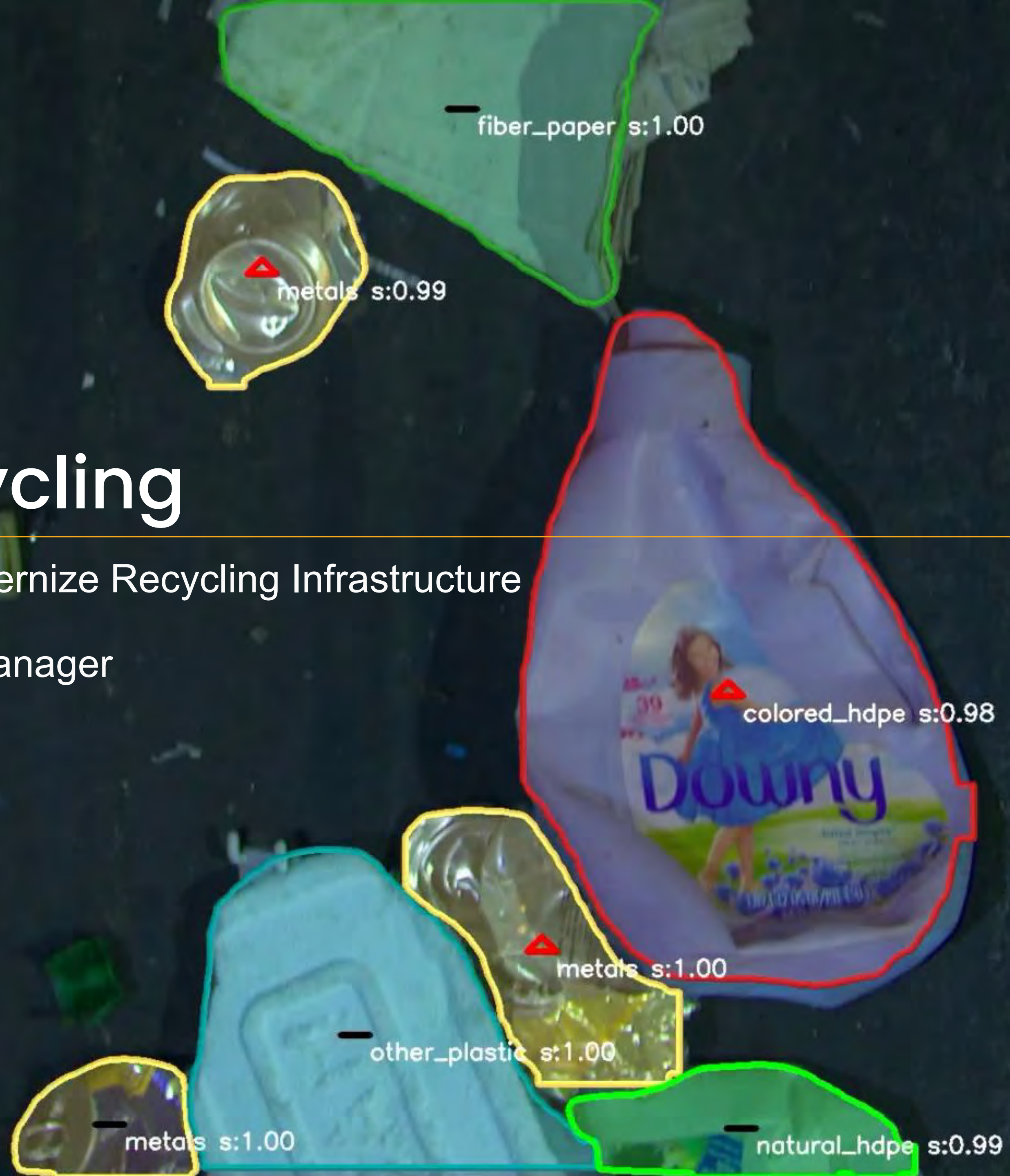




Reimagining Recycling

Applying Artificial Intelligence to Modernize Recycling Infrastructure

Tim Barry, Business Development Manager





Material Recovery Industry Challenges



High sortation costs and capacity limitations



Persistent material contamination and low feedstock quality



Chronic labor shortages, injury risk, and high turnover



AMP At-a-Glance

- Founded in 2014, headquartered in Colorado; 250 employees
- Full production with automation systems deployed across the United States, Canada, Europe, and Japan
- Technology installed in 25+ states across America
- Secondary sort facilities helping to drive diversion and supply valuable feedstock back into the circular economy

SEQUOIA 

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VALOR
