

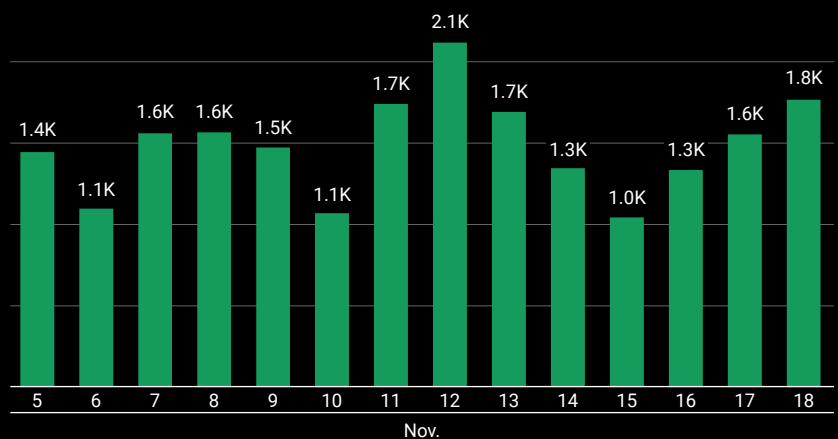


CASE STUDY



**NEW INDUSTRY
PARTNERSHIP
INCREASES
UBC RECOVERY
AT CAGLIA
ENVIRONMENTAL**

COUNT OF CANS PICKED



NEW INDUSTRY PARTNERSHIP INCREASES UBC RECOVERY AT CAGLIA ENVIRONMENTAL

“EverestLabs’ real-time and easy-to-use analytics platform, alongside an easily retrofittable robotic cell with zero disruptions and guaranteed highest recovery in the industry, ensures all possible UBCs are recovered. With CMI wanting to recycle more aluminum beverage cans and Caglia becoming a recycling industry leader, this program is a win-win for everyone.”

— Corey Stone,
plant manager at Caglia Environmental



CASE STUDY

INTRODUCTION

In September 2023, the **Can Manufacturers Institute (CMI)** initiated a groundbreaking project to fund an **EverestLabs** robot at **Caglia Environmental (Caglia)**, a material recovery facility (MRF) in central California. This program is the latest in a **several-year effort** by CMI to generate environmental and economic impact through capturing missorted used beverage cans (UBCs) to ensure they are recycled.

PROBLEM

CMI’s **research** highlighted that up to one in four aluminum beverage cans is missorted at a typical material recovery facility (MRF), which sort single-stream recyclables. This loss of cans results in substantial revenue loss for MRFs. Further, when CMI **analyzed** UBC sortation at five loss points across three diverse MRFs, on average the UBCs lost at each loss point was between 7 to 36 UBCs per minute, which is equivalent to an average annual revenue loss of \$71,940.

