

FLEET ELECTRIFICATION

JOSPONG GROUP CASE STUDY

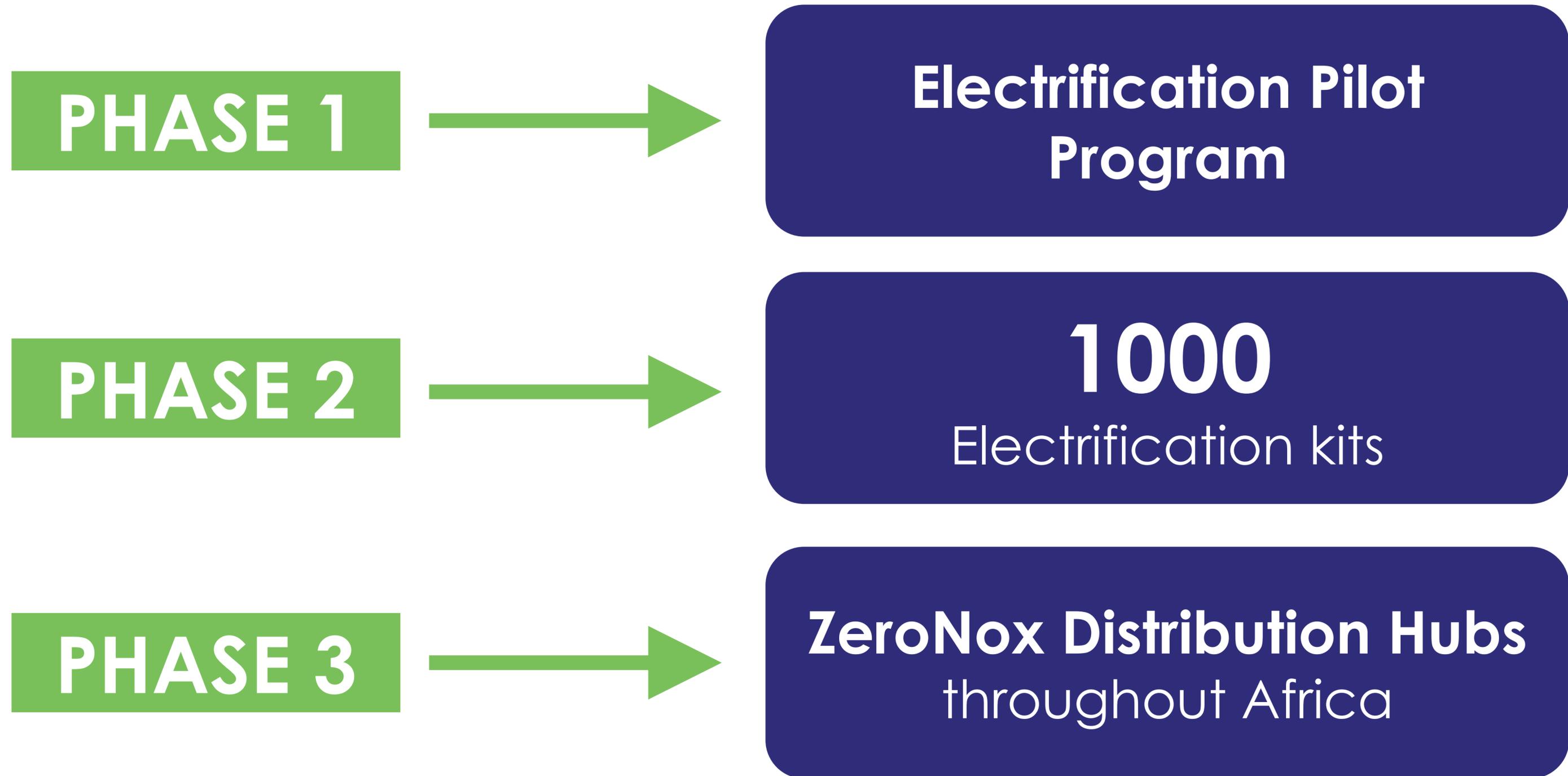




ZERONOX & JOSPONG PARTNERSHIP



JOSPONG GROUP | OVERVIEW OF MOU



PARTNERSHIP VISION

Strategically distribute, service, and support innovative clean technologies and skill development across the African continent, using Ghana as a Gateway, to enhance communities and improve lives.

HIGH-PERFORMING

SUSTAINABLE

ECONOMICAL



Founded in 1995 by Dr. Joseph Siaw Agyepong



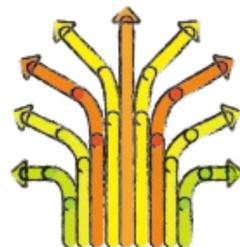
Africa's Leading Waste Management Giant - Zoomlion



