



CONCRETE DYNAMICS
Civil/Works/Limited

CONCRETE DYNAMICS CIVIL WORKS LIMITED

CONCRETE REPAIRS & INSULATION

 39b Tola Adewunmi Close, Maryland, Lagos, Nigeria

 08037983590, 08087528915, 08055825385

 info@concretedynamicsltd.com

 www.concretedynamicsltd.com

ABOUT US

Concrete Dynamics is a Civil Engineering Company located in Lagos - Nigeria, that specializes in all types of Concrete repairs, Insulation, Carbon wrapping, Carbo Laminate and much more. The company is managed by highly skilled professionals with world-class experience in various technical fields, including; structural rehabilitation & strengthening, advanced concrete repair solutions, insulation & protective coatings, carbon wrapping & plating. We are always committed to delivering top tier solutions channeled to the unique needs of our clients.



REPAIR. REINFORCE.
RESTORE. DELIVER.





OUR COMPANY MISSION

To Provide High-end Solutions That Ensure Safety, Durability, And Efficiency. To Provide High-quality, Durable, And Reliable Concrete Repair Solutions That Restore The Integrity And Functionality Of Structures, Ensuring Safety, Longevity, And Customer Satisfaction. Restore And Maintain The Structural Integrity Of Concrete Structures. To Ensure Repairs Are Long-lasting And Resistant To Environmental Factors, Deliver Exceptional Service, Quality, And Value To Clients, Stay Up-to-date With The Latest Techniques, Materials, And Technologies, Prioritize The Safety Of People, Structures, And The Environment.



OUR COMPANY VISION

To Be The Leading Provider Of Innovative And Reliable Concrete Repair Solutions, Exceeding Customer Expectations And Ensuring The Longevity Of Structures. To Deliver Exceptional Concrete Repair Services That Restore The Integrity And Functionality Of Structures, While Building Trust And Long-term Relationships With Clients. To Be The Go-to Partner For Concrete Repair And Restoration, Leveraging Expertise, Technology, And Quality Materials To Drive Customer Satisfaction And Industry Excellence.



OUR CORE CAPABILITIES



Concrete repairs



Structural rehabilitation & strengthening



Carbon wrapping & plating



Carbo Laminate strengthening



Insulation & protective coatings



Baseplate repairs with low viscosity epoxy grout



Foundation grouting



Concrete column and slab strengthening



Concrete rebar and structural repair



High-end solutions that restore integrity, durability and functionality.





VITA CONSTRUCTION

BASEPLATE REPAIRS

WITH LOW VISCOSITY EPOXY GROUT FILLING
THE VOID BETWEEN THE CONCRETE AND THE
PLATE



High-end solutions that restore
integrity, durability and functionality.

**STRENGTHEN
RESTORE
PERFORM**

PROJECT CASE STUDY

FIRS KADUNA COLUMN AND BAR SLAB REPAIR

WITH CARBON WRAPPING



CONCRETE STRENGTHENING
WITH CARBON WRAPPING



SURFACE PREPARATION WITH
THE USE OF SHRINKAGE
COMPENSATED MORTAR.