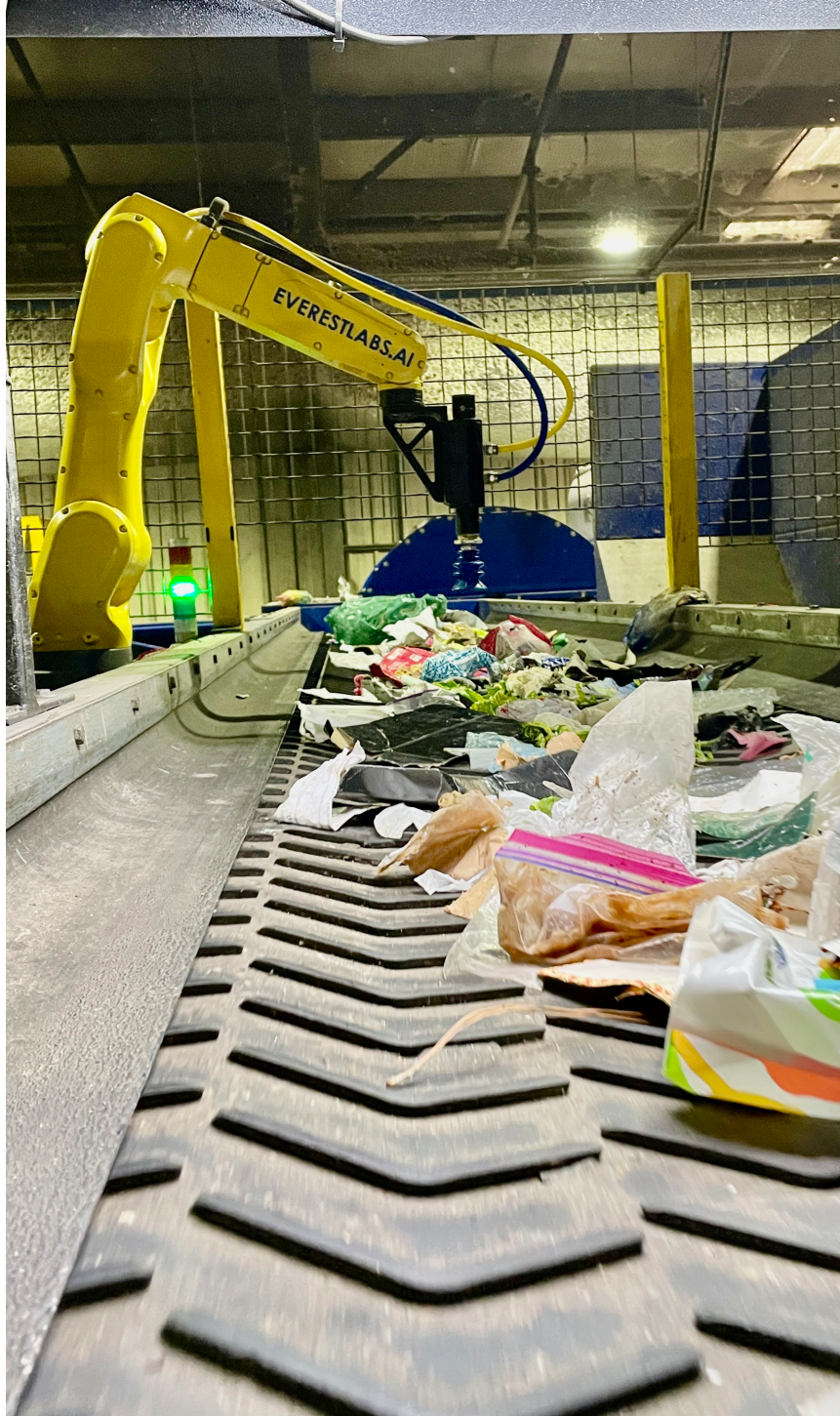
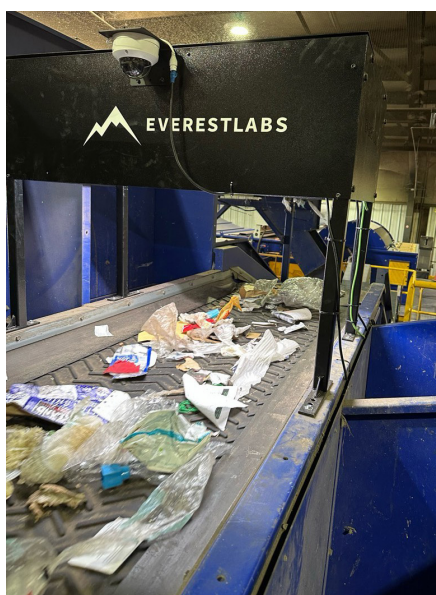
The need to capture these valuable recyclables prompted CMI to explore innovative solutions that could be easily retrofitted into existing sorting facilities and that could deliver revenue back to CMI that it could use to then fund additional can capture equipment in MRFs.





SOLUTION

CMI utilized a unique financing model to fund a robot at Caglia. They secured funding from Ardagh Metal Packaging and Crown Holdings to fully finance the two-year equipment lease for Caglia. In return, Caglia agreed to share 50 percent of the revenue generated from the UBCs with CMI. The economics of the sorting and EverestLabs' flexible, all-inclusive model made this program possible.



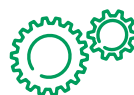
The EverestLabs AI and robotic solution were selected for the two-year equipment lease for reasons including:



EverestLabs' AI and robotics can be deployed within a few hours with no downtime or retrofits.



Tracking of robotic performance with 24/7 professional monitoring.



Dependable solution with performance guaranteed.



Minute-by-minute data on what types of materials are coming across lines.

