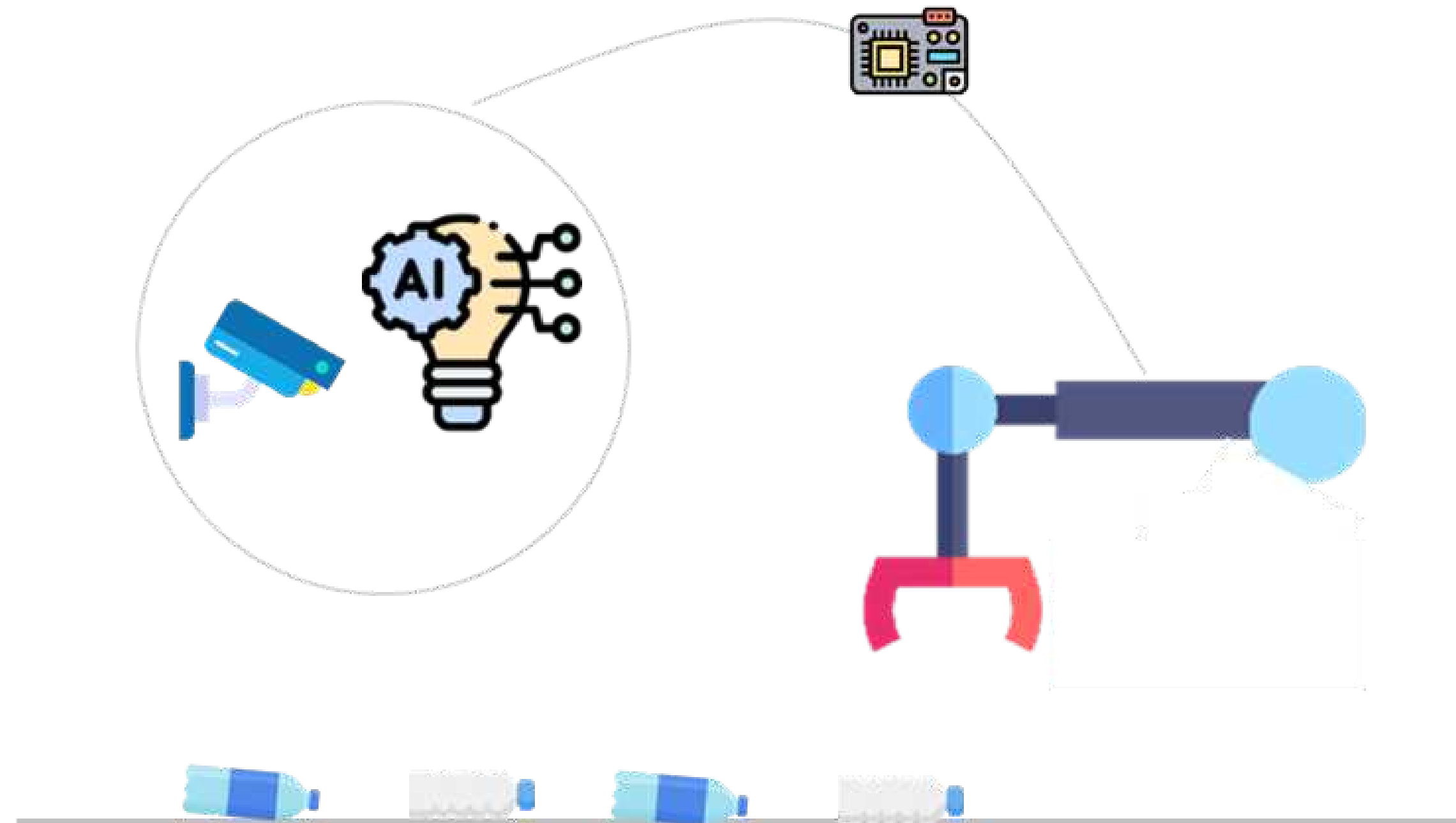


Robots for cleaner and greener future

We don't want to live in a world that is filled with dirt & garbage. So, we are working to change that

Born from our vision to live in a cleaner future, we're building an intelligent robot that can help.