01



02



03



04



PROJECT CASE STUDY

LAFARGE RECLAIMER RAIL



REPAIR AND RESTORATION WORKS

BEFORE REPAIR



DURING REPAIR





PROJECT CASE STUDY

CONCRETE COLUMN & SLAB STRENGTHENING WITH CARBO LAMINATE AT BANANA ISLAND

STRUCTURAL STRENGTHENING PROCESS

1 ASSESS & PREPARE



2 SURFACE PREPARATION



3 REPAIR & LEVELING



4 CEILING PREPARATION



5 APPLY CARBO LAMINATE



6 COMPLETED STRENGTHENING



PROJECT CASE STUDY

SAMPLE CUBE PREPARATION

SAMPLE CUBE PREPARATION



ANO H GAS FOUNDATION REPAIR

01

ASSESS & PREPARE



02

MIX & FILL



03

REINFORCE & PREPARE



04

COMPACT & SET



STRENGTHEN
RESTORE • PERFORM

CONSTRUCTION
PERFORM



PROJECT CASE STUDY

GRINDING MILL FOUNDATION REPAIR AND GROTCH INSTALLATION

FOUNDATION REPAIR AND GROTCH INSTALLATION



PROJECT CASE STUDY

 **SAYED FARMS, IBADAN COLD ROOM**

EXPANSION JOINT REPAIR

COLD ROOM EXPANSION JOINT REPAIR WORKS

BEFORE REPAIR

1



JOINT PREPARATION

2



JOINT MASKING

3



JOINT REPAIR PROCESS

4



PROJECT CASE STUDY

 JETTY WATER WORKS

CONCRETE REPAIR

AT THE JETTY WATER WORKS

PREPARATION & CLEANING



REPAIR & PATCHING



FINISHING & WATERPROOFING



INSTALLATION WORK



PROJECT CASE STUDY

THE NATIONAL ART THEATRE, IGANMU-LAGOS

BASEMENT BEAMS & COLUMN REPAIR

BASEMENT STRUCTURAL REPAIR WORKS

1 ASSESSMENT & DAMAGE IDENTIFICATION



2 CONCRETE REMOVAL & SURFACE PREPARATION



3 REBAR CLEANING & CORROSION TREATMENT



4 REBAR REINSTATEMENT & TIE INSTALLATION



5 FORMWORK & REPAIR MORTAR APPLICATION



6 SURFACE FINISHING & FINAL CHECK





PROJECT CASE STUDY



ANO H GAS PLANT PROJECT

FOUNDATION GROUTING

FOUNDATION PREPARATION AND GROUTING WORKS

1

PREPARATION & REINFORCEMENT



2

FORMWORK & CLEANING



3

GROUTING PREPARATION



GROUTING EXECUTION



GROUTING
STRENGTH • STABILITY • RELIABILITY



