

TOP 3 IDEAS FOR SMART WASTE MANAGEMENT IN METROPOLITAN CITIES

Garbage Truck Weighing Mechanisms

Like waste level sensors, weighing mechanisms installed in garbage trucks can help predict fill levels and reduce collection trips. They do this by measuring and storing the weight of waste containers, then using the data to predict fill levels over time. Cities can use this technology to more accurately predict how often they need to send their trucks out and reduce annual collection costs.

E-Waste Kiosks

Electronic waste that is improperly disposed of can be harmful to both humans and the environment. Fortunately, many companies and organizations have started e-waste recycling programs that will accept — and even reimburse you for — old electronic devices.

ecoATM, a smart recycling company, took this idea one step further by creating a line of e-waste recycling kiosks that allow you to exchange your electronics for cash on the spot. While they won't always offer cash for devices that are broken or destroyed, they accept phones, tablets and MP3 players in any condition and ensure that they are recycled properly.

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.

“Our self-driving refuse truck is leading the way in this field globally, and one of several exciting autonomous innovations we are working with right now” explains Lars Stenqvist, Chief Technology Officer, Volvo Group. Additionally, Stenqvist states this new technology provides benefits for a reduction in the risk of occupational injuries.