

STANDARDS ORGANISATION OF NIGERIA



IMPROVING LIFE THROUGH STANDARDS

**BUILDING IN SAFETY AND SAFETY
IN**

**PAPER PRESENTED
BY
BUILDINGS: A LEARNING
CONTINUUM**

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STANDARDS ORGANISATION OF NIGERIA

AT

**THE SUSTAINING WEALTH CREATION THROUGH HEALTH
SOLUTIONS AND PARTNERSHIPS**

BY

LIVE WELL INITIATIVE GRAND HEALTH BAZAAR

**VENUE: The incubator via Sheraton four points Victoria
Island.**

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INTRODUCTION

- THE BUILDING AND CONSTRUCTION INDUSTRY PLAY A VITAL ROLE IN ENSURING SUSTAINABLE ENVIRONMENT IN ANY NATION AND NIGERIA IS NOT AN EXCEPTION,
- THE INDUSTRY HAS CONTINUED TO EXPAND UNCONTROLLABLY FOR A VERY LONG PERIOD DUE TO INCREASE IN POPULATION WHICH IN-TURN MAKES THE DEMAND FOR HOUSING AND OTHER INFRASTRUCTURAL FACILITIES VERY HIGH.

INTRODUCTION (CONT'D)

- CASES OF FAILED STRUCTURE, UNPLANNED SETTLEMENTS, ENVIRONMENTAL POLLUTION AND FLOODING ARE RAMPANT IN SEVERAL PARTS OF THE COUNTRY. IN ORDER TO AVOID THIS TYPE OF SITUATION IN FUTURE THERE IS URGENT NEED FOR STANDARDIZATION IN THE BUILDING/CONSTRUCTION INDUSTRY.

STANDARDIZATION

- STANDARDIZATION IS GENERALLY DEFINED AS THE PROCESS CONCERNED WITH FORMULATING SPECIFICATION FOR PRODUCTS AND SERVICES [STANDARDS] AND APPLYING THEM IN A DEFINED MANNER IN ORDER TO ACHIEVE A SET OBJECTIVE [QUALITY] TAKING DUE ACCOUNT OF FUNCTIONAL AND SAFETY REQUIREMENTS.
- STANDARDS ARE OFTEN INFLUENCED BY CULTURE, ENVIRONMENT, SOCIO-ECONOMIC STATUS, TECHNOLOGY AND OTHER REQUIREMENTS. FOR A STANDARD TO BE RELEVANT, ALL THESE FACTORS

ROLES OF SON IN BUILDING SAFETY

- DEVELOPMENT OF NIGERIAN

MAJOR PLAYERS IN THE BUILDING AND CONSTRUCTION INDUSTRY

**CLIENT/
DEVELOPER**

**OWNER OF THE
PROJECT**

ARCHITECT

**DESIGNS A
SCHEME
ACCEPTABLE TO
THE CLIENT**

**STRUCTURAL
ENGINEER**

**ENGINEERING
DESIGN OF THE
STRUCTURE**

**OTHER
SERVICE
ENGINEERS**

**CIVIL/ ELECTRICAL
ENGINEERS AND
OTHERS**

**GOVERNMENT
AGENCIES**

PLAN APPROVAL

BUILDER

**ERECTS THE BUILDING
ACCORDING TO
DESIGN**

BUILDING IN SAFETY AND SAFETY IN BUILDINGS

- **SAFETY WHILE ERECTING A BUILDING**
- **SAFETY WHILE LIVING IN A BUILDING**
- **SAFETY IN BUILDINGS SHOULD BE CONTINUOUS**

ARE WE LEARNING

ARE WE LEARNING FROM
PAST MISTAKES AND
IMPROVING ON THE
BUILDING/CONSTRUCTION
PROCESS?

