



TRAINING INSTITUTE, INC.

ELECTRICAL ENGINEERING DIVISION

Registered Engineering Firm in the State of Texas #F-006122

1-877-594-3156 • www.avoedivision.com

A SUBSIDIARY OF MEGGER



QUALIFICATIONS BRIEF

HONGWEI ZHANG, P.E.
Electrical Engineer

SUMMARY

Hongwei has over 16 years experience in electrical power distribution systems. Skillful in analyzing (flow analyzing, fault calculating, system design, relay protection parameter calculating), operating, running and troubleshooting. Familiar with almost all of the electrical power systems equipment and instruments. Solid knowledge of power electrical engineering software such as ETAP and SKM. Hongwei has solid work experience of AC/DC power converters, DC Inverters, AC (VFD)/DC motor drive design; solid knowledge of the National Electrical Code (NEC) and Canadian Electrical Code, DO-254, MIL-STD-461, MIL-STD-704, Six-Sigma/Lean. Additionally, his expertise includes proficiency in industrial automatic control project design and testing, C++ program designing for automatic control, microprocessor control units, PLC control system designing and programming (Allen Bradley, Omron CK Series, Siemens S5 Series). Proficient in DeviceNet, ControlNet, Ethernet/IP, Profibus, AFDX, CAN, I2C, SPI, RS485/232 communication hardware and protocols. Strong knowledge of Ladder Logic, DCS; FFT, P/PI/PID and PWM Algorithms. Computer skills include Unix, Windows, MS Office. Language includes: Assembly, VHDL, C/C++, PLM/C, Delphi and FORTRAN. CAD software includes: Mentor Graphics, MATLAB, PSPICE, AutoCAD, or CAD and Protel.
