mentoring & Career Skills Growth.

Service Model:

Field Evaluations: Same-day or scheduled site visits, compliance labeling, final report to AHJ.

GEMBA & Electrical Distribution Reviews: Pre-site document review, onsite inspection, actionable report.

Mentorship: Remote or onsite sessions; flexible scheduling. Group chats.

Thought Leadership:

Our PDFs for downloading are found on our website.

<https://acdcengineeringteam.com/>

Summary:

AcDc Engineering is committed to delivering technically accurate, compliance-driven evaluations combined with timely professional engineering services that improve safety, reliability, and operational confidence for industrial clients. We welcome opportunities to support Facility Owners, Contractors, Manufacturers and Engineers throughout the Pacific Northwest.

About the Author:

Dennis Zimmer is a professional electrical engineer with more than 35 years of experience in MEP, AE, and Controls across commercial, manufacturing, and industrial projects. Dennis has served as a principal engineer, middle manager, and business owner and accredited Field Evaluation Body. Over the course of his career, Dennis has held P.E. licenses in 15 states.

He has also been accredited by WA LSI to perform electrical field evaluations for over 7 years and has additional Machine Safety & Risk Assessment certification; soon to offer Field Evaluation Body (FEB) services in Oregon.

Dennis has had an extensive and varied technical career; in addition to engineering, spanning military Avionics Repair, Wet Chem Lab, Asbestos Abatement & Well Operator. Dennis also has access to FM Global's Approval Guide. Dennis is a US Army military veteran.

His passion is mentoring engineers in technical mastery, business acumen, and leadership excellence.

Thank you, Dennis.