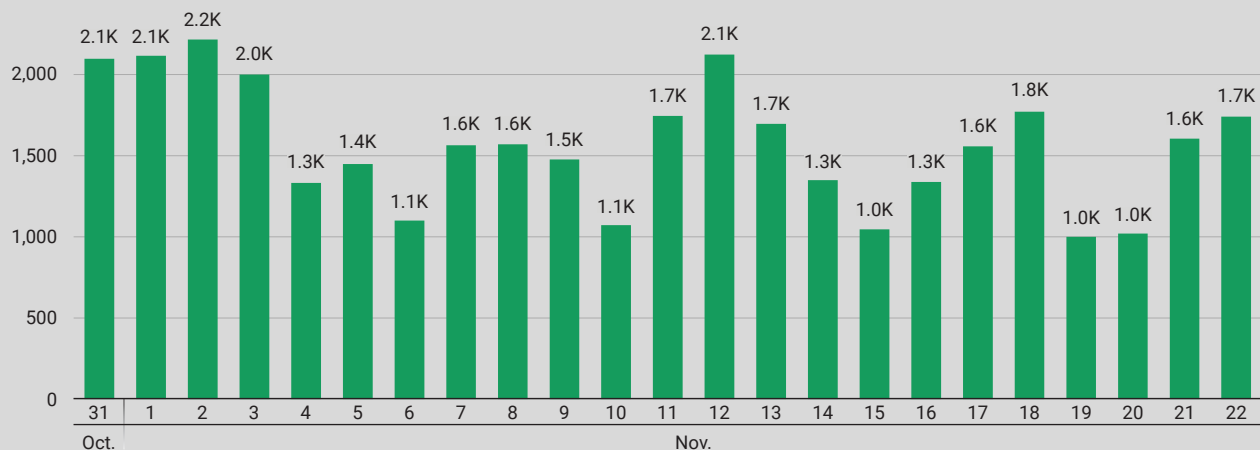


RESULTS

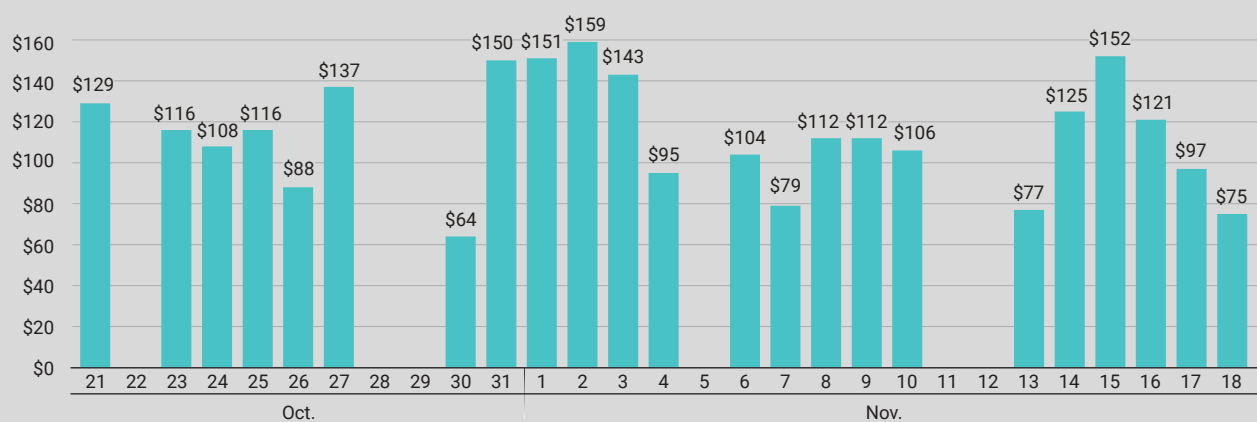
Since August, EverestLabs AI and robotics is recovering an average of 1,565 UBCs per day. This not only reduces carbon emissions and waste sent to landfills but also generates revenue for both Caglia and CMI.

When there are no UBCs present to pick, EverestLabs can prioritize picking missed containers, further increasing material recovery.

COUNT OF CANS PICKED



VALUE OF CANS RECOVERED



NEXT STEPS



CMI plans to use the learnings from this successful initiative to support additional UBC capture equipment at MRFs, further enhancing the recycling industry's efficiency. CMI and EverestLabs are now looking to expand their partnership and are exploring placing a robotic system in another MRF.