

# Principal Electrical Engineer

## About BHP

At BHP, we support our people to grow, learn, develop their skills and reach, their potential. With a global portfolio of operations, we offer a diverse and inclusive environment with extraordinary career opportunities. Our strategy is to focus on creating a safe work environment where our employees feel strongly connected to our values and objectives, and where the capability of our people is key to our success.

Come and be a part of this success!

## About Potash

In 2021, BHP approved a CA\$7.5 billion investment in Jansen Stage 1 in Saskatchewan, Canada, which is aligned with their strategy of growing exposure to future facing commodities in world-class assets. Potash opens a new front for growth and is an expandable resource that can support a century or more of operations. Potash provides BHP with greater diversification by commodity, country, and customer.

## Purpose

Reporting to the Manager Electrical Instrumentation & Controls Engineering, the **Principal Electrical Engineering** coordinates the general description of scope and the basis of design required for electrical engineering. All must be done in conformance to the BHP Charter, the BHP Business Requirements, Code of Conduct, and relevant statutory obligations and in compliance with BHP Group Level Documents and Business Level Documents, with an overriding commitment to health, safety, environment responsibility, and sustainable development.

### Key Internal Relationships:

- Head of Engineering
- Electrical/Instrumentation & Controls (I&C) Engineering team
- Area Engineering Managers (Process, Non-Process Infrastructure (NPI), and Mining)
- Engineering Discipline Managers (Mechanical, Piping, Civil/Structural/Architectural, Process, and Asset Integration)
- Project Contract & Procurement Manager
- Area Managers (Process, NPI, and Mining)

### Key External Relationships:

- Engineering contractor - Electrical Mining Lead
- Engineering contractor - Engineering Electrical Manager
- Engineering contractor – Other Discipline Leads (Instrumentation & Controls, Mechanical, Piping, Civil, Structural, Architectural, and Process)
- Electrical Vendor representatives

## About the Role

Sustainable Development, HSEC (Health, Safety, Environment & Community), and Business Conduct:

- Ensure an overriding commitment to health, safety, environmental responsibility, and sustainable development, including development of initiatives to improve the HSEC profile of the project
- Provide leadership for Electrical/Instrumentation & Controls in respect to safe systems of work
- Ensure conformance with the BHP Charter, the BHP Group Level Documents, Code of Conduct, and relevant statutory obligations
- Recommends and incorporates any changes required to identify safety or risk improvements, capital efficiency, or productivity improvements

### Position Specifics:

- Implements Electrical Engineering strategy, plans, processes, and systems for the project
- Represent BHP's interest and vision during the development of the Jansen Stage 1 engineering
- Participate in the Prevention through Design, Strategic Procurement, and data-centric design programs
- Ensure project designs are aligned with project objectives and developed on time and budget

- Provide engineering contractor supervision (including field support) and technical assurance for electrical designs (High and Low Voltage) of Jansen Stage 1, with a focus on Shaft, hoist, and Underground areas
- Accountable to lead the development of cost effective, operable, maintainable, and supportable electrical solutions that address business problems and integrate with existing and future business systems

#### Measures of Success:

- Accountable for adherence to the process of costing, budgeting, and forecasting in a timely and accurate manner
- Ensure project requirements (safety, schedule, budget, people, quality, risk) are consistently conveyed
- Compliance with business level processes.
- Electrical engineering performed by third parties is meets operational, risk, quality, and regulatory requirements

### About You

#### Qualifications:

- Degree in Electrical Engineering from an accredited post-secondary institution
- Licensed, as a Professional Engineer in Saskatchewan (APEGS) is desirable
- Post-graduate qualifications are well regarded

#### Experience

- 10-15 years of experience in project engineering, working as part of Engineering Procurement & Construction Management or Owner's teams
- Industry experience in mining (surfaces, shafts and underground), utilities, or manufacturing
- Potash mining and processing design experience desirable
- Mine development, underground operation, and maintenance
- Experience overseeing medium-sized teams, creating development plans, and mentoring
- Experience in the use and application of Smartplant tools desirable

### About Our Process

At BHP, we are committed to employing individuals who align with the BHP Charter Values and meet the requirements of the role. As part of the recruitment process, there are checks which may be conducted to demonstrate applicants' suitability for a role including police/criminal background checks, medical, drug and alcohol testing, due diligence checks, right to work checks, and/or reference checks.

**The application due date is February 9, 2023.**

### Supporting a Diverse Workforce

The size and magnitude of our business not only provides significant opportunity for professional development, but also attractive salary packages with performance-based bonuses and unique BHP employee share program.

At BHP, we recognize that we are strengthened by diversity. We are committed to providing a work environment in which everyone is included, treated fairly and with respect. We are an Equal Opportunity employer, and we encourage applications from women and Indigenous people.

We know there are many aspects of our employees' lives that are important, and work is only one of these, so we offer benefits to enable your work to fit with your life. These benefits include flexible working options, a generous paid parental leave policy, other extended leave entitlements and parent rooms.