



PN-CONSTRUCTION
LTD

MATERIAL TESTING LABORATORY

COMPANY PROFILE

**FROM CONCRETE TO STEEL, WE REVEAL THE
TRUE STRENGTH OF YOUR MATERIALS**





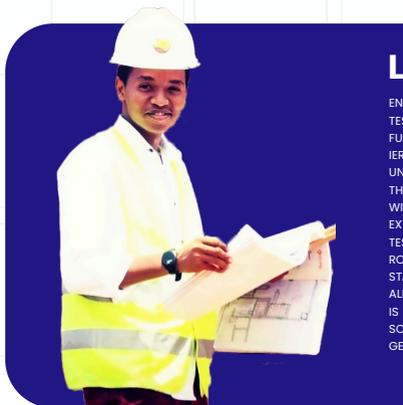
OVERVIEW

PN-CONSTRUCTION LTD/MATERIAL TESTING LABORATORY IS A REPUTABLE RWANDAN ENGINEERING FIRM LOCATED IN NYARUGENGE DISTRICT, KIGALI KN 121 ST. THE COMPANY PROVIDES COMPREHENSIVE CIVIL ENGINEERING SOLUTIONS WITH A STRONG FOCUS ON MATERIALS TESTING, GEOTECHNICAL INVESTIGATION, STRUCTURAL ASSESSMENT, DESIGN, AND PROJECT SUPERVISION, RELY ON PN-CONSTRUCTION LTD/MATERIAL TESTING LABORATORY /MATERIAL TESTING LABORATORY 'S EXPERTISE, INNOVATION AND RELIABILITY.

PN-C QUALITY POLICY

PN-C LTD IS FIRMLY COMMITTED TO MAINTAINING IMPARTIALITY AND CONFIDENTIALITY IN ALL ITS TESTING, MEASUREMENT, AND ANALYTICAL SERVICES, IN FULL ALIGNMENT WITH ISO/IEC 17025 REQUIREMENTS. THE MANAGEMENT ENSURES THAT ALL SERVICES ARE INTERNATIONALLY RECOGNIZED, AND FOCUSED ON CONTINUAL IMPROVEMENT TO MEET CUSTOMER SATISFACTION AND EXPECTATIONS.

THROUGH THE IMPLEMENTATION OF A ROBUST QUALITY MANAGEMENT SYSTEM, DEFINED QUALITY OBJECTIVES, AND ADHERENCE TO REGULATORY REQUIREMENTS, PN-C LTD CONSISTENTLY DELIVERS HIGH-QUALITY, RELIABLE TESTING SERVICES. FURTHERMORE, THE LABORATORY IS DEDICATED TO CONTRIBUTING TO THE SUSTAINABLE DEVELOPMENT OF RWANDA BY ENSURING THE ACCURACY, EFFECTIVENESS, AND INTEGRITY OF ITS MEASUREMENT PROCESSES IN SUPPORT OF NATIONAL GROWTH AND COMPLIANCE WITH INTERNATIONAL STANDARDS



LEADERSHIP

ENG. PATRICK NTEZIRYAYO (M.SC) IS THE FOUNDER OF PN-CONSTRUCTION LTD / MATERIAL TESTING LABORATORY, WHERE HE OVERSEES ALL TECHNICAL, OPERATIONAL, AND RESEARCH FUNCTIONS. HE IS A CERTIFIED PROFESSIONAL ENGINEER AND AN ACTIVE MEMBER OF THE IER. HIS ACADEMIC AND PROFESSIONAL BACKGROUND IS ROOTED IN GEOTECHNICAL AND UNDERGROUND ENGINEERING, AND HE HAS AUTHORED MULTIPLE RESEARCH PAPERS IN THESE FIELDS.

WITH OVER A DECADE OF EXPERIENCE IN CIVIL AND GEOTECHNICAL ENGINEERING, HE HAS EXTENSIVE EXPERTISE IN GEOTECHNICAL ANALYSIS, STRUCTURAL DESIGN, AND MATERIALS TESTING. HIS WORK SPANS THE DESIGN, CONSTRUCTION, AND SUPERVISION OF BUILDINGS, ROADS, AND BRIDGES, AS WELL AS THE PLANNING AND ASSESSMENT OF E-CHARGING STATION INFRASTRUCTURE AS AN ENGINEER IN GERMANY.

ALL WORKS ARE CONDUCTED UNDER NATIONAL AND INTERNATIONAL STANDARDS, AND HE IS CURRENTLY ENGAGED IN RESEARCH INITIATIVES FOCUSED ON HUMIDITY CONTROL SOLUTIONS IN RWANDA, SUSTAINABLE CONSTRUCTION MATERIALS WITH HEMPS IN GERMANY



DESIGNING AND SUPERVISION

PN-CONSTRUCTION LTD/MATERIAL TESTING LABORATORY PROVIDES EXPERT DESIGN AND SUPERVISION SERVICES FOR CIVIL ENGINEERING PROJECTS. OUR TEAM ENSURES METICULOUS PLANNING, EXECUTION, AND MONITORING, ADHERING TO THE HIGHEST INDUSTRY STANDARDS.

2. TESTING SERVICES

NEW TESTS PARAMETER TO BE ADDED

2.1. Aggregate (coarse and fine aggregate)

- AGGREGATE CRUSHING VALUE
- BULK DENSITY
- FLAKINESS AND ELONGATION
- SAND EQUIVALENT

2.2. Hardened concrete (non-destructive test)

- REBOUND HAMMER
- REINFORCED CONCRETE REBAR SCANNER

2.3. Soil (including Geotechnical investigation)

- UNCONFINED COMPRESSIVE STRENGTH
- PLATE LOAD TEST
- DRILLING WORKS
- LIGHT WEIGHT DYNAMIC PENETROMETER TEST
- STANDARD PENETRATION TEST (SPT)
- MOISTURE CONTENT
- UNIT WEIGHT

2. PNC- PROJECTS STATUTS



COMPLETED PROJECT

PN-CONSTRUCTION LTD/MATERIAL TESTING LABORATORY /MATERIAL TESTING LABORATORY /MATERIAL TESTING LABORATORY HAS CONDUCTED SEVERAL PROJECT OVERALL 530 PROJECTS INCLUDING TWENTY ONE (21) FOR STRUCTURAL AUDIT, NINE (9) FOR GEOTECHNICAL INVESTIGATION, TWO(2) PROJECTS OF DRILLING WORKS AND OTHER RELATED LABORATORY TEST ON SOIL, AGGREGATE AND CONCRETE.

ONGOING PROJECTS

IN ADDITION, PN-CONSTRUCTION LTD/MATERIAL TESTING LABORATORY LABORATORY NOW HAS FOUR (4) ON-GOING PROJECTS

PN-CONSTRUCTION IN ACTION

soil profile



performing soil resistivity test



checking beam dimension



performing DCP test



performing rebound hammer



Rebar-Scanner



checking reinforcement



checking footing



performing CBR test



performing moisture content test



performing Los Angeles abrasion resistance



performing compressive strength of hardened concrete



performing proctor test (MDD and OMC)



checking footing depth



checking column dimension



checking reinforcements placement



structural auditing



drilling works





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LTD

MATERIAL TESTING LABORATORY

REACH US

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📷 **PNCONSTRUCTIONLTD**