EQUITY
PARTNERS

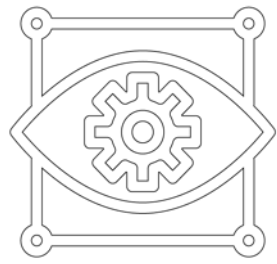
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SIP

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LOOP partners

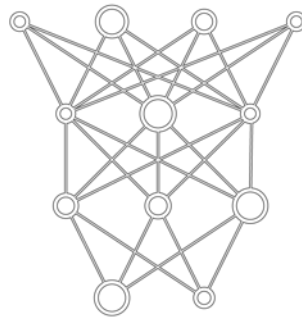
 **CONGRUENT**
VENTURES

Technology that redefines the economics of recycling



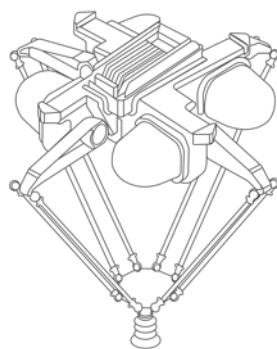
AMP Vision™

images captured validates material quality and generates data for real time reporting



AMP Neuron™

Artificial Neural Network (ANN) characterizes material streams to produce actions and drive data



AMP Cortex™

AI-powered robots reduce the cost and improve the quality of sortation and recovered material



AMP Materials™

Highly-automated, high diversion sortation facilities built using our proprietary AI technology