We create intelligent robots that identify and segregate waste automatically

www.ecoorbitsolutions.com

Our Partners



Come join us in disrupting the waste segregation sector & making the world a cleaner place to live

www.ecoorbitsolutions.com

Contact Us



Abhishek Gorle

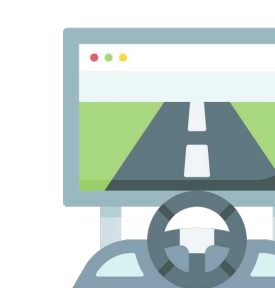
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Getting started with us



Order booking and requirement collection



Environment simulations and changes discussion



Product delivery, Installation & Monitoring



Training the existing staff to operate the solution

www.ecoorbitsolutions.com

Waste segregation scaling is not easy

Through automation scaling is easy

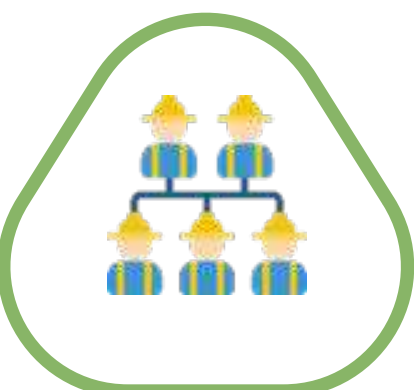
Scale up operations by 3X

1.5L Metric tonnes of solid waste is generated per day and 77% of it is **disposed in landfills**. The main reason why so much of waste ends up in landfills is due to **slow pace of waste segregation**. Waste segregation, till date, is manually done, labour intensive and highly inefficient. Why? Because of the following reasons



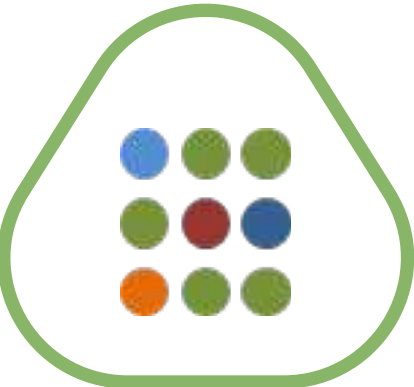
Huge labour overheads

As the labor workforce increases, their management will also increase considerably such as increase in supervisors, facilities and complying with various other labor laws



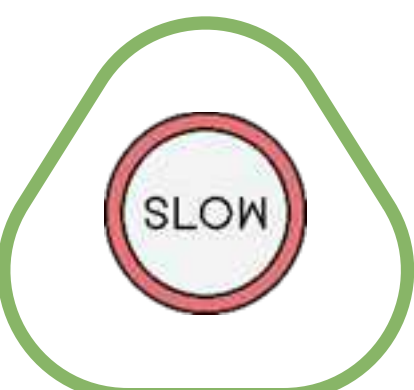
Lack of skilled workforce

The required skilled work force is not always available. It takes 5-8 people to segregate 1 ton of waste per day. If the plant must scale from segregating 1 ton to 5 tons, it needs 25-40 people to achieve the scale. In waste segregation industry, the labor requirement increases linearly with scale up.



