



## **CURRICULM VITAE**

**STEPHEN MARKO VILLIER**

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### **A. PROFILE**

I am a determined and goal-oriented professional with over nine years of experience in the tobacco industry and edible oil manufacturing. Known for my resilience, energy, and relentless pursuit of excellence, I thrive in environments where precision and efficiency are critical.

With a strong background in the installation, maintenance, and troubleshooting of cigarette-making/packing machines(X1/X2/GD12/ Hauni Protos 80ER/90ER/) stem and lamina lines technologies, I ensure both primary and secondary manufacturing processes (PMD & SMD) meet production targets while maintaining the highest standards of safety. My expertise in electronics and instrumentation further enhances my ability to drive production safety and efficiency.

I excel in cross-functional collaboration, consistently contributing to the success of projects through effective communication and teamwork. My adaptability in challenging environments allows me to meet deadlines while ensuring operational efficiency.

In essence, I bring a wealth of hands-on experience, a dedication to safety, and a forward-thinking mindset and I am eager to take on new challenges, continually refine my skills, and contribute to the success of future projects.

### **B. PERSONAL INFORMATION**

Names	:	STEPHEN MARKO VILLIER
Date of Birth	:	7 <sup>TH</sup> DEC 1986
I.D Number	:	27414152
Language Fluency	:	English, Swahili
Religion	:	Christian

### **C. ACADEMIC QUALIFICATION**

- (1) Diploma in Electronics Engineering  
Institution: Kitale Technical Institute  
Period: 2009-2011  
Achievements: PASS
- (2) Kenya Certificate of Secondary Education  
Institution: Matunda Secondary School  
Period: 2004-2007  
Achievements: Mean grade B plain
- (3) Kenya Certificate of Primary School  
Institution: Emurumba Primary School  
Period: 1995- 2003  
Achievements: Mean grade C plain

#### **D. CAREER OBJECTIVES**

- To add value to company by applying Technical skills and experience in a challenging work environment to add significant value to the organization.
- To apply my profession competence in Electrical, Electronics, Instrumentation and control adequately in executing my tasks and work towards helping the organization achieve their goals.
- To grow into a role of greater responsibility and leadership within the organization.
- To pursue excellence in my field, continuously contributing to innovation and improvement in production processes.

#### **E. COMPUTER PROFICIENCY AND PROFESSIONAL EXPERIENCE**

##### **1. Proficiency in standard computer software's**

- Ms Office, Ms Word, Excel Power point.

##### **2. Control Systems & Programming:**

- Proficient in Micro II controllers and associated hardware
- PLC programming (Siemens, TIA Portal, Beckoff)
- Motor control, Installation and Commissioning.
- Experience with Simatic Manager and WinCC software for automation and control systems

##### **3. Instrument configuration and calibration:**

- Flow meters (E&H, Krohne, Spirax Sarco)
- Pressure gauges
- Level transmitters (Rosemount, Yokogawa)
- Electro Pneumatic control valve (Mil control, Masonelian.)
- Electrical panel Design and fabrication

#### **F. WORKING EXPERIENCE**

**Sept 2017 to Present:**

**British American Tobacco**

**Position: Electrical Technician**

##### **Responsibilities:**

- Carry out maintenance schedule on GDX1, X2 and 4350 packer control panels, Automation systems and PC panels in the factory.
- Carry out maintenance schedule on GD121, AF12 and HAUNI maker control panels, Automation systems and PC panels in the factory.
- Coordinate with the stores department for the requisition and ordering of necessary spare parts to support ongoing maintenance and production activities.
- Ascertain jobs are done to set standards and ensure compliance with instructions in order to guarantee plant safety, people safety, product quality and plant uptime
- Troubleshoot and resolve issues with cigarette-making machines, identifying failure causes and restoring machines to full operational status.
- Enhance machine Mean Time between Failures (MTBF) by ensuring machine availability and providing quick response to breakdowns.

- Perform autonomous and preventive maintenance on KT2, RC5 cutters, stem/lamina lines electrical panel and cable management.
- Contributed to the development and implementation of best practices for electrical maintenance and safety protocols, including safety interlocks checks audits.
- Diagnose faults and perform root cause analysis (using IWS tools in defect handling) to resolve issues effectively and document corrective actions.

