Relay Application Innovation, Inc.

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Engineer

Responsibilities

Client projects

- Specify protection solutions for projects
- Design one-line, three-line, and DC schematics for protection systems
- Review protection schematics
- Model steady-state power systems
- Perform steady-state fault studies
- Determine threshold and configuration settings for microprocessor based relays (multiple manufacturers)
- Document setting calculations and relay configuration

Internal projects

- Develop tools to use on client projects and for sale to clients and other consultants
- Provide peer review for external documentation

Project types covering 4 kV to 500 kV applications

- Transmission Line Protection
- Generator Protection
- Substation Protection
- Generator Interconnections
- Relay Operation Monitoring and Reporting
- System Coordination
- Industrial Plant Coordination

Requirements

- B.S. in Electrical Engineering or equivalent experience
- 5 or more years experience in the power system protection industry
- Ability to obtain a professional engineering license in multiple states
- Experience using the ASPEN Oneliner program
- Strong computer skills
- Ability to communicate well with people
- Excellent writing skills
- Ability to travel to client's site and industry conferences
- Non-Smoker

Recommended

- Professional engineering license
- Experience with MathCAD, MS Excel, MS Word, AutoCAD, SEL relays, Electro-mechanical relays
- Experience with system analysis using transient modeling and studies

RAI has a no-smoking policy to protect the health of all RAI employees, to ensure the best health insurance benefits, and to minimize loss of productivity due to smoking-related illness. The company maintains a smoke-free workplace. RAI does not employ individuals who smoke. An employee who misrepresents his or her status as a non-smoker, or who begins to smoke while employed at RAI, is subject to dismissal. A non-smoker is an individual who has not smoked for at least six months prior to accepting employment at RAI.