



# Labour Intensive Integrated Solid Waste Management

## Mechanical-Biological Treatment (MBT)

Coordinate • Collaborate • Co-create



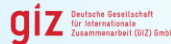
Supported by



Co-Funded by the European Union



Implemented by



# General overview

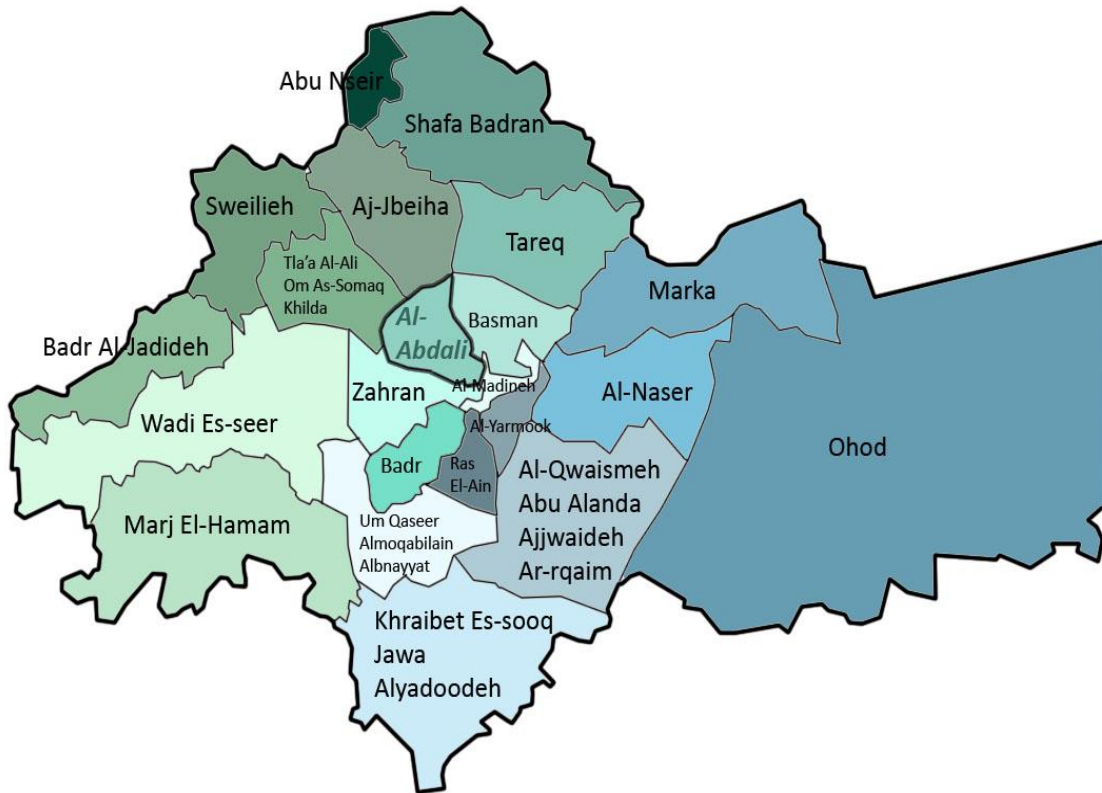
**Location:** Western Asia, in the Middle East

**Population:** 11 million inhabitants

**Capital city:** Amman, approx. 4.5 million inhabitants



# Greater Amman Municipality



- **GAM is composed of 22 Districts**
- **The total area of GAM is about 800 km<sup>2</sup>**
- **Waste Generation is 0.90 kg / Capita**
- **Waste Collection: 3200 ton per day**

# Pre- collection



3500



42000



42

# Collection



227



750

# Transfer station



- There is currently one transfer station serving all areas of Greater Amman Municipality (East Amman Transfer Station).
- The maximum daily capacity is about 5000 tons.
- The number of working mechanisms for transporting waste from the station to the Ghabawi landfill is about 50.

