Curriculum Vita - Jack Bene' PE

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EXPERIENCE - HIGHLIGHTS

President

Electro-Specialties - Cleveland, Ohio.

- Manages one of the largest electrical sales and services company in Ohio.
- Advises and participates in the design, installation, and sales of commercial and industrial power systems and associated products.

Legal Consultant

- Investigate, advise and testify as an expert witness on cases regarding electrical incidents, including arc flash, electric shock and electrocution. Has investigated multiple arc flash incidents and deaths related to arc flash. Was the engineer of record in 2011 while working for OSHA in their largest arc flash litigation ever brought against an employer. Recently acted as an expert witness in an arc flash related lawsuit that resulted in a multi-million dollar judgment for the client.

Electrical Safety Consultant

- Set up electrical safety programs at industrial and commercial sites and train workers on electrical safety. The total student hours taught numbers well in to the tens of thousands.
- Clients include, Eveready Battery, Marathon Oil, Rockwell International, US Postal Service, Swagelok, Lincoln Electric, Ford Motor Company, City of Cleveland, OSHA, V&M Star Steel, Wheatland Steel, Schwebel's Bakeries and Lubrizol.

Lecturer

- Held the office of Educational Chairman for the International Association of Electrical Inspectors, Western Reserve Division for over twenty years.
- Won Best Instructor honors twice at Ohio State University (Electrical Engineering short course series)
- The only National Electrical Code instructor for the National Electrical Contractors Association (Northern East Ohio Chapter) from 1990 till 2012.
- Trainer for the International Brotherhood of Electrical Workers (Local 38) on the arc flash hazard from 2005 till present.
- The only instructor (five years) on power system design courses (TEC Series) for the largest electrical utility in the US.

Author

- Contributed to the Institute of Electrical and Electronic Engineers (IEEE) Red Book (IEEE/ANSI Std 141), Recommended Practices for Electrical Power Distribution in Industrial Buildings
- Authored multiple papers on electrical safety and design for the IEEE Industrial Applications Society. Several papers were voted Best of Society. See below for titles:
- Design of Electrical Process/Control Panels.
- Statistically Predicating Disruptive Short-Time Undervoltage Conditions.
- Specifying 600 Volt Current Limiting Fuses.
- Current-Limiting Devices - Benchmark Comparison
- National Electrical Code Changes
- Plant Engineers Guide to the Design of Low Voltage Protective Switchgear.

EDUCATION

Cleveland State University	Cuyahoga Community College
B.S. of Engineering	Associates Degree in Engineering Technology

LICENSES & CERTIFICATIONS

- Professional Engineers License
- Electrical Inspectors License (maintained 15 years)
- National Electrical Codes Instructor (Ohio contractors relicensing)
- Former National Electrical Code Instructor (Ohio electrical inspectors relicensing)
- ISO Category 1 & ASNT Level 1 compliant Vibration Analyst
- ASNT Level 1 Compliant Thermographer

MEMBERSHIPS

Institute of Electrical and Electronic Engineers
International Association of Electrical Inspectors

MISCELLANEOUS

- Over 125 arc flash studies have been completed for commercial and industrial facilities. This includes the formal study, labeling, selection of Personal Protective Equipment (PPE) and training of the plant personnel.
- In addition, several hundred companies have been trained on topics such as arc flash hazards, shock and electrocution hazards, grounding, overcurrent protection or general National Electrical Code topics.
- Has participated in IEEE arc-in-the-box arc flash incident energy testing multiple times.
- Has multiple affiliations with companies whose core products are electrical safety.