



# SYNCHROTEK

BREAKING THROUGH THE LIMITS OF PERFORMANCE

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## Electrical Design Associate

### Experiences

1. B.S. degree in Electrical Engineering or Associate degree in Electrical Machine Design.
2. 5+ years experience in motor/generator design for industrial and custom design applications.
3. Proven motor/generator design capability including concept development, design, mechanical layout, specifying purchased/fabricated components.
4. Familiarity with power inverter electronics as well as interface with motor/generator systems.
5. Knowledge of SOLIDWORKS and AUTOCAD design software platforms preferred.
6. Writing test plans, testing and verifying performance of generator/motors.
7. Familiarity with SPEED, ANSOFT or similar software applications for electric generators and motors a plus.

### Behaviors

1. Excellent organizational skills
2. Disciplined, effective time manager.
3. Project engineering skills with an ability to coordinate the efforts of in-house personnel, project subcontractors and component suppliers.
4. A philosophy of "mill worthiness" in the development and design of control systems for application in industrial environments.
5. Direct experience conducting hands-on in-field machine start-up and trouble-shooting while managing the activities of subcontractors and support personnel.
6. Flexibility with a willingness to contribute in concept development, design, detailing, manufacturing and customer support.
7. A willingness to travel both domestically and internationally.

### Culture

1. Possessing excellent communication skills both verbal and written.
2. Effective conflict management skills with in-house personnel, suppliers and customers.
3. Personable with a good sense of humor and an agreeable demeanor that puts people at ease.
4. Team member/player who can both give and receive direction effectively.
5. Self-motivated and self-directed with high expectations of him/herself as well as others.
6. Having a sincere drive to be "part of the solution" without a personal agenda.

For further information please email:

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[www.synchrotek.net](http://www.synchrotek.net)