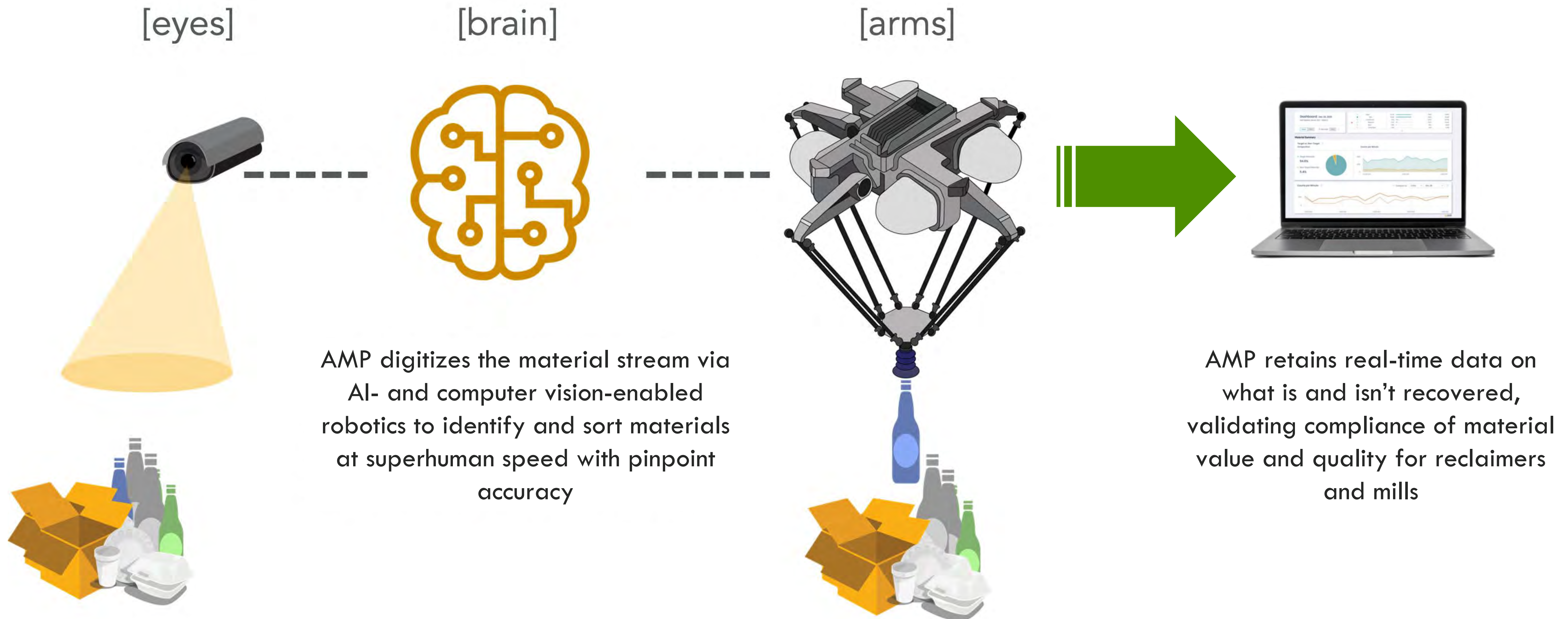


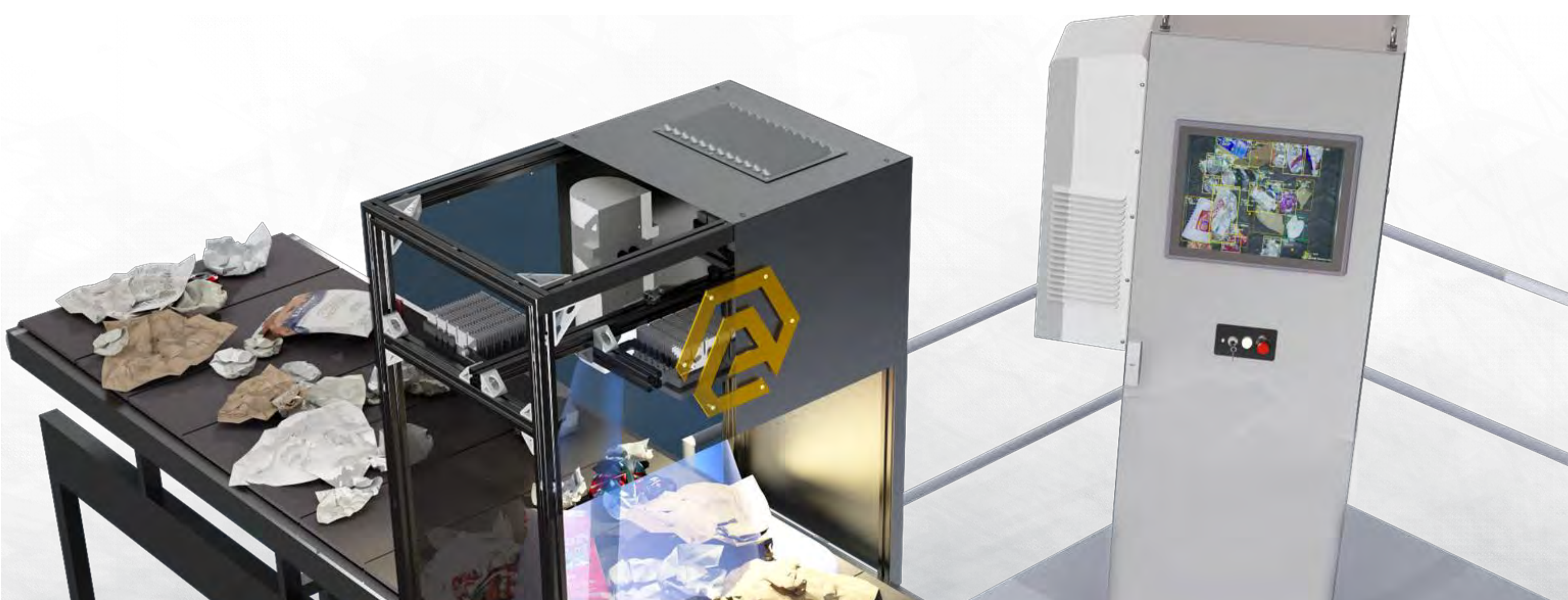
Our Mission

Enable a world without waste by economically maximizing the volume and quality of recycled feedstock through data, automation and expanded infrastructure

Components to AI Driven Solutions

