Bin level monitoring in Public areas

Location 1

PBLMU — Trash bin 1
PBLMU — Trash bin 2
PBLMU — Trash bin 3
PBLMU — Trash bin N

LoRaWAN Gateway

Location N

PBLMU — Trash bin 1
PBLMU — Trash bin 2
PBLMU — Trash bin 3
PBLMU — Trash bin N

LoRaWAN Gateway

Central Monitoring Station

Internet

UDP

gateway bridge

MQTT

MQTT broker

MQTT

MQTT

Application Server

gRPC

Database

Network Server

Cloud / Server

Bin level monitoring in Residential areas

Home Router

HBLMU — Trash bin 1

Home 1

Home Router

HBLMU — Trash bin N

Home N

Team Id – PNT2022TMID11784