PROJECT CASE STUDY



PERNIX GLOBAL, EKO ATLANTIC, LAGOS

ROOF TOP SPRAY FOAM POLYURETHANE INSULATION

ROOFTOP INSULATION APPLICATION

1

SURFACE PREPARATION



2

BASE COAT SPRAYING



3

FULL FOAM APPLICATION



4

ROOF TOP FINISHED INSULATION



5

INSULATION DETAIL

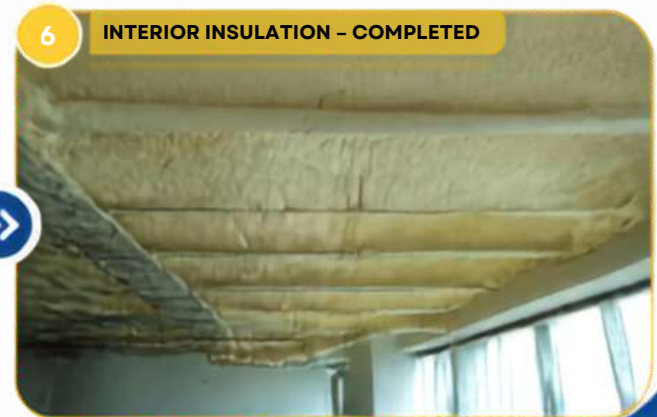




PROJECT CASE STUDY

TRINITY TOWERS SPRAY FOAM P.U INSULATION

SPRAY FOAM POLYURETHANE INSULATION APPLICATION



PROJECT CASE STUDY

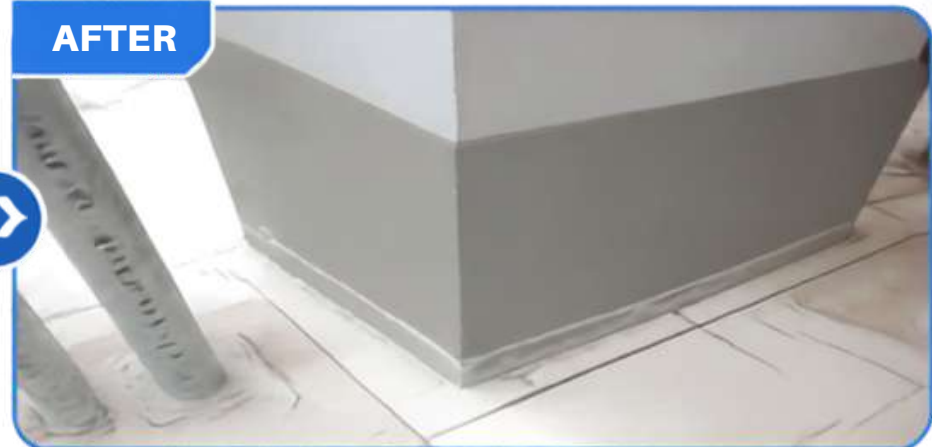
CAPPA AND D'ALBERTO COLUMNS REPAIRS

BEFORE AND AFTER REPAIR

BEFORE



AFTER



BEFORE



AFTER



STRENGTHEN
RESTORE • PERFORM

PERFORM

PROJECT CASE STUDY

CAPPA D'ALBERTO CRANE BASE REPAIR

WITH CARBO LAMINATE

BEFORE



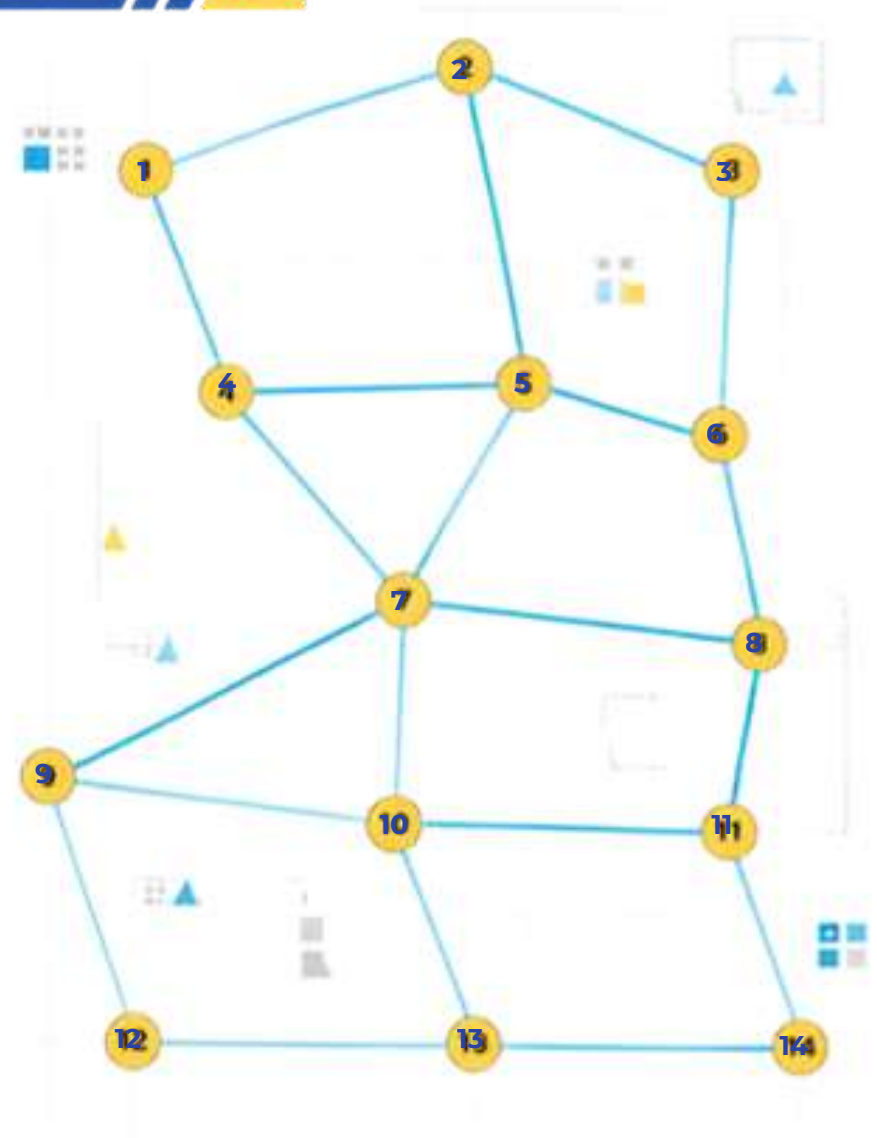
AFTER



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RESTORE
PERFORM

- 1 Vita Construction – Baseplate Repairs with Low Viscosity Epoxy Gout
- 2 FIRS Kaduna – Column and Bar Slab Repair with Carbon Wrapping
- 3 Cappa D’Alberto – Crane Base Repair with Carbo Laminate
- 4 Cappa and D’Alberto – Column Repairs
- 5 Concrete Column & slab Strengthening with Carbo Laminate at Banana Island
- 6 Lafarge Reclaimer Rail
- 7 Trinity Towers – Spray Foam P.U Insulation
- 8 Rooftop Spray Foam Polyurethane Insulation at Pernix Global, Eko Atlantic, Lagos
- 9 Foundation Grooting at Anoh Gas Plant Project
- 10 Basement Beams & Columns Repair at the National Art Theatre, Iganmu-Lagos
- 11 Concrete Repair at the Jetty Water Works
- 12 Sayed Farms, Ibadan – Cold Room Expansion Joint Repair
- 13 Grinding Mill Foundation Repair and Groot Installation
- 14 Anoh Gas Owerri Foundation – Sample Cube Preparation



BUILDING RESILIENCE INTO EVERY STRUCTURE



**Concrete repairs, strengthening,
insulation and restoration solutions.**

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