

EcoCycleCloud

Moblie Application

Recycling bin

User Login

Correct

User ID and Pw
(FROM WHERE?)

Capacity
From Bin situation

Show Bin Capacity

Show User Marks

Show Bin on Map

Open Signal
(From User Login)

Signal = 1

AI image classification

waste type

Moving to different area

Signal = 0
(When waste move to area successfully)

Open Signal
(To close the cover)

Bin flammable gas detection

Gas % in air
(can show as marks)

Bin situation display

Bin capacity detection

Capacity (% or
Full bool)

User login

RFID touch

USER ID
(FROM WHERE?)

Before Login Show

After Login Show

TFT screen show data

USER MARKS
(FROM WHERE?)

Open Signal
(Also use to AI Waste
Classification)

Signal = 1

Signal = 1

Open Signal
(From AI Waste
Classification)

Signal = 0 (close)

Auto Open the Cover