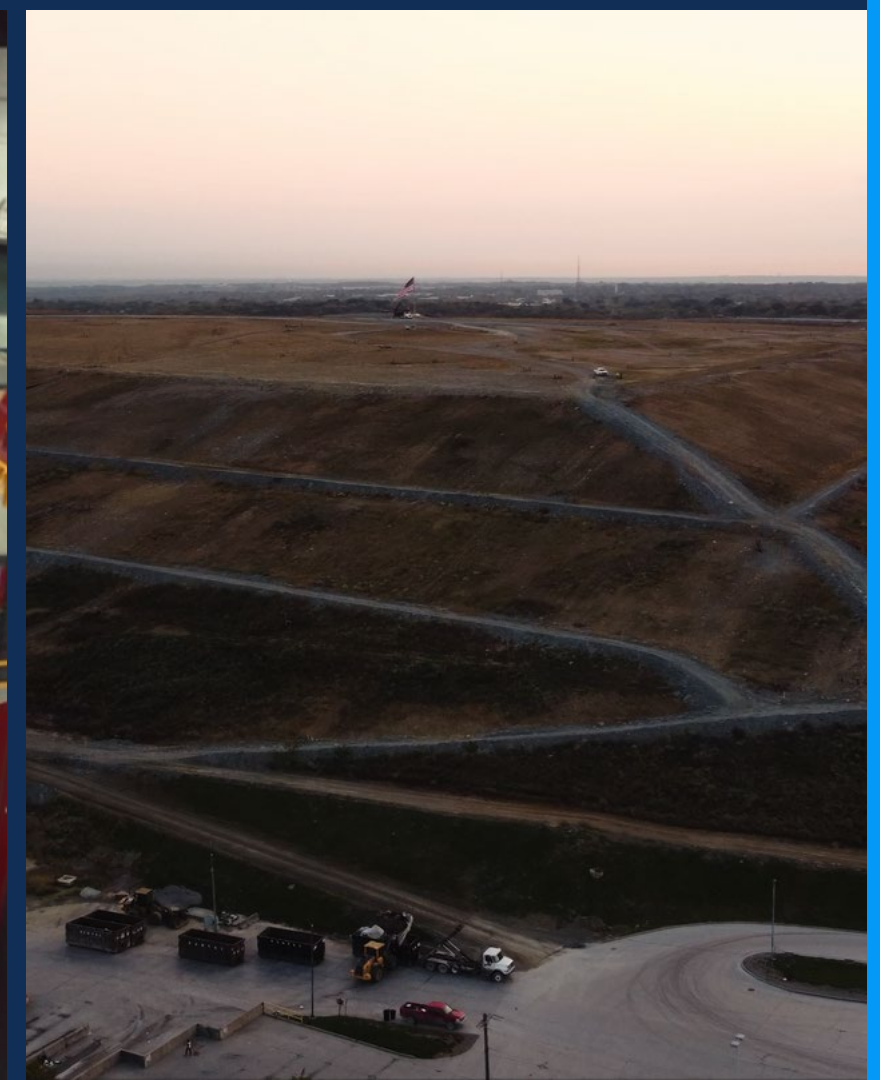




AI & Tech Trends in the Waste Industry





WIS - Waste Innovation System
Specializing in software and hardware for the
waste collection side of the Waste Industry.

