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.
COMPANY PROFILE
City waste recycles waste ranging from refrigerators, batteries and plastic, which it sources from local industries and waste collectors in Ghana. From this wastes, CWR generates products such as plastic pellets, printed circuit boards, ODS, ULAB and exports recycled e-waste products.

PROJECT IMPACT

**Environmental Impact**
- Improved waste management
- Diversion of waste from landfill
- Movement of waste up the waste hierarchy

**Economic Impact**

The number of employees has doubled to 62 persons. Cost saving (about 10%) was achieved through the intervention by streamlining working procedures.

**Social Impact**
- Health
- Job
- New revenue streams
- Increased income

In 2018 **over 2,000 MT** of Plastic and e-Waste was recycled at City Waste.

**Over 13 MT** of R12 (ODS) was traded against carbon credit.
City Waste is at the moment expanding its recycling capacity by constructing a new recycling plant at Teacher Mante in the Eastern Region on a 6-acre land which will employ up to 200 people and give jobs to at least 3,000 in the informal sector (collection points of recyclable materials in collaboration with CARITAS Ghana).

QUOTES
The project enabled City Waste to employ more women in the community by improving their livelihood through training.

PHOTOS

Figure 1: Upcycling of waste water sachets into carrier bag
Figure 2 & 3: Home decor and artifacts made from e-waste

ADDITIONAL INFORMATION
NA

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New Plant (under construction) Teacher Mante