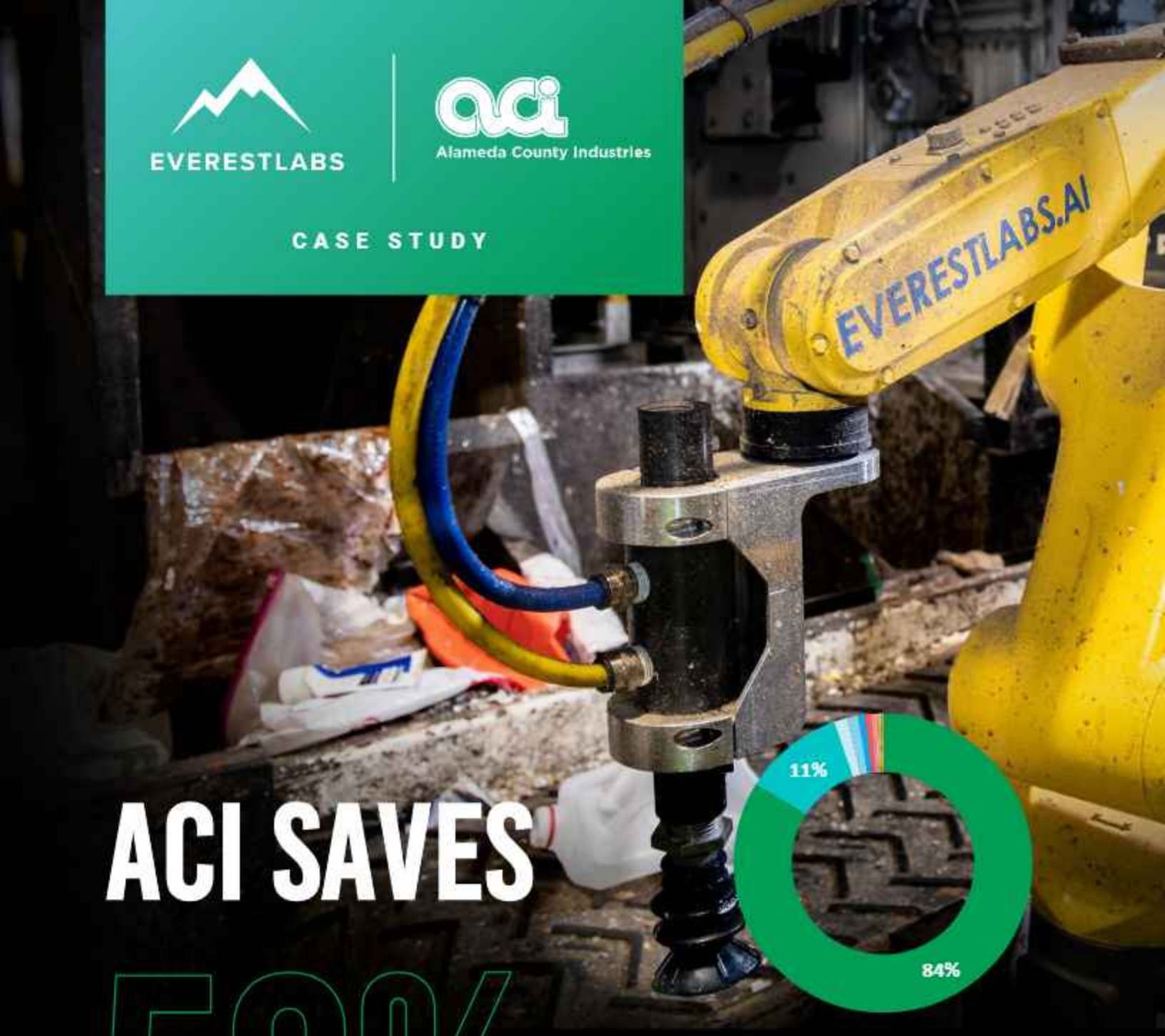
EVERESTLABS

Alameda County Industries

CASE STUDY



ACI SAVES

59%

on Labor with Robotics and AI

- aluminum
- tincan
- aerosol
- HDPE baby formula bottle
- PBAG color
- other
- packaging wrapper
- PBAG clear
- styrofoam
- paper
- alfoil
- PET
- cardboard brown
- HDPE color
- tetrapack
- PETE water cup clear
- cardboard color

CASE STUDY

ACI SAVES

59%

on manual sorting operations

RecycleOS AI and Robotics improves sort quality while solving labor challenges for a 2 shift MRF.

