The Cambridge Waste-to-Energy Fund was set up to develop waste-to-energy facilities in seven (7) African cities. Each Facility will be a multi-purpose plant with numerous functions. The first city, Addis Ababa, is currently being completed. Three cities will start construction in early 2018 and an additional 3 cities will follow in 2019.

The Reppie Waste-to-Energy plant is expected to receive 1,400 tonnes of municipal waste a day, representing an annual waste-disposal capacity of 420,000 tonnes, and will be a vital waste disposal and renewable-electricity generation facility for the city of Addis Ababa. Located only 5 miles from the African Union (AU) Head Quarters, Reppie will help the City dispose of close to three quarters of its daily waste generation in an efficient and environmentally-friendly manner, whilst at the same time producing an expected electricity production capacity of 185GWh per year. The facility is designed with a redundant energy generation and evacuation system for added reliability and extended operation. By diverting waste from landfills and by adhering to the strict European environmental standards for WtE, the Reppie Facility will be a showcase for other cities and countries across Africa.

Delivered by: Cambridge Industries Ltd in partnership with China National Electric Engineering Co., Ltd.
Samuel Z Alemayehu
Managing Director | Cambridge Industries Ltd.
salemayehu@cambridge-industries.com
www.cambridge-industries.com
OUTPUT FROM
REPPIE WASTE-TO-ENERGY

>400,000,000 KG
80% Waste Eliminated (p.a)

>3,600,000 KG
Recycled Metal (p.a)

>200,000 Tons
Steam Generated (p.a)

>185,000,000 kWh
Electricity Generated (p.a)

>1,200,000 Tons
CO₂ averted (p.a)
Equivalent to 900,000 trees planted annually

>3,000,000 BRICKS
Brick from Ash (p.a)

>30,000,000 L
Water Recovered from Waste (p.a)