



Egbin Power Station

2018

ABOUT THIS PROJECT:

Market Segments:
General Construction

Contractor:
Lymex Ltd

Products Used:
Xypex Admix
Xypex Patch'n Plug

Location:
Lagos, Nigeria

In 2018, the Egbin Power Station in Lagos, Nigeria, undertook a significant construction project involving the stabilization of foundations and the construction of a fence. The project spanned 15 months and was marked by a critical design change midway, requiring the piles to be fabricated on land and then submerged in water. Xypex products were chosen for their proven reliability and ability to meet the project's demanding requirements.

The application of Xypex Admix, a unique crystalline technology, provided the concrete with the ability to self-heal, forming a non-soluble crystalline structure within the interconnected pores of the concrete and becomes a permanent part of the concrete matrix, providing unmatched protection from within the concrete structure.

This ensured the long-term stability and sustainability of the foundation. Additionally, Xypex Patch 'n Plug played a crucial role during repair work and for aligning the piles. Its rapid setting time significantly reduced labor time and minimized downtime, contributing to the overall cost-effectiveness of the project.

The use of Xypex products in the Egbin project resulted in lower material costs and an extended service life for the structures. The project successfully maintained alignment and stability while ensuring the transportation of materials was efficient and sustainable.

By selecting Xypex, the project benefitted from enhanced durability, chemical resistance, and cost efficiency, solidifying Xypex's reputation for delivering reliable and effective concrete solutions.

