



Novotel Hotel Development

Residential Development



**Victoria Island, Lagos state
Nigeria**

**Large Diameter
Bored Piles**

**Continuous Flight
Auger Piles**

Cliente :
Owner :

Ekulo International Limited

Contrattista principale :
Main Contractor :

Trevi Foundation Nigeria (*Foundation Works*)

Durata dei lavori :
Duration of works:

May 2021 - August 2021

Introduction

AccorHotels, a French multinational hospitality company, has announced the signing of a deal to build its first Novotel property in Lagos, Nigeria's commercial capital. **AccorHotels said it signed a management agreement with Ekulo Group of Companies, a Lagos-based conglomerate, which will manage the 170-room Novotel Victoria Island Lagos.**

Novotel is a hotel brand within the AccorHotels group. The Novotel Victoria Island Lagos, which will be opened in 2023, will expand Accor's presence in Nigeria to 1,642 keys (or rooms) across 14 properties. AccorHotels

Piles (CFA) and the Rotary Bored Piles (RBP) were technology were recommended as the piling technology to be adopted.

Mobilization of piling resources to site commenced on the 19th of May, 2021. During this period, site clearance and set up, general arrangement, levelling of site to create good working platform and pre-dilapidation surveys of adjoining buildings were carried out before the commencement of piling activities.

Mobilization of all the resources required for both manpower and equipment and the setting up of the site was completed on the 16th of June 2021.



has seven properties currently in operation and seven additional hotels in its development pipeline across the MGallery, Mantis, Grand Mercure and Pullman brands. **The Novotel in Lagos will be located on Ahmadu Bello Road in Victoria Island. It will feature 170 rooms and suites, 400 square metres of meeting space, a swimming pool and gym and three dining venues, including an all-day dining restaurant, lobby bar and a pool bar.**

Trevi works

Having carried out considerable evaluation of the soil report obtained from the soil test conducted by Trevi Foundations Nigeria Limited, the **Continuous Flight Auger**

Piling activities commenced on the 17th of June 2021 starting with the installation of the Continuous Flight Auger Piles. This type of technology was installed using the **Soilmec SR-75 Drilling Rig**. All the CFA piles were completed before commencement with the 2Nos. **Soilmec SR-60 Drilling rigs** for the installation of the Rotary Bored Piles.

The piling activity was completed successfully on the 30th of August 2021.

During the project execution phase, adequate safety measures were put in place and periodic Tool Box meetings conducted to constantly guide and remind workers of the need to ensure safety at all times. No accident was recorded throughout the project duration. Our technical expertise was utilised during the project execution to en-

sure seamless operation and to meet the project specification. **The project was timely delivered ahead of the scheduled period of 20 weeks from commencement date.**

After the completion of the site, PLT and Integrity testing arrangements were suitably scheduled and performed at agreed dates. In the course of the pile testing, cleaning of equipment, general site arrangement and demobilization of all piling resources from site commenced and was completed for handover on the 30th of September, 2021. Post-dilapidation surveys of adjoining buildings were carried out to ascertain if any damage was caused to adjoining building.

Quantity of works

Bored piles	ø 600 mm	Nos. 9	depth 44 m
Bored piles	ø 800 mm	Nos. 54	depth 44 m
Bored piles	ø 1000 mm	Nos. 31	depth 44 m
Bored piles	ø 1200 mm	Nos. 25	depth 44 m
CFA piles	ø 600 mm	Nos. 67	depth 25 m
Pile load tests on permanent piles			Nos. 4
Pile Integrity Test (PIT)			Nos. 186





119 bored piles

(from \varnothing 600 to \varnothing 1200 mm, 44 m depth)

67 CFA piles

(\varnothing 600 mm, 25 m depth)

186 PIT

(Pile Integrity Test)

TREVI FOUNDATIONS
NIGERIA

TREVI
a TREVI Group company

Plot 4, Block B, Gbagada Industrial scheme,
Gbagada Expressway, Gbagada, **Lagos**, Nigeria.
Tel. +234 81.50892.906 / +234 81.88164.473
e-mail: tfnl@trevinigeria.com
www.trevinigeria.com