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Sorting recycled items hurts developing nations



Our current Recycling system is broken

Numerous billionaires were created by exploiting the broken system

The sorting industry will only continue in the developing countries until it expires like it did in China

The environmental cost of shipping plastic across the world is harmful to the environment as well

All the workers laid off and communities damaged by pollution will continue to worsen

Our solution

1

The Intelligent Recycling Implementation System(IRIS) is our solution to these problems

2

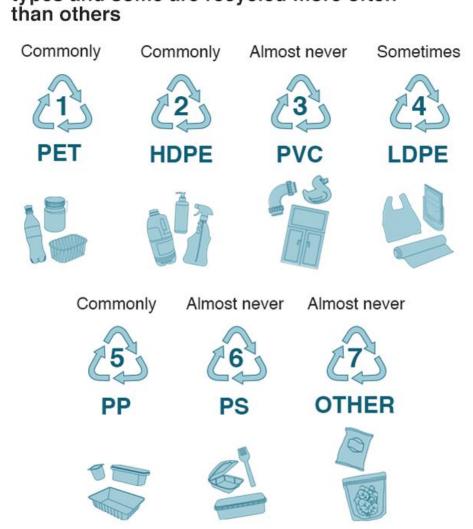
IRIS will recognize recyclable materials using deep learning technology at high usage locations

3

This allows companies to presort for only the most viable recyclable items such as type 1 and 2 recyclables 4

As prices fluctuate, the algorithm can be updated to keep recycling monetarily viable and environmentally friendly.

Plastic packaging is made from seven different types and some are recycled more often than others



BBC

Types of Plastics

- Types one and two are usually recycled
- The last 5 are either not profitable to recycle or



Specifics

Raspberry Pi, Camera, Brain hat, Camera cable, SD card case, camera case, SD card reader

Full single price = \$135

In this building: 15 Recycling Bins

Average Technician Price: \$17/Hour

Around 3-4 Hours to install all cameras in this building with testing

Implementation Cost ~ \$2093

Recap/TLDR

- IRIS solves the environmental and human impact of recycling
- IRIS automates the whole process of sorting recyclable materials
- IRIS will use deep learning to tell anyone whether their item can be recycled or not

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