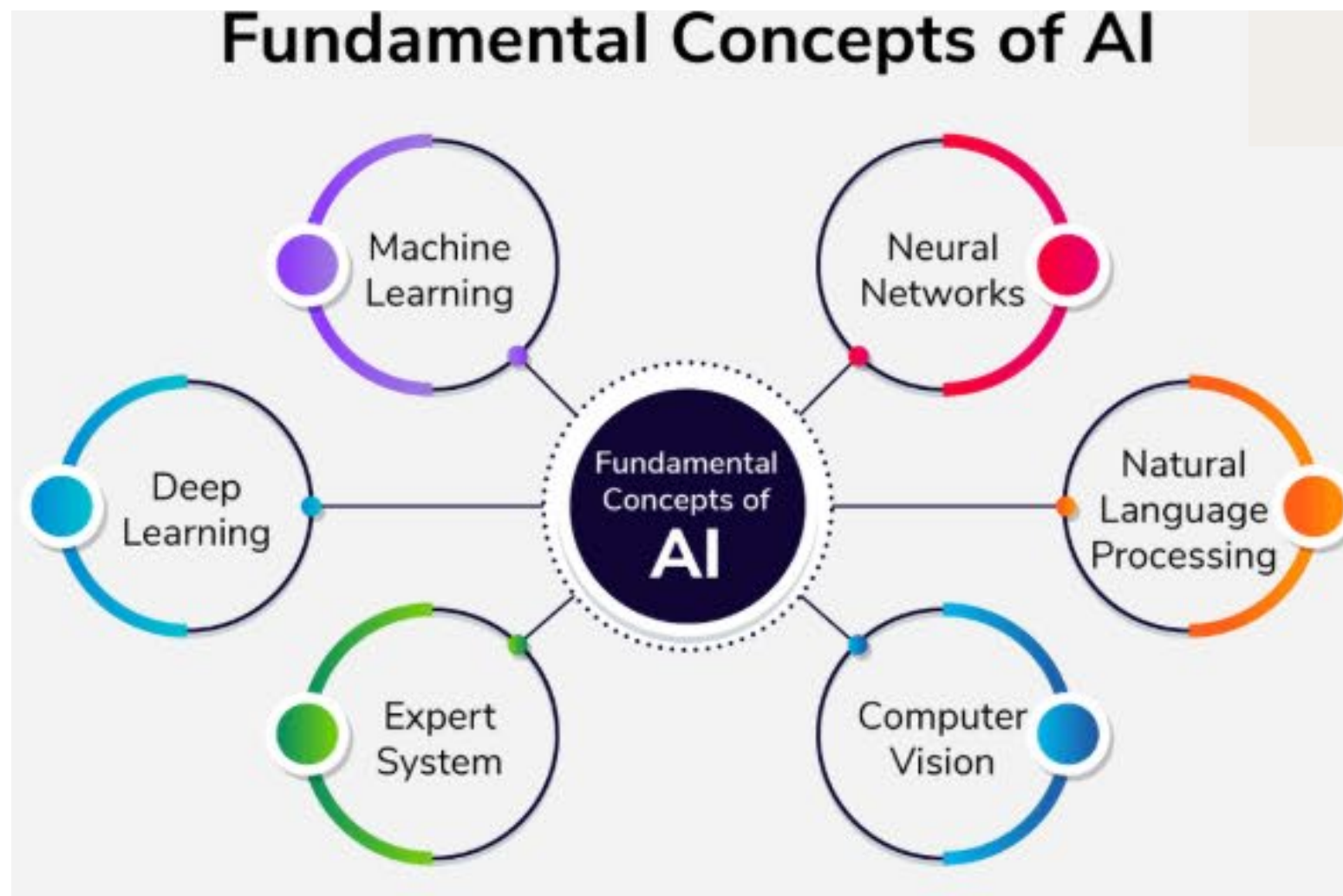
We use the latest in tech, automation, AI and
more to deliver better solutions for

- Truck Navigation
- Route optimization
- Contamination detection at truck level
- Automation of collection verification
- Billing / CRM / Payments
- Call centres
- Reporting
- and more

What is AI

In simple terms, AI is thinking and problem solving like a person.

Artificial intelligence (AI) refers to computer systems capable of performing complex tasks that historically only humans could do, such as reasoning, making decisions, or solving problems.



The question for the waste industry is
How Can Artificial Intelligence Help Your Business?



Automating
Everyday
Tasks



AI - The 30% rule!



30% of manual tasks removed

There are manual tasks that staff are performing on a daily basis that can be removed by AI



Not replacing 30% of staff

Just because you can automate 30% of daily tasks, this does not mean you should necessarily replace 30% of your staff. Focus is on getting people doing more valuable work



SmartCam



Key Areas



Trucks, Navigation + Routing

Truck performance and efficiencies are improving every year. We are pulling more data from trucks, delivering more efficient routes and simplifying driver tasks.



