The overall objective of the GEMOD model is to develop a sustainable National e-waste management system which makes e-waste and/or components re-usable to minimize environmental pollution. GEMOD was to establish a structured approach to e-waste management via education/awareness creation on collection, refurbishment/dismantling, sorting of recovered components for recycling/upcycling, safe disposal of hazardous components and export of recyclables (and hazardous components) in order to provide a solution to the negative tag of unsustainable e-waste management in Ghana.
ISSUES ADDRESSED

✓ E-waste as a successful and sustainable green business
✓ Operation of an efficient e-waste collection scheme with satellite e-waste holding centres in Ghana and some west African countries
✓ Efficient waste transportation system to deliver waste from all centres
✓ A zero waste processing scheme with environmental safeguards
✓ Resource efficiency and cleaner production model for recovering secondary raw materials from waste thus turning e-waste problem into opportunities
✓ An established e-waste components off-taker markets involving well known e-waste recycling plants (Boliden for Cu and Benz for Aluminum)
✓ Gender balance employment opportunities (62.5% females and 37.5% males)

COMPANY PROFILE

Blancomet Recycling Ltd offer top prices to companies and individuals interested in sustainable development and proper disposal of various end-of-life materials. The key activity of the company is collection and recycling of secondary raw materials. Blancomet has contributed enormously to the recycling of used lead-acid batteries in the country and continue to improve on their recycling and waste management techniques in an environmentally sound manner.
PROJECT IMPACT

**Environmental Impact**
- Reuse of effluent from e-waste plastic components washing resulting in zero process water discharge.
- Recovery and cleaning of hazardous ULAB acid for reuse by battery recharging points and some were sent to high schools for science practical.
- Zero burning of e-waste to recover components hence no air pollution.
- Diversion of waste from landfill due to non-disposal of plastic components as a result of recycling and reuse.
- Improved energy efficiency by the installation and use of efficient lighting systems.
- Reduction in the purchase of oxidized cables.

**Economic Impact**
- Additional product (Acids, plastics and recovered components) streams sales.
- Improved quality of products due to elimination of contamination during dismantling culminating into better retail prices.
- Decent secured green jobs for the youth.

**Social Impact**
- Improved working conditions for workers due to the elimination of risk in the work and workplace.
- Improved incomes and payment/annual renewals of National Health Insurance Premiums of all workers and nuclear families.
- Improved company image.
- Access to niche market due to sustainable consumption and production practices.
- Capacity building and skill acquisition for workers.

62.5% of workers are female

300% reduction in cost of water
QUOTES

“Blancomet now operates a circular economy where there is nothing like waste”

PHOTOS
ADDITIONAL INFORMATION
NA

CONTACTS
Pokuase-Afiaman, next to Chief’s Palace, Accra – North
P.O. Box AC 464, Accra – Ghana
Tel. +233 24 4255782
e-mail: cwmcl@gmx.net
website: http://www.cwmcl0.wix.com/citywastegroup
New Plant (under construction) Teacher Mante
SWITCH AFRICA GREEN PROJECT
TRAINING IN SUSTAINABLE WASTE-BURNING, PLASTICS IDENTIFICATION AND BUSINESS MODELS
DATE: 20TH-23RD SEPTEMBER, 2017
VAVALO, VELDY, KUMASI, UCC HALL, KUMASI

SUPPORTING PARTNERS

IMPLEMENTING ORGANIZATIONS

GHANA NATIONAL CLEANER PRODUCTION CENTRE