Different Components of a System...



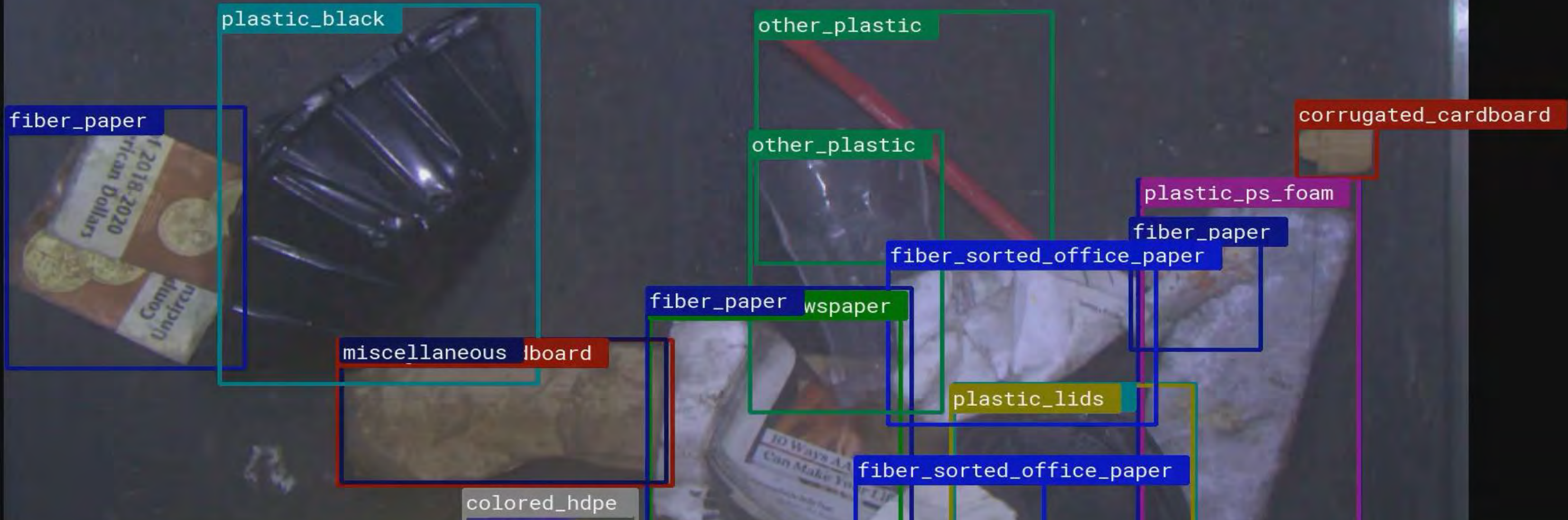


AMP Vision™ Standalone-System

- Real-time capture of material recovery data
- Identifies material composition at different process stages
- Can be used for front end bail audits

