

# ***Ronson A. Smith, P.E.***

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Ronson Smith is a licensed professional electrical engineer with 11 years of electrical engineering experience and an additional 3 years of related experience in manufacturing, research, and construction. Ronson joined Crist Engineers, Inc. in 2015.

## **Professional Accomplishments**

Electrical power, lighting and systems design for Patterson, LA municipal Water Treatment plant (3-MGD). Included emergency 500KW power generator for main motor control center.

Electrical, control, and instrumentation system design for expansion and improvement at Tuckerman, Arkansas' Waste Water Treatment Plant. Survey/assessments of waste water collection pump stations and related facilities.

Electrical power, lighting, lightning protection, and systems, for Batesville, Arkansas municipal Waste Water Treatment plant expansion and renovation project.

Provided lighting, power, and systems design for 240,000 square foot new Green County Technical high school in Paragould, Arkansas, including lighting controls, fire alarm and intercom systems.

Provided lighting, power, and systems design in Revit Software (BIM) for 40,000 square foot Southern Arkansas University Science and Technology Building.

Engineering intern for new product development group (BEI Precision Systems and Space Division) in tasks involving software development, electronic circuit design, and prototype building/testing for two Joint Strike Fighter projects.

## **Professional Experience**

Electrical design for more than 150 projects including Commercial, Industrial, Healthcare, and Infrastructure. Principal design for electrical, lighting, and systems components for a number of buildings and plants.

- Produced narratives, plans, drawings, specifications, diagrams, details, schedules, etc.
- Working knowledge and understanding of national codes including NEC, NFPA 72, IBC, ADA, ASHRAE 90.1, and NFPA 101.
- Activities include all aspects of building electrical systems planning, coordination, and design.
- Electrical systems inspections, assessments, cost estimates, troubleshooting, as well as other field coordination activities during construction.
- Coordinate electrical power and signal requirements and layouts with equipment vendors, architects, facility operators/owners, and other engineering disciplines.

## **Education**

- Bachelor of Science Electrical Engineering (Magna Cum Laude). University of Arkansas, Fayetteville 2005.
- Continuing education emphasis on power generators, programmable logic controllers, electrical grounding/bonding, motor control, communications, lighting protection, Instrumentation, and lighting applications.