# Sanitary Landfill



- Site selection and suitability confirmation as per international standards
- 200 (Hectare)
- 9 cells with potential service time beyond 2035

# PROJECTS

## Our Partners





# Environmental strategic projects 2022-2026



- Waste recycling project from the commercial sector in cooperation with USAID .
- Solid waste management and sorting project from the source SoWas
- Labour Intensive Integrated Solid Waste Management (MBT- Project)
- Rehabilitation project of Al-Sha`eer Transfar Station
- Amman Vision Company for Treatment and Recycling

# Labour Intensive Integrated Solid Waste Management

## Mechanical-Biological Treatment (MBT)

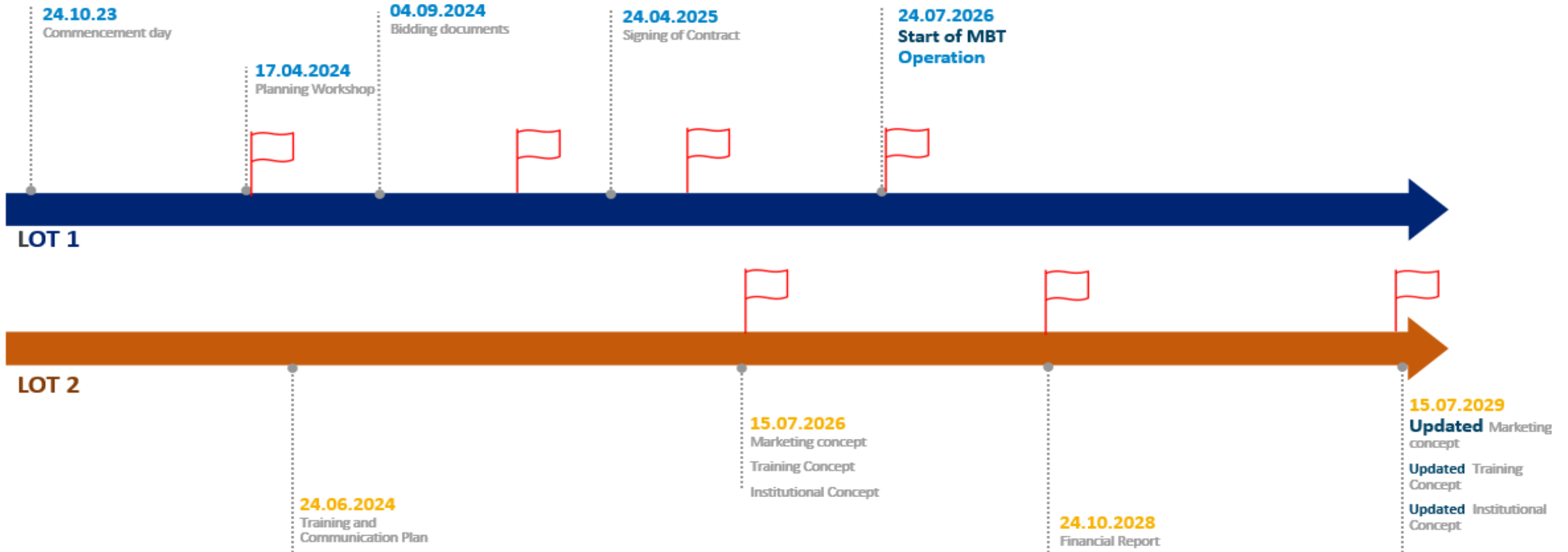
# Main Objective of the Project is to:


“Support GAM through the identification and preparation of investment projects for different resource recovery strategies”

