

Ward Arms | Forensic Electrical Engineer, PE

7667 Cahill Rd., Suite 250, Edina, MN 55439

612.849.3036

ward.arms@efiglobal.com

Professional Summary:

Mr. Arms has been a Licensed Professional Electrical Engineer for over 20 years and is a Licensed Master Electrician. He has over 25 years of experience in electrical engineering and electrical construction. In addition, he is a member of the International Association of Arson Investigators (IAAI), his training background includes numerous courses in fire and explosion investigation by the IAAI.

Licenses and Certifications:

Licensed Professional Electrical Engineer, State of Minnesota #23384 (and 43 other states)
Licensed Master Electrician, State of Minnesota #AM007921
National Council of Examiners for Engineering and Surveying Record #37301
CPA, State of Minnesota #21058

Professional Experience:

EFI Global, Forensic Electrical Engineer, 2019 - Present
Energy Systems Group, Director of Engineering, 2014 - 2019
NVS (formerly Sebesta), Manager of Electrical Engineering, 2013 - 2014
Hallberg Engineering, Electrical Department Manager, 2009 - 2013
The Egan Companies, Vice-President of Electrical Construction, 2007 - 2009
Target Corp, Engineer/ PM in Property Development, 2002 - 2007
Parsons Electric Corp, Senior Engineer/Manager, 1991 - 2001

Specialized Education:

University of Wisconsin (Madison), Coordination of Industrial & Commercial Electrical Power Systems, 1993
University of Wisconsin (Madison), Protection of Industrial & Commercial Electrical Power Distribution Systems, 1993
University of Wisconsin (Madison), Principles of Substation Design and Construction, 2010
Georgia Tech (Atlanta), Power Systems Relaying: Theory and Application, 2010
University of Wisconsin (Madison), Fundamentals of Substation Equipment and Control Systems, 2011
University of Wisconsin (Madison), Modern Power System Protection: Applications and Performance Analysis, 2013
Rockwell Automation, Controllogix Fundamentals, 2016
Caterpillar (San Diego), Power Generation Principles and Applications, 2018

Education:

B.S. Electrical Engineering, University of Minnesota (Minneapolis), 1991, College of Science & Engineering

B.S. Materials Science & Engineering, University of Minnesota (Minneapolis), 1989, College of Science & Engineering

MBA, University of Minnesota (Minneapolis), 1998, Carlson School of Management

Affiliations:

Institute of Electrical and Electronics Engineers (IEEE)

National Academy of Forensic Engineers (NAFE)

National Fire Protection Association (NFPA)

International Association of Arson Investigators (IAAI)

National Association of Fire Investigators (NAFI)

American Institute of Certified Public Accountants (AICPA)