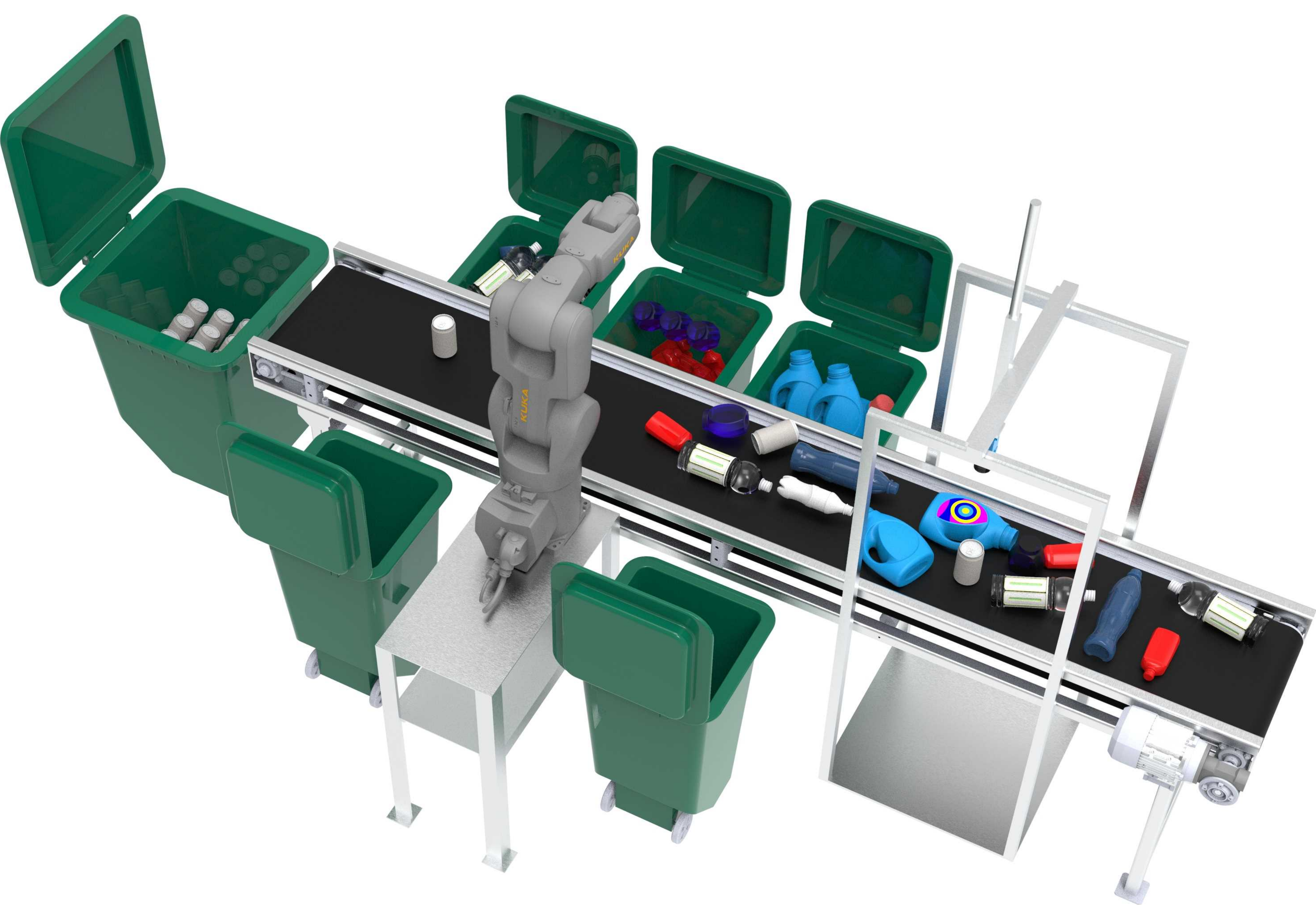
Inconsistencies

With larger work force deployed, the consistency & quality drops provided the quality checks are not implemented. Differences in the skill levels among the labor causes such inconsistencies and thus increases the quality inspection costs



Slower pace than expected

Due to increase in labor, differences in the skills & other factors the pace of segregation decreases with increase in labour force. This leads to non-linear increase in labour requirements



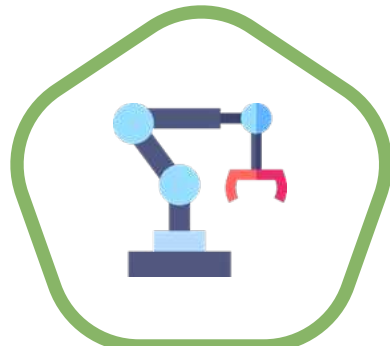
Automation

The answer to **increasing productivity** of waste segregation shop floor lies in **Industrial automation**. Automating waste segregation will accelerate our transition to greener economy. We are building **intelligent robots to aid automatic waste segregation**. We use Robotics, AI/ML & IoT technologies to identify different classes of waste and segregate them automatically

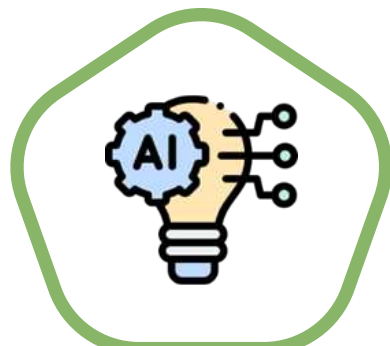
Key Features



Scale up segregation by 3X



Single robot can segregate 1 ton / day



Intelligent insights into operations

Benefits



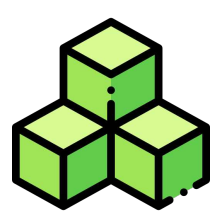
Higher revenue

Maximum recovery of recyclables with higher purity



Low Cost product

Low cost technology to easily try out the product



Modular installation

Installable in any existing conveyer based facility with little downtime.

Waste segregation scaling is the biggest bottleneck in achieving cleaner future