Cameras

The use of smart cameras in many sectors in the waste industry is increasing every year. Smart cameras will not only create greater efficiencies, they will also reduce conflict in organizations.



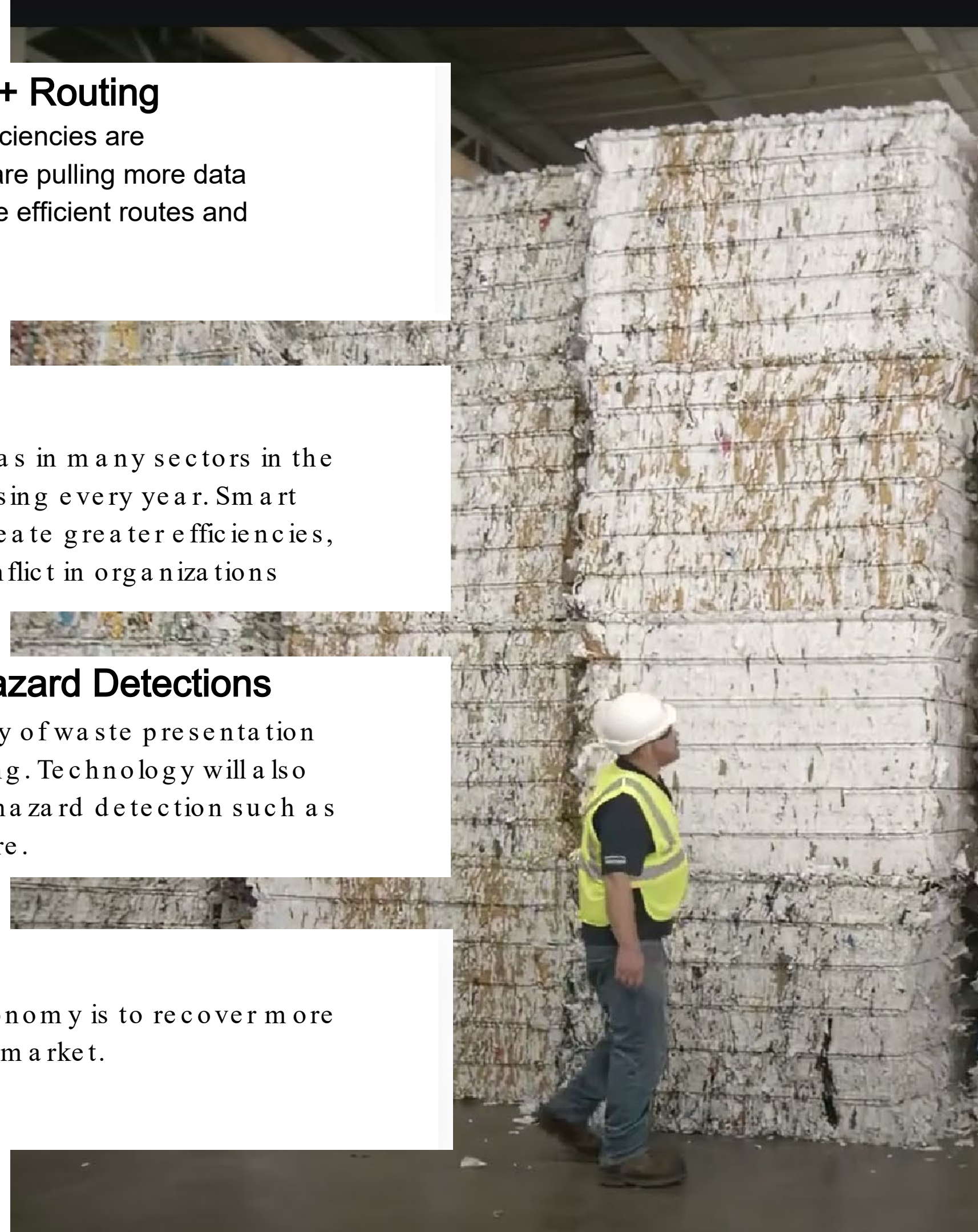
Contamination + Hazard Detections

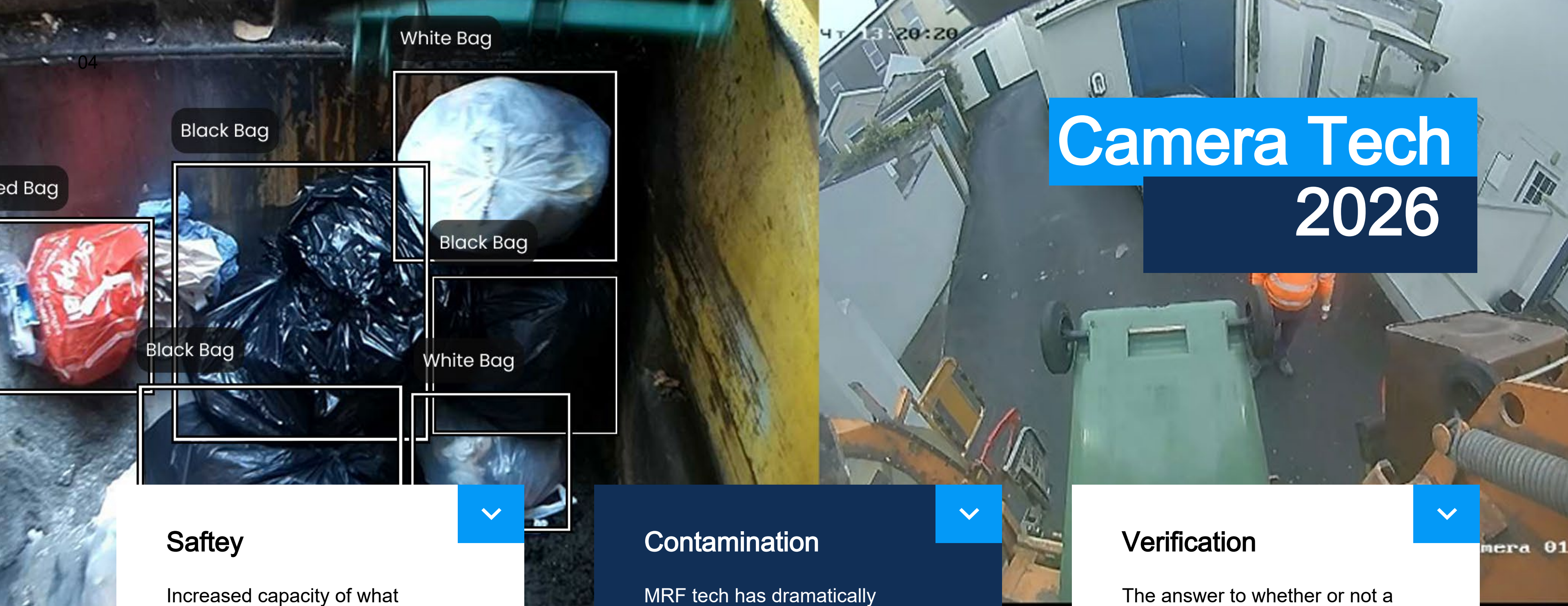
How we qualify accuracy of waste presentation by customers is changing. Technology will also give greater visibility of hazard detection such as batteries and much more.



Material Recovery

The key to a circular economy is to recover more and sell more back into market.





Camera Tech 2026

Safety

Increased capacity of what cameras can do for driver behaviours and on road safety. All incidents can be captured and made available for

Contamination

MRF tech has dramatically improved over the past number of years. This is evidenced by the use of AI in delivering better separation. Now we are able to analyze what customers are presenting

Verification

The answer to whether or not a cart was presented correctly and on time has a robust solution through smart cameras.

