

# Professional Resume

## 2015-current Nowland Services, PLLC | Wolfeboro, NH | Principal Electrical/Energy Engineer

Electrical, energy, and controls engineering and technical services. Consulting and technical services provided to clients on feasibility, energy audits, benchmarking, renewable energy, efficiency, design, drawings, safety, analyses, equipment or code evaluations, specifications, hazardous areas, construction support, and commissioning.

## 2009-2015 Waldron Engineering & Construction, Inc. | Exeter, NH | Principal Electrical Engineer

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## 2001-2009 CHI Engineering Services, Inc. (Now NV5) | Portsmouth, NH | Electrical Engineer

Electrical and controls design and implementation of skids, trailers, and plants for the energy (gas) industry. New and retrofit projects. Power, controls, lighting, motor controls, single loop controls, PLC, and HMI design and programming, contractor supervision, fire protection systems design and specification. Code evaluations. Specify, integrate, and control packaged compressor skids and heaters as part of the larger plant. Experience: industrial LNG plants, LPG plants, propane-air plants, gas meter and regulator stations, LNG vaporizers, truck loading stations, liquefaction, marine ship loading facilities, various types of process heaters and vaporizers.

## 1999-2001 Ionics, Inc., (Now Suez Water Technologies) | Watertown, MA | Electrical Engineer

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## 1991-1997 Aquatrak Systems | Brattleboro, VT | Project Engineer

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## 1989-1991 Harvard Data Equipment, Inc. | Norfolk, MA | Service Manager at a computer distributor

Trouble-shoot and resolve equipment problems or incompatibilities, prioritize tasks, warranty policy determinations, vendor interface and policy generation.

## 1986-1989 Dynamics Research Corporation, Systems Division | Wilmington, MA

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## 1984-1986 MITRE Corporation | Bedford, MA

Technical support of the USAF with acquisition of Airborne Warning and Control System (AWACS) radar and secure communications subsystems.

## Education 1979-1984

Worcester Polytechnic Institute, Worcester, MA | Bachelor of Science in Electrical Engineering 1984

Wentworth Institute of Technology, Boston, MA | Associate Degree in Electronic Engineering Technology 1981.

## Professional Certifications & Affiliations

Licensed Professional Engineer (PE) NH, NJ, & CT | Certified Energy Manager (CEM) Association of Energy Engineers (AEE) | Expert witness for IMS/Expert Services and other expert organizations | Institute of Electrical and Electronics Engineers (IEEE) | National Society of Professional Engineers (NSPE) | NH Fire Prevention Society | National Fire Protection Association (NFPA)