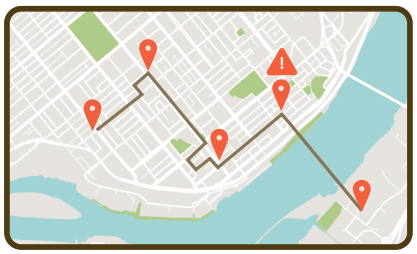
1SHIFTLOGISTICS

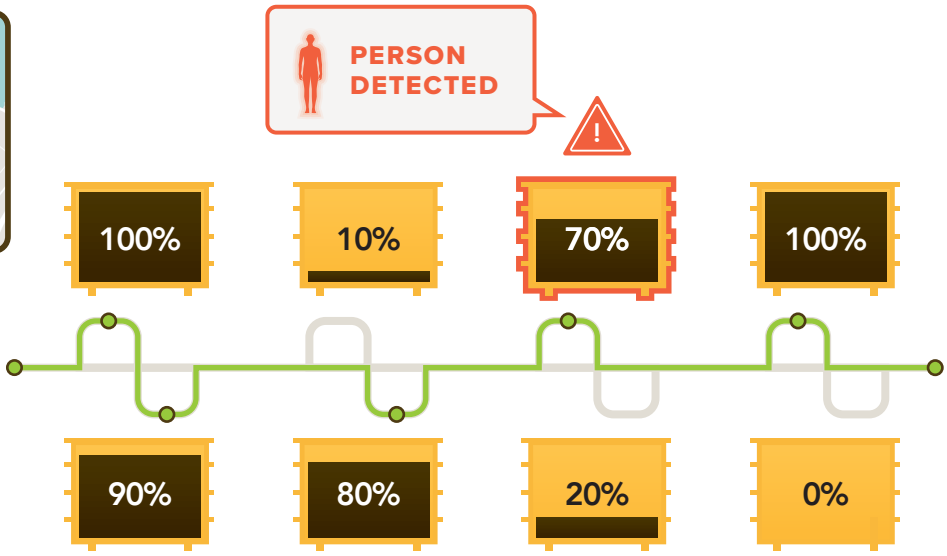
# SMART WASTE MANAGEMENT SOLUTIONS

## Use data insight to improve safety and drive cost savings.

SMART CITIES

- Receive a safety alert when a person is trapped inside a collection bin or at risk of going unnoticed inside dumpster.
- Deploy more collection bins with confidence in safety and pick up cost efficiency.
- Save labor time and fuel costs by optimizing scheduled routes.
- Optimize the fill percentage threshold to trigger automatic pick ups.
- Create a scheduled route to only pick up the bins exceeding a defined fill threshold.
- Minimize the number of trucks deployed for the maximum volume picked up.





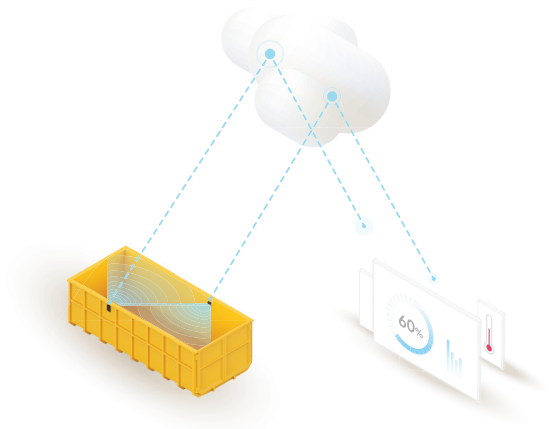
**Our sensor platform consist of a core unit containing the battery and the brains, and an external sensor module, which is designed for ease of install and is based on our "Plug and Play" philosophy.**

**This mix of generic portable with specifically designed solutions is the perfect mix allowing for speed to install coupled with the right cost structure, of a generic IoT solution, also adding the ability to customize for tighter usability and result when needed.**

## INTERCHANGABLE HEADS

The sensor heads are designed for a specific application so no compromises on sensor technology or shape needs to be made.

Leveraging 3D printing, and off the shelf sensor modules allows you to get the benefit of a custom solution at the speed of a generic one.




## RUGGED DESIGN

Initially designed to be used in industrial waste dumpsters, where the unit has to withstand strikes from building material dropped from stories above.

Use of high strength plastics and metal shielding allows this platform to survive in harsh outdoor environments like the construction waste industry.

## UNIVERSAL SENSE BOX

The SENSE box contains the communication, and edge computing layer. This allows the sensor head to live separately from the computer, in the hash enclosed environment, allowing for faster and cheaper sensor head replacement functionality in the case of damage. The SENSE box can stay out of harms way, allowing ideal placement in sunlight (solar battery charging ability), a strong signal for data communication, and easy user serviceability.

For more details email us at info@1shiftlogistics.com