



**RYAN BERNDT / P.E. , Senior Electrical Engineer**

Ryan Berndt has a diverse background in electrical engineering and has been performing industrial consulting for 11 years, most recently taking on senior roles in the consulting industry. Previous experience includes electrical engineering of multi-million dollar capital industrial projects along with strengths in power distribution and arc flash.

**Education**

*BS in Electrical Engineering  
Clemson University, SC*

**Registration**

*Registered Professional  
TN, SC, NC, VA + AL*

**Project Responsibility:** Electrical engineering from concept to commissioning, design-build engineering, equipment specifying, and design team leader.

**Schematic system Design:** Electrical power distribution, voltage drop calculations, Arc Flash reports and calculations, medium voltage up to 13.8Kv, building and site lighting, lightning protection, grounding, generator and stand-by power, life safety lighting systems, fire alarms, motor and control circuits, process controls, refrigeration controls and heat tracing.

**RELEVANT EXPERIENCE**

**Teledyne Brown  
Engineering**

***Oak Ridge, Tennessee***

Conducted energy usage analysis for installation of developmental process equipment. Completed distribution system design, cable sizing and cable routing. Obtained customer review and approval and supported installation bid package by providing stamped drawings. Coordinated with local utility for transformer sizing and completed as built drawing following installation.

**Teledyne Brown  
Engineering**

***Oak Ridge, Tennessee***

Conducted System design to provide cooling for a variable –flow, primary/secondary closed-looped system for optimal temperature control within a 20 degree band. Also performed calculations and equipment specification associated with the facility cooling system.

**Teledyne Brown  
Engineering**

***Huntsville, Alabama***

Power and telecommunication for production testing expansion.

**Tuff Torq  
Shop Expansion**

***Morristown, TN***

20,000 sq ft R&D, test shop, and machine shop for transmission manufacturer.

**CONTACT**

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