**CURRICULUM VITAE**

**Name: Wilberforce Ambunya**

**Nationality: Kenyan**

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**Date of Birth: 10/07/1968**

**Marital Status: Married**

**CAREER OBJECTIVE SUMMARY**

To work in a company that utilizes both convectional and Advanced Non-Destructive Testing (NDT) services in fabrication, maintenance and structural steel works as a tool for quality assurance/Control and integrity assessment.

**PERSONAL ATTRIBUTES SUMMARY**

A good communicator, diplomatic and focused professional with a proven record for dependability and responsibility in diverse quality inspection fields. Strong analytical skills with the capability of assessing conditions and implementing appropriate interventions within a wide range of NDT fraternity. A resourceful thinker who can discover solutions for complicated problem scenarios. An individual with good judgment, sensitive to details, a team player, result oriented, high integrity, honest and customer friendly .

**PROFESSIONAL ACHIEVEMENT SUMMARY**

**1. Sitescan Industrial Consultants**

-Currently working as Senior NDT Consultant at Sitescan Industrial Consultants.

-Formerly a supervisor at Generic Engineering(PTY) Ltd, South Africa, during the fabrication of all structural components for the construction of the two main and modern South African power stations, Medupi and Kusile power stations. This involved all the required NDT inspection for the shop fabrication of all the structural beams and boilers fabricated by Genrec at its Wadeville workshop as well as installation at Kusile and Medupi power stations..

-Formerly an NDT

-Formerly working with the Kenya Bureau of Standards (Kenya) in the field of Non-Destructive testing as its research scientist in all NDT methods as well as the workshop NDT inspection.

**ACADEMIC ACHIEVEMENTS**

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| **College/Country** | **Year** | **Qualification** | **Brief course details** |
| **International School ofAerospace, Norwich, UK.** | 2013 to 2015 | EN4179 | NDT in the four main techniques up to level 2.  (UT/RT/PT/MT ET IT)  NDT in the four main techniques up to level 3.  **(MT PT)** |
| **SAIW**/South Africa | 2008 | SAQCC NDT LEVEL 2 (UT/RT/PT/MT) | NDT in the four main techniques up to level 2.  (UT/RT/PT/MT) |
| NYS Engineering Institute | 2002 | Mechanical Engineering Diploma | Theoretical and practical approach to behaviors of different materials. |

**KEY**

UT-Ultrasonic Testing

PT-Liquid Penetrant Testing

MT-Magnetic Particle Testing

RT-Radiographic Testing

ET-Eddy Current Testing

SAIW-Southern African Institute of Welding.

**PROFESSIONAL EXPERIENCE**

1. **Sitescan Industrial Consultants (September 2011-to date)**

**Senior NDT Consultant**

*Duties and Responsibilities*

* Perform all NDT tasks independently on components and insitu inspections for various fabrication companies in Kenya.
* Interpret, evaluate and certify results I.A.W. recognized procedure for corrective action where necessary.
* Day to day advisory on integrity threats and best practices.
* Maintenance of independent Integrity Audit Processes to maintain internationally acceptable level of integrity assurance
* Establish and supervise NDT techniques and procedures in the applicable NDT disciplines for clear interpretation by level 1 and Level II.
* Perform periodical quality control checks on all the NDT disciplines so as to maintain High quality standards.
* Check that required tools and equipment are available, calibrated and in good working condition.
* Provide advice in selection and proper execution of new and alternative inspection and non-destructive test methods and techniques to improve integrity and reliability
* Check that all manuals/data being used are current.
* Check that safety, health and environmental issues are strictly followed as per the company’s procedures and government regulations.
* Perform surveillance (re-inspection) of other NDT personnel for purpose of periodical re-certification
* Supervise and coach NDT Level 1/2 personnel with a goal to achieve certification in NDT Level 2.
* Participate in the relevant global/regional conferences in the field of NDT.

