

# PASSION TO INNOVATE | POWER TO CHANGE

## Electrical and Instrumentation Project Engineer

### YOUR TASKS AND RESPONSIBILITIES

As the Africa E,C&I (Electrical, Control and Instrumentation) Engineer to develop, **design** and implement new and current E,C&I standards team and to deliver and manage both complex and basic **projects** in the Africa region..

- **Serve as lead E,C&I design engineer on key capital projects.**
- **Actively drive the company digitization effort for process control systems, MES and AI**
- **Deliver on company sustainability goals by actively seeking reduction in Co2 and other resources for sustained or improved production capability.**
- **Develop PFD and P&ID for all projects and built into DesSoft (Conceptual design phase and complete detail design work in-house or through preferred technical design partners.**
- **Develop project E,C&I requirements and assemble estimate information.**
- **Develop E,C&I equipment specifications and handover to procurement - SoW, BoM, RFQ's**
- **Apply engineering skill across multiple engineering disciplines, including mechanical, civil, structural, process/industrial control systems and electrical on integration in design phase.**
- **Lead project E,C&I design package development and vendor technical adjudication**
- **Support E,C&I and mechanical construction activities, perform installed quality checkout and participate in FAT's, SAT's, project startup and execution and sign off commissioning QCP's**

### Application Period

24<sup>th</sup> March 2020 to 10<sup>th</sup> April 2020

### Reference Code

EIPE2020

### Division

Crop Science

### Company

Bayer (Pty) Ltd

### Department

Africa Seeds & Breeding Engineering

### Location

Lichtenburg

### Functional Area

Engineering

### Position Grade

VS1.2

### Employment Type

Permanent

### Work Time

Regular



- **Key function in the development of site layouts and equipment selection**
- **Responsible for trade off studies for new requirements and current installed upgrades**
- **Apply strong project management skills for capital projects – Time, Cost, Quality.**
- **Apply a sound and constant focus and execution of ESH processes, Electrical and Industrial Automation Standards and Codes, during design and execution projects.**
- **Promote an actively caring culture for safety amongst all personnel, contractors and visitors.**
- **Show detail knowledge of Bayer capital governance process and executing with detail and accuracy through the Bayer Stage Gate process, utilizing the PES system.**
- **Support development and maintenance of Bayer E,C&I and other engineering standards.**
- **Strong team leader skills, to ensure multiple activities are executed accurately as planned by Africa Engineering group. Mentor to sites with active knowledge transfer of best practices.**
- **Seek continuous growth/learning opportunities to further own skills and knowledge**

## WHO YOU ARE

### Experience & Qualifications

- National Diploma N5 - N6 Electronic, Instrument and Mechanician Trade. Strong instrumentation and multi-vendor PLC systems background. Courses in speciality fields – Design for combustible solids/gas advantageous.
- Fluent in English, technical writing, HAZOPS
- 20 years of solid experience in EPC (engineering procurement, construction) company. Construction Site, E,C&I Manager
- 3 Years Senior E,C&I Projects Design Coordinator, experience in E,C&I maintenance
- Well established technical network within Africa
- Stakeholders management with excellent communication
- Good understanding of Product Supply site operations / Bayer Production Systems, Digital and Automation Manufacturing
- High ethical standard and moral values.
- Autonomy, self-management, results oriented

### CONTACT US

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