# Project Goals

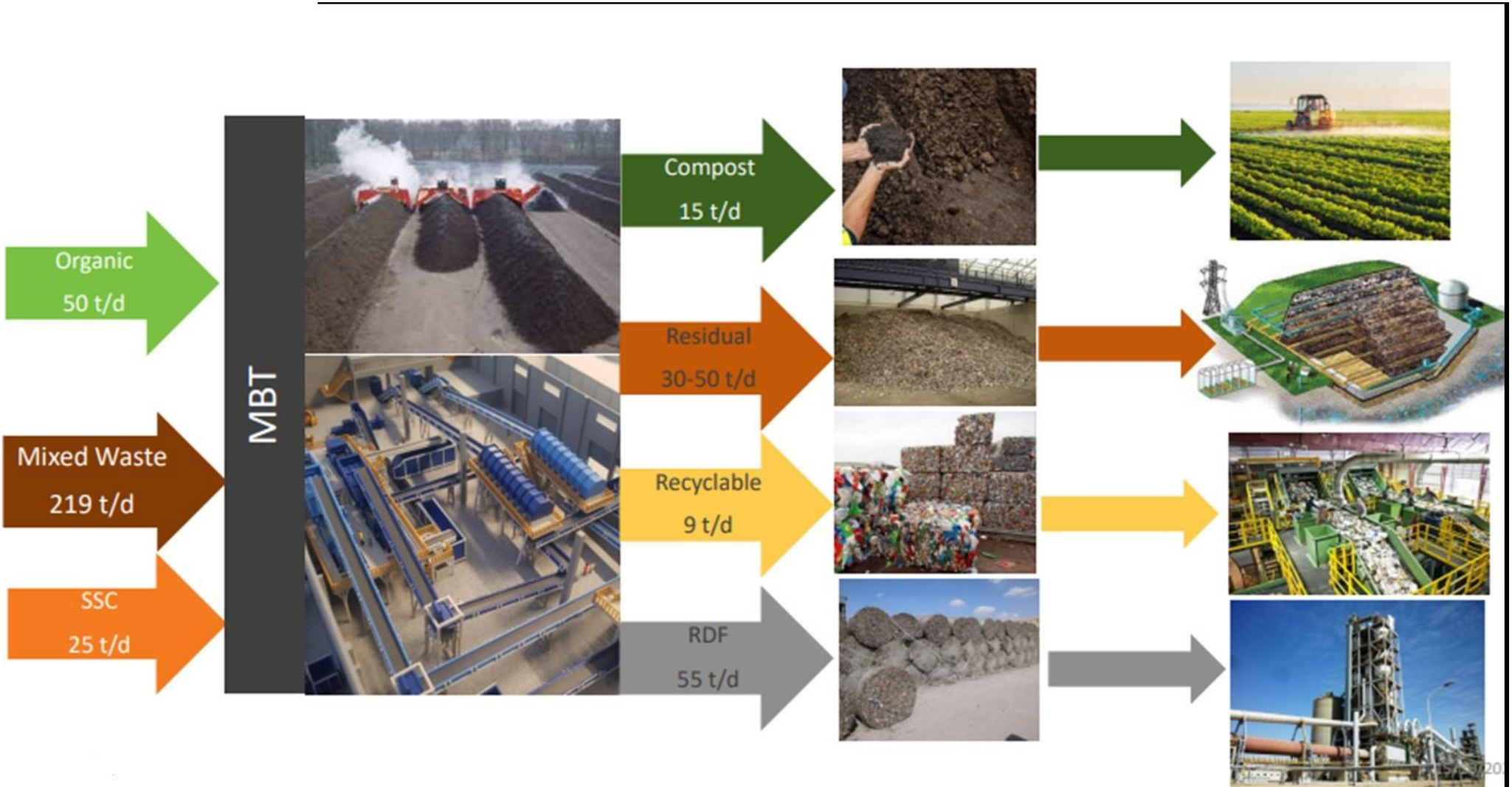
- **Minimize the required landfill volume.**
- **Contribute to resource-efficiency and greenhouse gas mitigation.**
- **Create as much as possible job opportunities.**
- **Utilize organic waste to produce compost and / or biogas.**