**NDT Engineer**

*Duties and Responsibilities*

* Provide specialist advice on all matters pertaining to NDT activities at **Detect Unit Inspections (Pty) Ltd, South Africa** Plan and enforce major turnaround maintenance scopes of work.
* Preparation and inspection of components in fabrication and maintenance workshops and during site installation and shutdown using all NDT methods (RT, UT, PT, MT).
* Development of work/written instructions as per the relevant codes for special applications.
* Supervision and guidance on all NDT Techniques (RT, UT, PT, MT)
* Interpretation of results and generation of reports as per the relevant codes or client requirements.
* Co-ordination and harmonization of production requirements, testing and release from the workshop within the required time-flame.
* Perform all relevant daily, weekly, monthly and yearly calibration to ensure equipments are within the calibration and working properly.
* Updating the work instructions as per international revisions.
* Ensure that all the Safety, Health and Environmental requirements are adhered to including tool box talks and risk assessment in every job undertaken.
* In-house training of Level 1 students for the purpose of certification and work experience.
* Enforce quality of repairs and new constructions to ensure strict adherence to codes and best practices
* Seek and promote best NDT/ Inspection practices that will lead to enhanced delivery of the Best-in-Class targets.
* Liaise with contractors and maintenance groups to ensure quality of fabrication and repairs.
* Attending of NDT seminars and workshops.

1. **Detect Unit Inspections (Pty) Ltd, South Africa, Nov 2009-Dec 2010 (Genrec Engineering, GEA, Trident Steel).**

**NDT Technician**

Performing Non-Destructive Inspection in accordance to different specifications for different materials using VI/UT/PT/RT/MT.

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| **Method** | **Major Specifications** | **Material** | **Companies Attached**  **(All/part of NDT methods performed)** |
| Visual Examination  VI | * AWS D1.1 | All materials | **Genrec Engineering**  -Shop Fabrication company |
| Ultrasonic Testing  UT | * AWS.D1.1 * ASME V, Article 4,23 * ASME VIII, Division 1 * BS 3923 | Carbon Steel |
| Radiographic Testing  RT | * AWS D1.1 * ASME V, Article 2 * ASTM E94 | Various materials |
| Magnetic Particle Inspection  MT | * ASTM E 709 * ASME V, Article 7 | Conductive Materials |
| Liquid Penetrant Inspection  PT | * ASTM E 165 * SABS/ISO 9001 * ASME V, Article 6 | Various Materials |

1. **Kenya Bureau of Standards.**

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| **Section** | **Duties and Responsibilities** |
| Non-Destructive Testing  ( NDT) | **Steel and Electrical**  -Guiding on NDT including development of written procedures/inspection routines for specialized application  -NDT of welds, forgings, castings, boilers, pressure vessels, oil tanks, thermowelds, bond examination, hardness testing,  -Visual inspection to plan for detailed inspection  -Infrared thermographic imaging  -Hardness testing. |
| Destructive testing  (DT) | Destructive testing to determine the physical properties of building materials such as steel, wood, bitumen ,geogrinds, guardrails, wires, gabions boxes and concrete. |
| Calibration and Instrumentation | -Basic maintenance of laboratory equipments.  -Calibration of equipments such as balances, proving rings and nuclear gauges |

**FUTURE TRAINING**

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| **Dates** | **Course** | **Intended Achievement** |
| Short term | Hi-Tech NDT methods | To gain knowledge in advanced NDT methods: *vis:-*  -Phased Array  -Guided Ultrasonics  -ToFD  -Other advanced NDT methods (Acoustic Emission, magnetic tomography, etc.) |
| Welding Inspection | To gain knowledge in welding and structural inspection and quality assurance in shop fabrication as well as structural installation and maintenance. |
| Long term | Project Management | To gain knowledge in [planning](http://en.wikipedia.org/wiki/Planning), [organizing](http://en.wikipedia.org/wiki/Organizing), securing and [managing](http://en.wikipedia.org/wiki/Managing) [resources](http://en.wikipedia.org/wiki/Resources) to bring about the successful completion of specific project goals and objectives. |

**PROFESSIONAL MEMBERSHIP**

Member of:-

* Non-Destructive Testing Society of Kenya

**REFEREES**

Henry Were

NDT Engineer

0720791126

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| date | site | task | remarks |
| 27/3/18 to 30/3/18 | Kivu gas power station, Kibuye Rwanda | Ultrasonic inspection | Accomplished the task |
| 03/04/18 to 05/04/18 | Gsk plant, Nairobi | Ultrasonic inspection on a boiler | Accomplished the task |
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