**Aug 2015 to Sept 2017:**

**Broadways Bakery Ltd**

**Position: Electronics and Instrumentation Technician**

**Responsibilities:**

- Data collection on electrical equipment for the purpose of condition monitoring; motor currents reading, vibrations and temperature reading. Inspection of power cable terminations, distribution boards and switching room.
- Conduct installation, commissioning, and maintenance of automation equipment and machinery in the bakery facility.
- Collaborated with cross-functional teams to design, implement, and test automation of angle conveyor.
- Perform shop maintenance which include repair and prepare requisition for procurement of spares and make follow up to ensure correct spares are purchase
- Trained operators' personnel in the operation and maintenance of newly installed 6000 loaves per hour plant automation systems, ensuring smooth and efficient day-to-day operations
- Contributed to continuous improvement initiatives by providing valuable feedback on system reliability and efficiency enhancements.

**Apr 2013 To Aug 2015:**

**Bidco Africa Ltd**

**Position: Electronics and Instrumentation Technician**

**Responsibilities:**

- Performing periodic preventive and scheduled maintenance on equipment like conveyor motor, drives and maintain electrical panels so that they are serviceable.
- Designed Automation of fuel handling system and screw feeder using a 4-20mA signal from PLC incorporating signal repeater so that speed of all the three drives for hoppers and belt conveyor is controlled simultaneously to control feeding of fuel in the furnace
- Attending to liquid filling lines, soap lines for beak down related issues and resolve timely and as soon as they are reported.
- Attending to linux printer's/ coding machines; servicing and maintenance and ordering of service kit.
- Performed Turbine startup, voltage build up and synchronization of 2.215Mw power to grid power properly monitoring turbine instrument to ensure they are in good working condition.
- Participate in daily plant maintenance meetings
- Implement continuous improvements program by application of kaizen principles.

## SKILLS

- ❖ **PLC Programming:** Proficiency in programming and troubleshooting Programmable Logic Controllers (PLCs) such as Siemens (S7, TIA portal, Siemens LOGO!) Beckhoff, Micro II controllers
- ❖ **HMI Systems:** Experience in designing, configuring, and maintaining Human-Machine Interfaces (HMIs)
- ❖ **Industrial Networking:** Familiarity with Ethernet/IP, Profibus, Profinet and other industrial communication protocols.
- ❖ **Electrical Systems:** Strong understanding of electrical circuits, motor controls and distribution.
- ❖ **Digital skills:** Expertise in digital fabrication using computer programs such as Proteus, E3 series and AutoCAD
- ❖ **Maintenance:** Skilled in conducting routine maintenance and preventive measures to ensure the optimal performance of automation equipment and machine uptime which contribute to overall OEE and MTBF
- ❖ **Calibration:** Experience in Calibrating instrumentation and sensors used in industrial automation.
- ❖ **Programming:** Good command of industrial software used in programming gained through trainings, hands on experience and years of practice.
- ❖ Good command of safety interlock control processes (currently responsible for safety interlock audit – BAT)

## ACHIEVEMENTS

1. **Dust plant Upgrade (11/2017):**
  - ✓ Spearheaded Installation of an energy efficient dust plant running on Siemens Sinamics G120 55kW and 37 kW drives. The system is controlled by a Siemens S7-1200 PLC with HMI functionality. The upgrade resulted in significant reduction in energy costs saving the company approximately KES 250k monthly on energy bills.
2. **Quality project (12/2021- 12/2021):**
  - ✓ Designed and Implemented Quality Control Camera monitoring to curb short pack on cigarette carton case packer. This initiative led to an 85% reduction in consumer complaints, significantly improving product quality and customer satisfaction.
3. **Commissioning of the palletizing and Sortation Stations (12/2018)**
  - ✓ I was part of the team that commissioned Palletizing plant and sortation system of the carton products which resulted in proper handling and storage to minimize mixing products.

#### **4. Factory Floor Optimization Projects:(12/2023)**

- ✓ Upgraded massflow/HCF filter tray filler machine from micro II to s7-300 siemens PLC controller while ensuring minimal downtime and smooth transitions.
- ✓ Relocation of KDF filter maker to current position.
- ✓ Relocation of Protos 90ER to current position to enhance floor utilization and optimization.

#### **G. CERTIFICATES**

##### **Robotic Contest 2011**

Robotic Contest Participation/ Tivet fair

##### **Bidco Africa 2015**

Certificate of Service

##### **British American Tobacco 2022**

Certificate of Service

#### **H. PROFESSIONAL BODY**

Registered with IET-Kenya

#### **I. HOBBIES**

- Renewable and green energy systems.
- Reading and learning on Technology related materials.
- Electronics Repairs.

#### **J. REFEREES**

Please feel free to contact the under mentioned in regard to my competence, work Ethic, performance and / or any other aspect with respect to me:

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