**1.**Self-Driving Trucks

It’s still in the development phase, but autonomous waste pickup is close to being implemented. As known, Volvo has been working on this technology for many years with Uber for a self driving pickup truck. This system targets a truck maneuvering itself while the operator gets out to collect the garbage. Gear changing, steering, and speed are also optimized for low fuel consumption and emissions.

**2.** Image-based trash can sensors:

Image-based trash can sensors are GPS-based and automatically monitor fullness and contents. It also determines which containers need service each day, then schedules routes and evenly distributes jobs to drivers.

**3.**Robot Recyclers

**4.**Garbage Truck Weighing Mechanisms:

It is similar to the waste level sensor in the bin. A garbage truck weighing Mechanism is installed in garbage trucks to predict the fill levels and reduce collection trips.