

## Job Posting 22-005

### Junior Electrical Engineer – Ottawa

#### Overview

Jp2g Consultants Inc. is an employee owned, multi-disciplinary consulting firm providing a comprehensive range of planning, engineering, environmental, and project management services to the public and private sectors, from offices located in Ottawa, Pembroke and Arnprior. Jp2g is committed to maintaining client satisfaction, encouraging employee growth, and enhancing our communities.

Our growing Ottawa office currently requires a qualified **Junior Electrical Engineer**. The ideal candidate is experienced in **AutoCAD and Revit** for the design of electrical systems for buildings, as well as using **ETAP and performing electrical studies**, with a strong desire to enhance these skills.

At Jp2g, you will work with a dynamic multi-disciplinary group of engineers, technicians, project managers, and planners. Jp2g believes in employee empowerment. As a valued member of our professional team, you will enjoy a unique working environment and be provided with opportunities to demonstrate your initiative while developing your skills.

#### Job Description

As a member of our professional team, you will be responsible for a variety of assignments for the Electrical Engineering Department. Jp2g provides opportunities to work on a wide range of projects, with emphasis on federal, commercial, and institutional clients. Focus of electrical work includes lighting, power, communication, fire detection and alarm, lightning protection and grounding systems for buildings and facilities.

#### Role and Responsibilities

*The role and responsibilities for the **Junior Electrical Engineer** include, but are not limited to, the following. Employees may perform other related duties as negotiated to meet Jp2g's ongoing needs.*

#### Technical Skills

- ❖ Prepare CAD drawings & Revit models from sketches and mark-ups; design and coordinate work with other disciplines
- ❖ Prepare electrical studies using ETAP
- ❖ Follow Level of Development (LOD) progression to suit client requirements
- ❖ Provide input into the development of Jp2g's Revit and CAD standards
- ❖ Perform electrical site investigations and surveys
- ❖ Design lighting, power distribution, fire alarm, communication, public address, intercom, lightning protection and grounding systems
- ❖ Develop electrical concept reports, condition assessment reports and construction budgets
- ❖ Develop electrical designs for building systems including drawings and specifications
- ❖ Review codes, standards and regulations and obtain preliminary approvals where appropriate

#### Job Information

**Job ID:** 22-005

**Location:** Ottawa, Ontario

**Experience (years):** 3+ years

**Status:** Permanent, full-time

**Industry:** Electrical Engineering

**Number of Positions:** 1

#### How to Apply

Send your resume to:

**Email:** [careers@jp2g.com](mailto:careers@jp2g.com)

**Subject:** 22-005 – Junior Electrical Engineer

*We thank all applicants for their interest; however only candidates selected for an interview will be contacted.*

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- ❖ Represent the electrical portion of a project during the contract administration stage and carry out shop drawing reviews, prepare site instructions and CCNs, review progress draws, etc.
- ❖ Perform site inspections during construction and prepare field observation reports

### Teamwork

- ❖ Work with a team of project managers, engineers, and technologists
- ❖ Coordinate with industry, clients and other disciplines including architects, cost consultants and others
- ❖ Participate in meetings with clients and other consultants
- ❖ Build and maintain positive relationships with colleagues, other consultants, and key stakeholders to ensure that projects run smoothly and to resolve concerns promptly and efficiently

### Project Management

- ❖ Manage project tasks within assigned time and budget constraints
- ❖ Ability to complete projects independently when required
- ❖ Display initiative and resourcefulness when preparing designs and resolving project issues

### Minimum Qualifications

- ❖ 3+ years of professional experience in the field of electrical engineering for buildings (design and construction)
- ❖ Bachelor's Degree in Electrical Engineering
- ❖ Professional Engineer, Licensed in the Province of Ontario
- ❖ Eligible to seek security clearances
- ❖ Valid driver's license
- ❖ ISO 9001:2015 Fundamental's training (provided by Jp2g)

### Qualifications

- ❖ Working experience in the electrical consulting / contracting / construction sector
- ❖ Strong understanding of OBC, NBC, OESC, CEC and CSA codes and standards
- ❖ Ability to work in a complex and fast-paced team environment, dealing with multiple projects and clients
- ❖ Sound English language communication skills (oral and written)
- ❖ Excellent problem-solving and decision-making skills
- ❖ Working knowledge of MS Office
- ❖ Experience with ETAP and performing electrical studies or willing to develop expertise with this tool

### Asset Qualifications

- ❖ Prior experience in electrical design or construction
- ❖ Proficiency in the use of Revit for drawing production
- ❖ Bilingual (English and French) including proficiency in technical translations

### Compensation and Benefits

- ❖ Friday afternoons off year-round (36 hour/week)
- ❖ Group RSP planning opportunities
- ❖ Professional development and advancement opportunities
- ❖ Competitive compensation and benefits package
- ❖ Future shareholder opportunities

*Proof of vaccination will be required to accommodate client-specific requirements.*

*Jp2g is committed to fair and accessible employment practices. We will accommodate people with disabilities during the recruitment and assessment processes, and when people are hired. We will develop and put in place a process for developing individual accommodation plans and return-to-work policies for employees that have been absent due to a disability.*