



## **PRINCIPAL GEOTECHNICAL ENGINEER**

**Report to:** Principal Mining Engineer  
**Department:** Mine Development  
**Location:** Casa Grande, AZ

### **About Ivanhoe Electric Inc.**

We are a U.S. company that combines advanced mineral exploration technologies with electric metals exploration projects predominantly located in the United States. We use our accurate and powerful Typhoon™ geophysical surveying system, together with advanced data analytics provided by our subsidiary, Computational Geosciences Inc., to accelerate and de-risk the mineral exploration process as we seek to discover new deposits of critical metals that may otherwise be undetectable by traditional exploration technologies. We believe the United States is significantly underexplored and has the potential to yield major new discoveries of critical metals. Our mineral exploration efforts focus on copper as well as other metals including nickel, vanadium, cobalt, platinum group elements, gold and silver. Through the advancement of our portfolio of electric metals exploration projects, headlined by the Santa Cruz Copper Project in Arizona and the Tintic Copper-Gold Project in Utah, as well as other exploration projects in the United States, we intend to support United States supply chain independence by finding and delivering the critical metals necessary for the electrification of the economy. We also operate a 50/50 joint venture with Saudi Arabian Mining Company Ma'aden to explore for minerals on ~48,500 km of underexplored Arabian Shield in the Kingdom of Saudi Arabia.

### **Duties and Responsibilities**

- Provide ongoing geotechnical oversight for mining studies (Feasibility, Detailed Design, and Construction).
- Evaluate mine plans, designs and trade-off studies.
- Oversee underground and surface geotechnical data collection programs and manage the consultants who are analyzing and recommending solutions.
- Project and study management.
- Supervising, training, and mentoring of geotechnical team.
- Providing geotechnical guidance and expertise to transition Santa Cruz from project stage to construction, including:
  - developing ground control management plans,
  - recommending and installing necessary ground monitoring instruments,
  - designing drilling and/or laboratory testing programs,
  - developing and managing budgets.
- Demonstrate awareness and commitment to health, community and environmental protection and take action to ensure that unsafe practices or noncompliant behaviors do not occur.
- Inform, involve, and engage key internal and external stakeholders appropriately.
- Manage contractors and sub-contractors on projects (as required).

### **Skills and Experience Required**

- Advanced degree in Geological Engineering or related field/ registration as a licensed professional engineer or similar registration as a qualified person.

- Minimum of 15 years of operational underground hard rock mining / engineering / geotechnical experience.
- Proficiency with geotechnical block modeling and numerical modeling software and techniques.
- Authorization to work lawfully in the USA is required.
- Strong verbal and written communication skills with demonstrated experience in writing RFP, technical reports, and general project correspondence.
- Ability to lead, direct and work cooperatively.
- Willingness to travel.

### **Diversity Statements**

Ivanhoe Electric is an equal opportunity employer that recognizes the value of a diverse workforce. All suitably qualified applicants will receive consideration for employment Company on the basis of objective criteria and without regard to the following (which is a non- exhaustive list): race, color, age, religion, gender, national origin, disability, sexual orientation, gender identity, or other characteristics in accordance with the relevant governing laws.

The Company offers an excellent working environment, competitive compensation and employee benefits package. Please forward your resume, cover letter with salary expectations, and references, to Human Resources at [humanresources@ivanhoeelectric.com](mailto:humanresources@ivanhoeelectric.com).

