

**Abstract:**

With the increase in population growth and technological development, the amount of waste of various types has increased and has become a danger to humans and the environment, this is not an exception in Palestine, with the solid waste management system in Palestine suffering from many challenges.

Such as the increase in the amount of waste generated. This has become a danger to humans and a burden and a challenge to local governments.

The aim of the project is to design a recycling facility system that treats solid waste.

The objectives of such a system are to transform the inputs that are waste, to the output materials that are basic raw materials the project will generate recommendations of the type of system that should be installed, operational requirements and benefits to municipalities and the environment.