



Electrical Engineers

Engineer Systems That Power Municipal Infrastructure

Trotter and Associates, Inc. is expanding its Electrical Engineering Team and is seeking experienced Electrical Engineers to help design, modernize, and improve critical municipal infrastructure throughout Illinois and Wisconsin. Whether you're an experienced Professional Engineer ready to lead complex electrical projects or an Electrical Engineer with several years of design experience looking to accelerate your career, you'll join a collaborative team delivering infrastructure that communities depend on every day.

This is an opportunity to work on some of the region's most complex water, wastewater, utility, and public infrastructure projects—developing electrical distribution systems, controls, instrumentation, and SCADA solutions from concept through construction.

As our municipal client base continues to grow, we're investing in the future of our electrical team with engineers who enjoy solving technical challenges, working directly with clients, and seeing their designs built.

Why These Roles Stand Out

Most electrical engineering positions focus on producing design documents. These roles offer the opportunity to see your work through every phase of a project—from planning and design to construction, startup, and commissioning.

At Trotter, you'll have the opportunity to:

- Design electrical systems that power essential public infrastructure.
- Collaborate with civil, structural, mechanical, and architectural engineers on multidisciplinary projects.
- Perform electrical studies, system analysis, and equipment selection.
- Develop SCADA, controls, instrumentation, and communications systems.
- Work directly with municipal clients, contractors, and project stakeholders.
- Participate in field investigations, equipment startup, testing, and commissioning.
- Continue growing your technical expertise while building long-term client relationships.

These roles combine technical engineering, project collaboration, field experience, and client engagement into one rewarding career.

The Projects

Your expertise will support a diverse portfolio of municipal and public infrastructure projects, including:

- Water treatment facilities
- Wastewater treatment facilities
- Lift stations and pump stations
- Electrical distribution systems
- SCADA and PLC systems
- Instrumentation and controls
- Utility infrastructure
- Public works facilities
- Facility upgrades and rehabilitation projects
- New municipal infrastructure



DEPARTMENT:
Electrical Engineering



EMPLOYMENT TYPE:
Full Time – In Office



LOCATIONS:
St. Charles, IL
Oak Brook, IL
Lake Geneva, WI



BASE COMPENSATION:		
Staff Engineer	2-5 Yrs Experience	\$75,000-\$100,000+
Project Engineer	6-9 Yrs Experience	\$90,000-\$120,000+
Sr. Project Engineer	10-14 Yrs Experience	\$110,000-\$135,000+
Sr. Project Engineer	20+ Yrs Experience	\$125,000-\$155,000+
Lead Electrical Engineer	20+ Yrs Experience	\$150,000-\$190,000+



ADDITIONAL COMPENSATION:

-  Profit Sharing
-  Performance Bonus
-  1.5x Overtime Pay



SEND RESUME TO:
administration@trotter-inc.com



Your Career. Your Expertise. Your Impact.

Build your career with a team committed to technical excellence, meaningful collaboration, and designing reliable electrical infrastructure that strengthens communities for generations.

The Roles

You'll work alongside Project Managers and multidisciplinary engineering teams to design, coordinate, and deliver electrical systems that become integral components of critical municipal infrastructure.

Key areas of responsibility include:

- Designing low- and medium-voltage electrical distribution systems.
 - Preparing electrical plans, single-line diagrams, schematics, wiring diagrams, and specifications.
 - Developing SCADA, PLC, instrumentation, and controls systems.
 - Performing short circuit, protective device coordination, arc flash, and related electrical studies.
 - Coordinating electrical design with structural, civil, mechanical, and architectural disciplines.
 - Supporting construction observation, testing, startup, troubleshooting, and commissioning.
 - Preparing technical reports, specifications, cost estimates, and client presentations.
 - Managing project schedules, budgets, and technical deliverables.
 - Building trusted relationships with municipal clients and project partners.
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You Are The Right Candidate If...

In addition to electrical engineering experience, serving municipal clients and navigating public-sector projects is highly valued. The ideal candidate understands not only electrical design, but also the importance of building trusted, long-term relationships with public agencies and community leaders. You are the right candidate if you bring:

- Bachelor's degree in Electrical Engineering or Electrical Engineering Technology from an ABET-accredited program.
 - 2 - 20+ years of progressive electrical engineering experience, with positions available within the firm across multiple experience levels.
 - Experience designing low- and medium-voltage industrial electrical systems.
 - Knowledge of short circuit analysis, protective device coordination, and arc flash studies.
 - Experience preparing electrical schematics, P&IDs, single-line diagrams, and construction documents.
 - Proficiency with AutoCAD and engineering design software.
 - Experience supporting construction, equipment startup, and commissioning.
 - Illinois or Wisconsin Professional Engineer license (or ability to obtain).
 - Strong communication, technical writing, and project coordination skills.
 - A collaborative approach and commitment to engineering excellence.
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Choose Your Home Base

This M-F, In-Office position may be based in:

- Oak Brook, Illinois
- St. Charles, Illinois
- Lake Geneva, Wisconsin

The role includes collaboration with project teams across the organization and periodic site visits throughout the region.

Tools and Technology

You'll work with industry-leading engineering and project delivery platforms, including:

- AutoCAD, MicroStation
- Bluebeam
- Electrical study software
- Microsoft Office
- Microsoft Teams

Compensation and Benefits

Base compensation is competitive and commensurate with experience, qualifications, professional licensure, and leadership responsibilities. The firm is hiring several positions at multiple levels within the Electrical Engineering team:

Position	Experience	Base Compensation
Staff Engineer	2–5 Years	\$75,000 - \$100,000+
Project Engineer	6–9 Years	\$90,000–\$120,000+
Senior Project Engineer	10–14 Years	\$110,000–\$135,000+
Senior Project Engineer	20+ Years	\$125,000–\$155,000+
Lead Electrical Engineer	20+ Years	\$150,000–\$190,000+

Compensation within each range is based on experience, technical expertise, professional licensure, project management responsibilities, leadership experience, and overall qualifications.

Additional Compensation

- Overtime compensation at 1.5× the regular hourly rate for employees working more than 40 hours per week.
- Performance-based Year-End Bonus recognizing individual contributions and the firm's overall success.
- Profit Sharing based on firm performance.

Insurance Benefits

TAI pays 100% of the employee premium, and 25% for dependent premiums for:

- Health Insurance
- Dental Insurance
- Vision Insurance
- Basic Life Insurance
- Short-Term Disability Insurance
- Long-Term Disability Insurance

Additional Benefits

- SIMPLE Retirement Plan with Company Match
- Paid Vacation
- Paid Sick Leave
- Paid Holidays
- Continuing Education & Professional Development
- Tuition Reimbursement

About Trotter and Associates, Inc.

For decades, Trotter and Associates, Inc. has partnered with municipalities throughout Illinois and Wisconsin to plan, design, and deliver infrastructure solutions that serve communities for generations. Originally established as a water and wastewater engineering firm, Trotter has strategically expanded its services to include civil, structural, architectural, utility infrastructure rehabilitation, and watershed engineering.

Today, TAI serves more than 90 municipalities through long-standing relationships built on technical excellence, responsiveness, and trust. Our growth reflects the confidence of our clients, the strength of our team, and a long-term commitment to the communities we serve.

If you're looking to help build what's next, we'd like to hear from you.

Send your resume to: administration@trotter-inc.com