ARE WE LEARNING

- OLD BUILDINGS ARE STANDING WHILE NEW ONES ARE FAILING
- DESTRUCTION OF ILLEGAL STRUCTURES EVERYDAY LEADING TO WASTE OF RESOURCES
- COUNTRIES WITH SKY SCRAPERS HAVE LONG LASTING BUILDINGS, TWO-STOREY BUILDINGS ARE COLLAPSING IN NIGERIA

**DEVELOPER'S OPTIONS IN HIS
QUEST TO SAVE MONEY**

• ENGAGING THE SERVICE OF

GOVERNMENT EFFORTS IN ENSURING BUILDING SAFETY

- STOPPING IMPORTATION OF INFERIOR BUILDING MATERIALS INTO THE COUNTRY AND MAINTAINING STANDARDS OF LOCALLY MANUFACTURED ONES.**
- PUTTING BUILDING MATERIALS TO TEST TO ENSURE THEY MEET THE BASIC REQUIREMENT OF THE BUILDING CODE PRACTICE**
- SENSITISING THE PUBLIC ON BUILDING SAFETY, HOW TO SUPPORT IN ACHIEVING THAT**
- PULLING DOWN RISKY AND ILLEGAL STRUCTURES AND MONITORING OF PLANS AND DESIGNS OF NEWLY PLANNED ONES**

REQUIREMENT FOR BUILDING SAFETY

- RELEVANT STANDARDS AND CODE OF PRACTICE MUST BE APPLIED
- PROFESSIONALS SHOULD BE ALLOWED TO DO THEIR JOBS THOROUGHLY
- PROPER SURVEILLANCE SHOULD BE DONE BY GOVERNMENT AGENCIES
- CULPRITS WHO CONTRAVENE BUILDING ETHICS SHOULD BE PUNISHED

BUILDING SAFETY AND SAFETY IN BUILDINGS—WAY FORWARD

- STRICT ADHERENCE TO TESTING OF MATERIALS AND REJECTION OF MATERIALS PRESUMED TO HAVE FALLEN BELOW SPECIFICATION MUST BE ENSURED
- COLLABORATION BETWEEN PROFESSIONAL BODIES, REGULATORY AGENCIES, AND GOVERNMENT ON ENLIGHTENMENT CAMPAIGNS ON THE DANGERS OF SUBSTANDARD MATERIALS IN BUILDING/CONSTRUCTION IS IMPORTANT
- AN EFFECTIVE JOINT IMPLEMENTATION OF THE NATIONAL BUILDING CODE IN ALL ITS RAMIFICATIONS MUST BE ENSURED

BUILDING SAFETY AND SAFETY IN BUILDINGS—WAY FORWARD(CONTD)

- STRICT COMPLIANCE BY PROFESSIONALS TO REQUIREMENTS SPECIFIED IN NATIONAL AND/OR INTERNATIONAL STANDARDS AND CODES IN THE BUILDING/CONSTRUCTION INDUSTRY
- ALL PROFESSIONALS IN THE BUILDING/CONSTRUCTION INDUSTRY MUST SEE THEIR ROLES AS COMPLEMENTING EACH OTHER. THE IDEA OF BELIEVING THAT ONE PROFESSION IS SUPERIOR TO ANOTHER CAN ONLY CREATE MORE CHAOS IN THE SECTOR. THE SLOGAN OF THE SECTOR

BUILDING SAFETY AND SAFETY IN BUILDING—A LEARNING CONTINUUM

- EVERY STAKEHOLDER IN THE BUILDING AND CONSTRUCTION INDUSTRY NEED TO CONTINUOUSLY PLAY THEIR PART TO ENSURE BUILDING SAFETY
- SAFETY IN BUILDING MUST BE CONSIDERED RIGHT FROM THE DESIGN TO THE TIME OF CONSTRUCTION AND MAINTENANCE.
- PROPER MONITORING AND SURVEILLANCE OF BUILDINGS SHOULD BE CARRIED OUT TO ENSURE THEY MEET WITH THE BASIC REQUIREMENT OF THE NATIONAL BUILDING CODE