title Garbage container perspective

Main->Module: power\_on()

Main->Module: sendATcommand(aux\_str, "OK", 2000)

Main->Module: sendATcommand("AT+CGSOCKCONT=1,\"mmsbouygtel.com\"", "OK", 2000)

Main->Module: sendATcommand("AT+CSOCKAUTH=1,1,\"\",\"\"", "OK", 2000)

Main->Module: sendATcommand("AT+CGPS=1,1", "OK", 1000)

Main->Main: i2c\_init()

Main->+Sensor: sensor()

Sensor->Sensor: start\_sensor(234)

Sensor->Sensor: read\_sensor(234)

Sensor-->-Main: return distance

Main->+GPS: lat\_long()

GPS->GPS: get\_GPS()

GPS->Module: sendATcommand("AT+CGPSINFO", "+CGPSINFO:", 1000)

Module-->GPS: return gps\_data

GPS-->-Main: return coordinates

Main->+Xively: send\_data(TCP\_message)

Xively->Module: sendATcommand(aux\_str, "Network opened", 20000)

Xively->Module: sendATcommand(aux\_str, "Connect ok", 20000)

Xively->Module: sendATcommandmessage(message\_TCP, "Send OK", 20000)

Module-->Xively: return answer

Xively->Module: sendATcommand("AT+NETCLOSE", "OK", 20000)

Xively-->-Main: return answer

Main->Main: delay(600000)