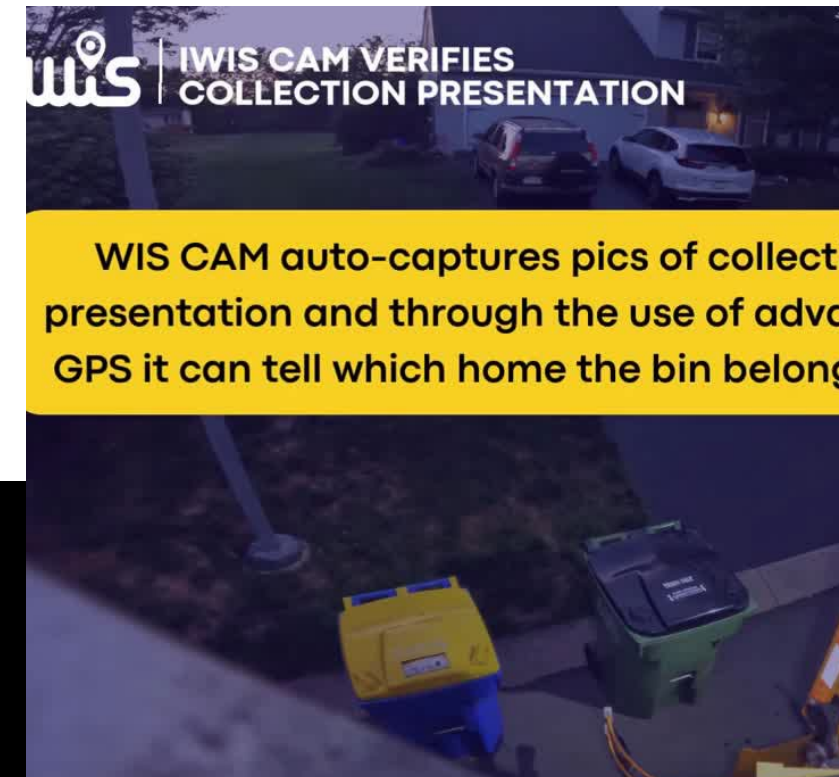
Camera Tech- In motion



Contamination at
Truck Level



No Cart Presented -
Automated Detection



AI Driven Collection
Verification



Camera Tech- Future Solutions



Road / Street
Audits



Street Signage
Audits



More Data on truck performance

By combining truck data (telematics) with navigation data (distance, weight loads etc.) a lot more solutions can be run through automated systems. WIS are currently working on this technology.





More Data on truck performance

Improved data accuracy on

- Homes per hour
- Lifts per hour
- Tons per load
- Pounds per lift
- Lifts per load
- Lifts per mile (route density)
- Wheel stop to wheel stop (time)

Beyond 2026

- Predictive servicing (automated)
- Predictive parts ordering (automated)



Actions

✕

✕

✕

✕

✕

1 - 6 of 6

Map

Satellite

Google

Keyboard shortcuts

Active Zone : ?

Name	County	Price addon
Tampa N		☐
Tampa S		☐

Routing

Routing and Route Optimization gets better and simpler

- More data from mapping solutions (traffic patterns / road restrictions etc.)
- More data from truck performance (everyday truck performance captured and factored)

Delivers

- More efficient routes
- Route optimization goes automated
- Polygon base route building - drag and drop
- More data on individual driver/route performance and return
- Massive decrease in missed collections

Material Recovery 2026

AI

More and more, use of AI will improve its capacity for detection of all materials. This will improve the material flow through the MRF and reduce dependence on human labor.

Robotics

Speed and accuracy of robotics is all on the rise. This again will reduce the dependence on human labor.

Quality

Accuracy of what can be recycled should start hitting near perfect levels. MRFs will recover more and sell more back into the economy.



MEET OUR FLEET



SCALES / WEIGH MANAGER



SMARTCAM



BILLING & CRM



**NAVIGATION & ROUTE
GUIDANCE**



**ROUTE BUILDER &
OPTIMIZER**



CITYGENIE



AUTO-SIGN UP



That's all from us,
thank you.

www.wiswm.com

fearghal@wiswm.com