# Project Plan and Milestones

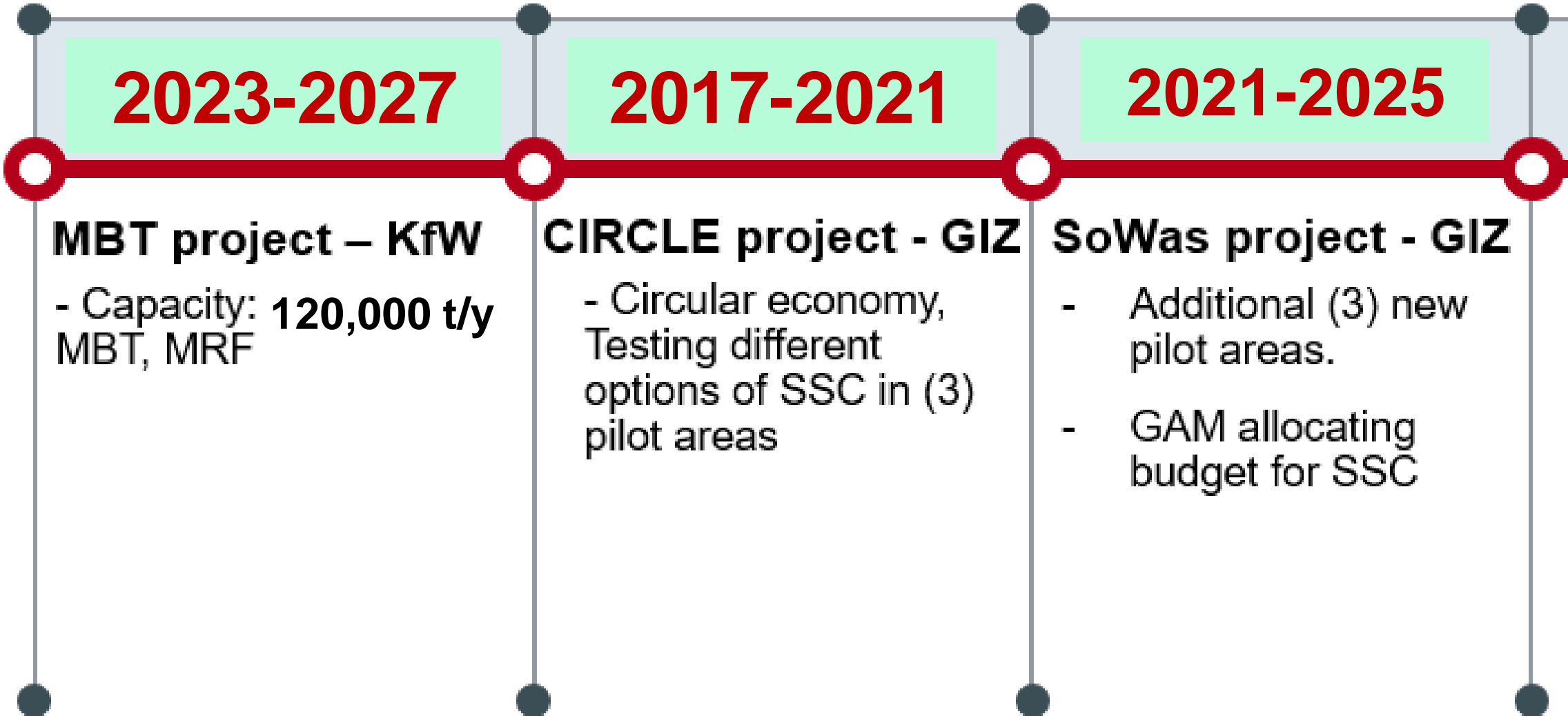


 Milestones of the budget calculations

# MBT DEMONSTRATION PLANT



# Interventions:



## Contact Details

**Eng. Omar Isam Arabiyat**

**Manager of Environmental  
Studies Department**

**Greater Amman Municipality**

**[Omar.ar@ammancity.gov.jo](mailto:Omar.ar@ammancity.gov.jo)**

**[linkedin.com/in/omar-arabiyat](https://www.linkedin.com/in/omar-arabiyat)**

**Phone no. :+962797471110**