INTRODUCTION

Alameda County Industries (ACI) a MRF in the San Francisco Bay Area, processes about 300 TPD. They operate five days a week with two shifts Monday - Friday. ACI turned to EverestLabs to see if we could help address labor challenges, operate more efficiently, save on landfill costs, and recover more.

PROBLEM

ACI struggled with maintaining a fully staffed plant amid high turnover and safety concerns. In addition, the high cost of contract labor combined with the staffing shortage made it difficult for ACI to run efficiently and produce consistent and high-quality bales.

SOLUTION

EverestLabs consulted with ACI to understand their facility and concerns so that we could place their first **RecycleOS** system (AI and robotic cell) in the most valuable spot. Finding that the aluminum QC line was the most valuable commodity, it took EverestLabs only a few hours to install the entire system and get it up and running.

"EverestLabs proactively manages all aspects of AI and robotics cells 24/7. For over 3 years, we continue to save many operational hours and costs because the Robotics Operations Center team not only oversees their own systems but also catches upstream issues that reduce downtime."

— Ernesto Jauregui, Operations Manager of ACI

RESULTS

After having **RecycleOS** installed several things stood out to ACI.

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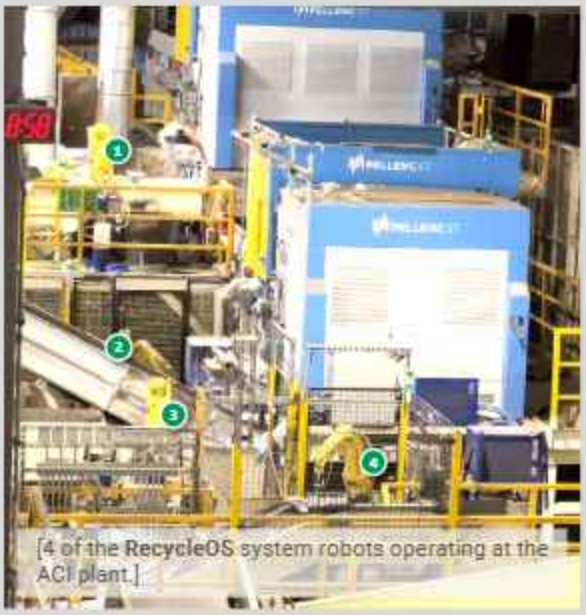
1. **ACI** saw a **59% reduction in labor costs** and recovered over 500,000 non-recyclable objects from their aluminum QC line.



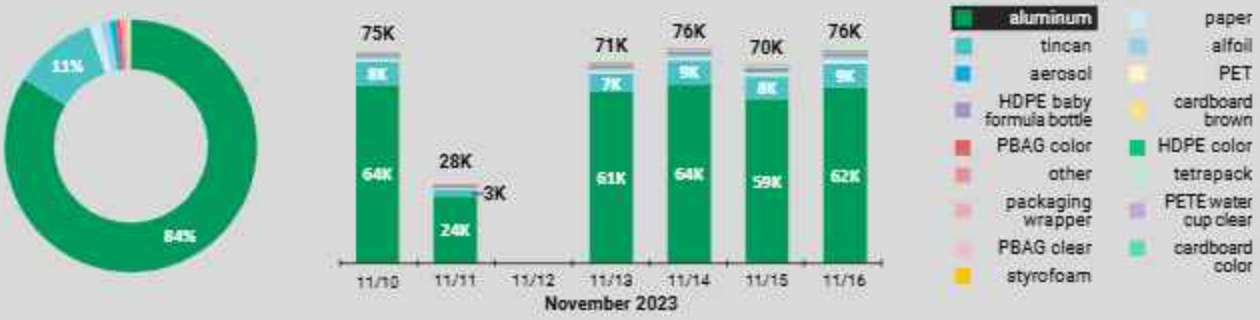
[4 of the **RecycleOS** system robots operating at the ACI plant.]

2. The robot had a **>99% uptime** during operating hours.

3. With the **RecycleOS** Robotic Operating Center (ROC), they didn't need to babysit the robot. EverestLabs' ROC monitored their system 24/7 and would alert them within minutes if any issues were discovered.

4. The data provided by **RecycleOS** helped them understand what was going through their QC line so they could optimize upstream equipment parameters.

MATERIAL COMPOSITION



NEXT STEPS

After experiencing **payback in 3 months on their first RecycleOS system**, they chose to add three more systems in their facility which were on their PP5, PET QC and HDPE lines. In just three years, these EverestLabs robots have picked **28,588,759 objects** without any need for major maintenance or downtime.

28,588,759
Objects Picked