

Upgrading the Solid Waste Management Program of LGU-Polanco through Adoption of Bioreactor and Plastic Densifier Technologies

PROJECT BENEFICIARY

LGU-Polanco

PROJECT SITE

Polanco, Zamboanga del Norte

COST OF TECHNOLOGY INTERVENTIONS

₱2,660,000.00

PROJECT DURATION

July 2018 – November 2021

NATURE OF PROJECT/ INDUSTRY SECTOR

Other Sector – Solid Waste Management

PROJECT DESCRIPTION

The Solid Waste Management Program (SWM) of LGU-Polanco is practically an adoption of RA 9003. Municipal Ordinance No.15-24 entitled “Comprehensive Solid Waste Management Ordinance of Polanco, Zamboanga del Norte” was enacted to embrace the provisions under RA 9003.

The primary goal of the Ordinance is to enhance ecological balance of the community through sustainable and integrated waste management.

In 2015, LGU-Polanco crafted a 10-year SWM Plan, as part of the key strategies is the operation of alternative technology to address both biodegradable and non-biodegradable wastes has been identified. One of the available technology that is capable to convert biodegradable waste into organic compost is “bioreactor”.



TECHNOLOGY INTERVENTIONS

- ✚ **System and Process Improvement –**
Improvement of the proper waste management practice and generate compost for farming, urban gardening and cacao nursery project;
- ✚ **Human Resource Development –**
Provision of training on basic equipment operation and maintenance; and
- ✚ **Equipment Acquisition –**
1-unit DOST-ITDI Bioreactor 1-ton capacity
1-unit DOST-ITDI Styro/Plastic Densifier 50kg cap.
1-unit Shredder for biodegradable materials
1-unit Shredder for Styro/Plastic

PROJECT STATUS/OUTPUT/IMPACT

- ✚ Established appropriate facilities for recycle and processed waste materials into useful by products; and
- ✚ Sustained proper waste management practices in the communities and generated compost for farming.