Generated Over 250,000 Job Opportunities



Over 60 Subsidiary Companies within the Group

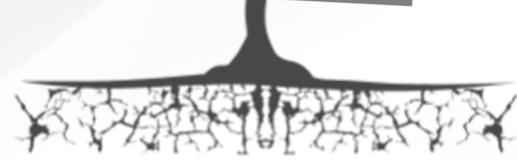
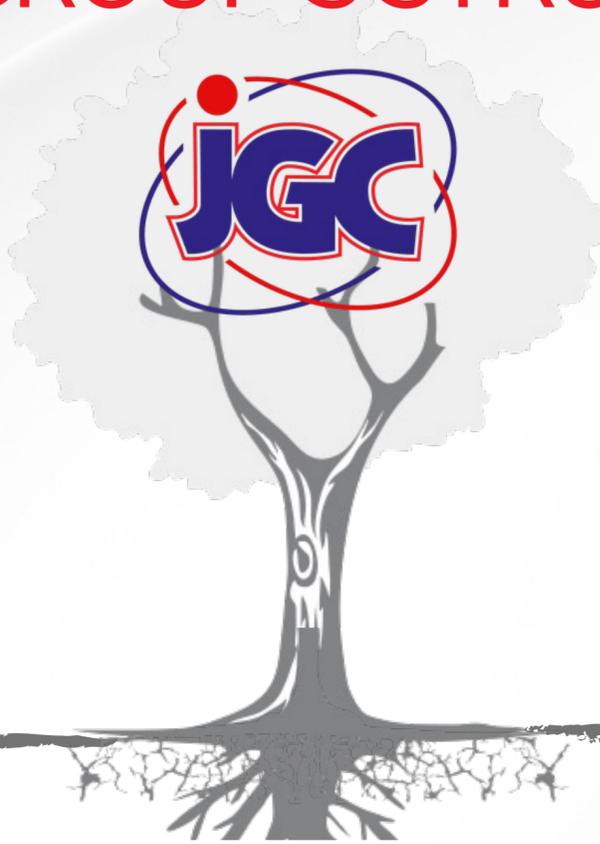


Ghana's Most Diversified Business Group



Operates In 14 Sectors of the Economy

THE GROUP'S STRUCTURE





About The E&S Group

The E&S Group is made up of about 29 different companies providing a 360 degrees Integrated Waste Management Solution. The largest company in this group is Zoomlion, handling over 1000 refuse trucks in multiple African countries.



Ghana Site Visit September 2021



shot on motorola one fusion
Anderson
Sep 16, 2021, 10

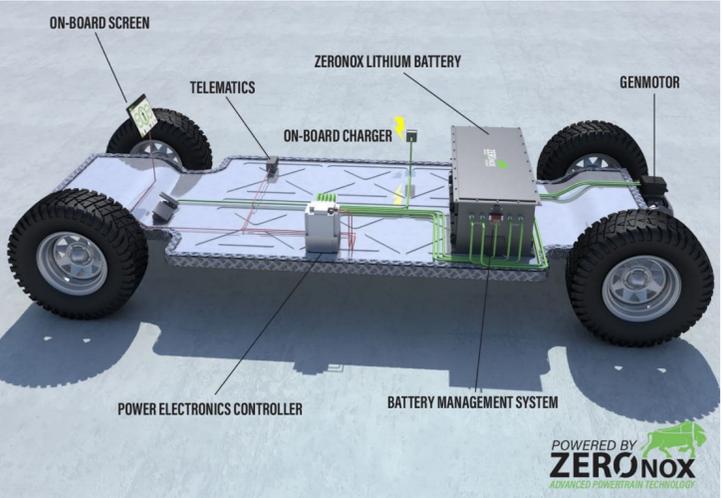
ZeroNox Electric Powertrain Platform

Internal Combustion Engine

- ✗ Engine
- ✗ Fuel Tank
- ✗ Transmission
- ✗ Muffler
- ✗ Transmission, Oil, Air Filters & Liquids

Electrification

- ✓ Battery Cell, Module, Pack, Case
- ✓ Battery Management System
- ✓ Power and Battery Distribution Unit
- ✓ Cables & Wiring Harness
- ✓ External DC Charging
- ✓ Motor
- ✓ Motor Controller
- ✓ Telematics
- ✓ Auxiliary Splits



**SCANIA P360 6X4
HZ Trash**



Dongfeng 260 6X4 / 190 4x2

JOSPONG GROUP | ENVIRONMENTAL BENEFIT



400,000 CO₂
METRIC TONS



18,000,000
MATURE TREES

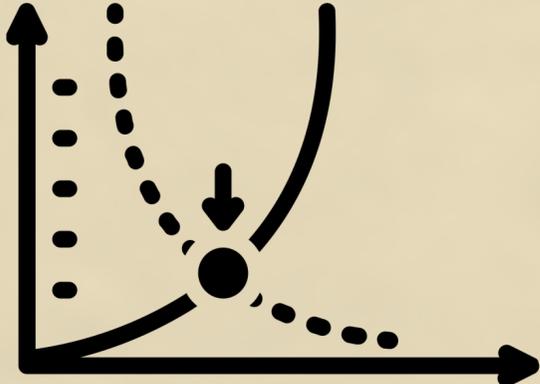
Equivalent over 5 years for Fleet of 1000

JOSPONG GROUP | ECONOMIC BENEFIT



\$323,000,000

**SAVINGS OVER 5 YEARS
FOR FLEET OF 1000***



2 YEARS

PAYBACK PERIOD



**With estimated total investment of \$156,000,000*