

IMPLEMENTING INDUSTRIAL SYMBIOSIS AND ENVIRONMENTAL MANAGEMENT SYSTEMS FOR SMES IN THREE REGIONS IN GHANA

BACKGROUND

Ghana lacks a platform where ideas and knowledge about resource efficiency can be shared. Research indicate that lack of expertise and weak environmental policies and the ability to enforce them plays a key role in sustainability issues in Ghana. Industrial symbiosis involves a collective approach to competitive advantage through the physical exchange of materials, energy, water and/or by-products, or the shared use of assets, logistics and expertise. The National Industrial Symbiosis Programme of the UK [NISP] is a specialised business-support network organisation delivering resource-efficiency and waste-minimisation through identifying and realising synergy business opportunities. The model has been replicated in other countries, including Mexico, Brazil, Hungary, Romania, South Africa and China with huge success. Ghana is still struggling to develop effective programmes to properly optimise the benefits of resource efficiency and waste generated by SMEs. The NISP UK approach clearly supports the objectives of the Ghana Government policies especially in waste management, promotion of ecoinnovation and sustainable consumption and production.

OBJECTIVES

The project seeks to promote sustainability among companies in three regions of Ghana by encouraging the reuse of other companies' by-products by means of facilitating industrial symbiosis. The project will promote the use of integrated waste management techniques in participating companies' processes. The project will also demonstrate a large-scale industrial symbiosis network in Ghana, as a basis for replication to other areas in Ghana or to a full-scale national program.

ACTIONS

- » Empower local SMEs to develop their capacity and knowledge regarding efficient operation leading to cost reduction, pollution prevention and waste reduction opportunities.
- » Mobilising of an innovative and pioneering circular economy in the target region.
- » Improve local knowledge and expertise in industrial symbiosis and integrated waste management techniques.
- » Complementing the Ghanaian government efforts to promote circular economy and sustainable consumption and production among companies.
- » Creating awareness and political support for the Chamber of Commerce to promote ecoinnovation and sustainable consumption and production.

KUMASI REGION, CHAMBER OF COMMERCE AND INDUSTRY, GHANA

PARTNER:

International Symbiosis Limited [ISL]

LOCATION:

Ghana - Ghana focusing on three Regions – Ashanti, Greater Accra and Western Region

Budget



\$234,000.00

Timeline



36 Months