Transforming Waste into Electricity (Engineer):

**Objectives to be achieved by the plant:**

Proper Waste Sorting: Implement an efficient waste sorting system to separate recyclable materials from non-recyclable waste, ensuring that only suitable garbage is used for energy generation while recyclables are processed properly.

Enhance Waste-to-Energy Efficiency: Utilize advanced technologies (e.g., anaerobic digestion) to maximize energy production from waste, ensuring minimal environmental impact and maximum electricity output for sustainable mobility solutions.

**Project Goals and Aims:**

**Phase 1: Waste collection and sorting system setup.**

Set up systems to collect and sort waste, separating recyclables from non-recyclable materials. Only non-recyclable waste will be used for energy generation**.**

**Phase 2: Development and testing of waste-to-energy technology.**

Use waste-to-energy technologies like pyrolysis or anaerobic digestion to convert non-recyclable waste into electricity.

**Phase 3: Energy storage and distribution system implementation.**

Develop a system to store and reliably distribute the electricity produced from waste. For example large scale battery storage or connection to grid.

**Phase 4: Community outreach, awareness campaigns, and project scaling.**

Run awareness campaigns to educate the public on the benefits of waste-to-energy and the benefits of recycling waste and protecting the environment.

Encourage public support by inviting donations to help fund the project, whether through financial contributions or other resources.