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SWITCH AFRICA GREEN

CASE STUDY # 2

STORIES FROM BENEFICIARIES

PROMOTION OF BIOGAS
TECHNOLOGIES

BIO-DATA

Project Title:	Promotion of Biogas Technologies
Grantee:	Ghana National Cleaner Production Centre
Partner:	None
Enterprise (MSME):	Mr. Dovi Edem Komivi
Year Established:	Self-employed since 2012
No. of Employees:	3
Sector:	Renewable Energy
Type of Business:	Construction
Location:	Ashaiman

PROJECT BACKGROUND

Mr. Dovi Edem Komivi is self-employed who works as a mason and was trained in the construction sector to construct buildings for clients or customers. Mr. Dovi Edem Komivi has several years of experience in the masonry work. He applied for the training in the construction of biogas digester at the Centre when it was advertised which required that the applicant should have experience in masonry for which he was qualified. The Centre has been implementing the SWITCH Africa Green programme's Promoting Biogas Technologies project.

This project was funded by the European Union through UNEP.

The project was aimed at promoting the biogas technology through training artisans who will acquire the requisite skills needed to construct the biogas digester, awareness creation and working with Municipal, Metropolitan and District Assemblies (MMDAs) to manage the liquid waste generated in their municipalities through treatment and re-use of the products generated.

ISSUES ADDRESSED

- Mr. Dovi Edem Komivi participated in the training programme organized by the Centre during the second batch of training for artisans which took place from 3rd to 7th October, 2017.
- Dovi Edem Komivi was part of the team that constructed the biogas at the GNCPC training Centre.
- After the training was completed, Mr. Dovi Edem Komivi has been able to construct two biogas plants alone both of size 8m³. The first biogas plant was constructed at his residence which his wife currently uses the gas in the kitchen for cooking. The second he has constructed is for a client who has also started using the biogas plant.

PROJECT IMPACT

Environmental Impact

- The biogas plant has been completed and currently functioning. The Centre is able to harness the gas for other uses
- The Centre has also stopped using the septic tank which cost the Centre substantial amount of money for dislodging while at the same time the waste is not treated.
- The biogas plant constructed at the Centre treats the waste, prevents the effluent spillage and generates highly rich in nutrient water for gardening.
- The biogas plant constructed in Edem's house has helped him to treat the waste at home and the nuisance odour is not generated as it is the biogas which is used for cooking in his kitchen by his wife. The clean water uses for farming in a little garden he has made behind his house.

Economic Impact

- The training has empowered Mr. Dovi Edem Komivi to increase his sources of revenue. Edem has realized some financial savings in the use of the biogas plant in his house.
- He does not need to dislodge again. His wife uses the gas for cooking which otherwise he would have been forced to buy LPG.

Social Impact

- Constructing the biogas plant in his house has given Mr. Dovi Edem Komivi the opportunity to provide employment for other 2 artisans.
- It is also saving Mr. Dovi Edem Komivi some revenue since he does not have to dislodge.
- There is no nuisance odour generated as a result of the construction of the biogas plant in his house and his other clients.

CHALLENGES IN IMPLEMENTING THE PROJECT

The only challenge experienced by Mr. Dovi Edem Komivi is the preparation of the bill of quantities which he managed to prepare with support from the Centre and experienced experts in the field.

FUTURE PLANS/LESSONS LEARNT

Mr. Dovi Edem Komivi plans to market and construct more biogas plants for other customers who express interest in the biogas plant.

It is good to liaise with other experts in the construction of the biogas plants in order build expertise and experience in this field.

QUOTES

"According to Mr. Dovi Edem Komivi in quotes "It has helped me to improve my financial income. I am getting more contracts".

PHOTOS



CONTACTS

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SUPPORTING PARTNERS



IMPLEMENTING ORGANIZATIONS

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