AMP Neuron™ AI technology

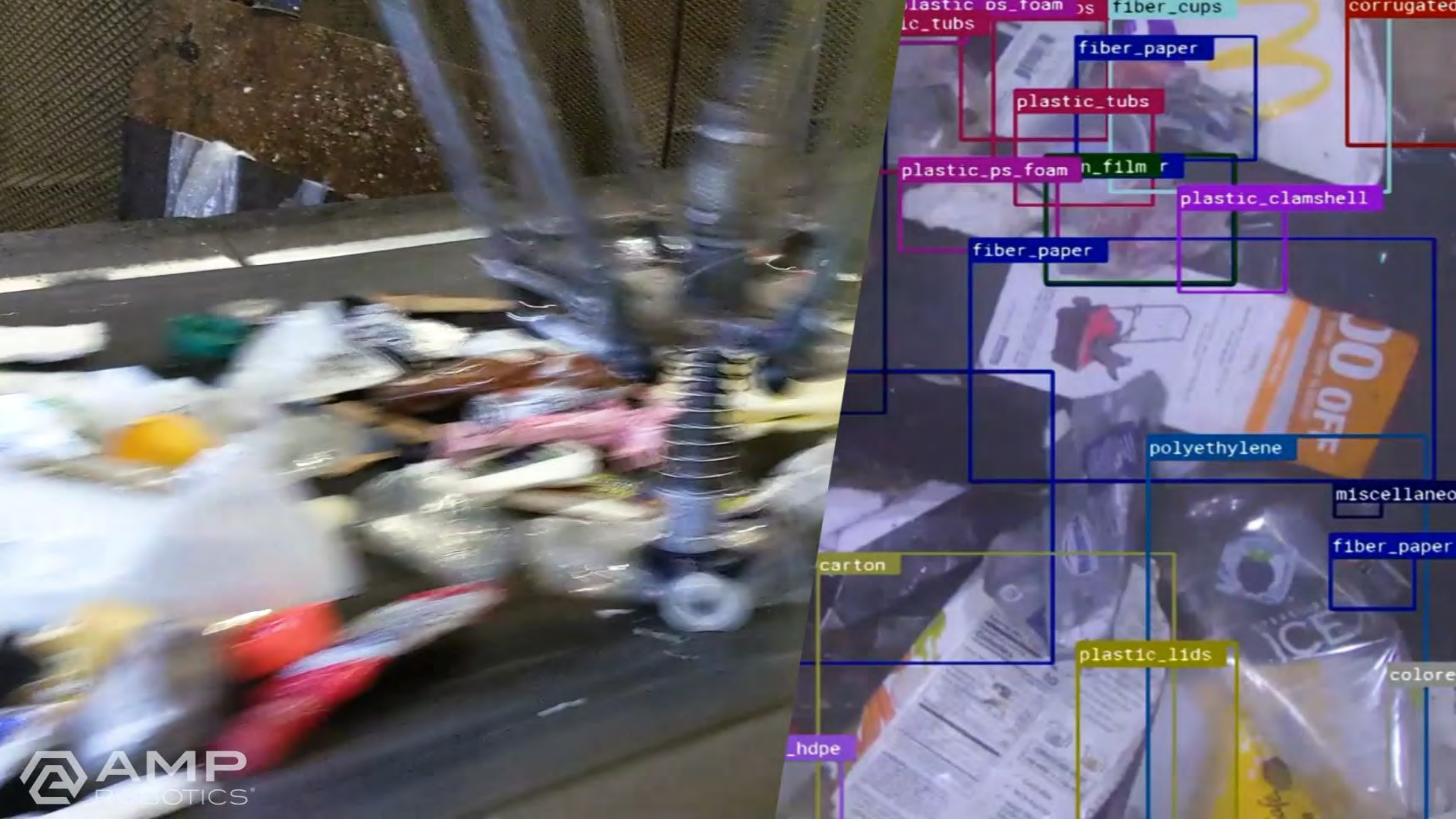
- Real-time processing of data input to create action output
- This is what drives the hardware
- Strength and depth of the AI is what separates one from another

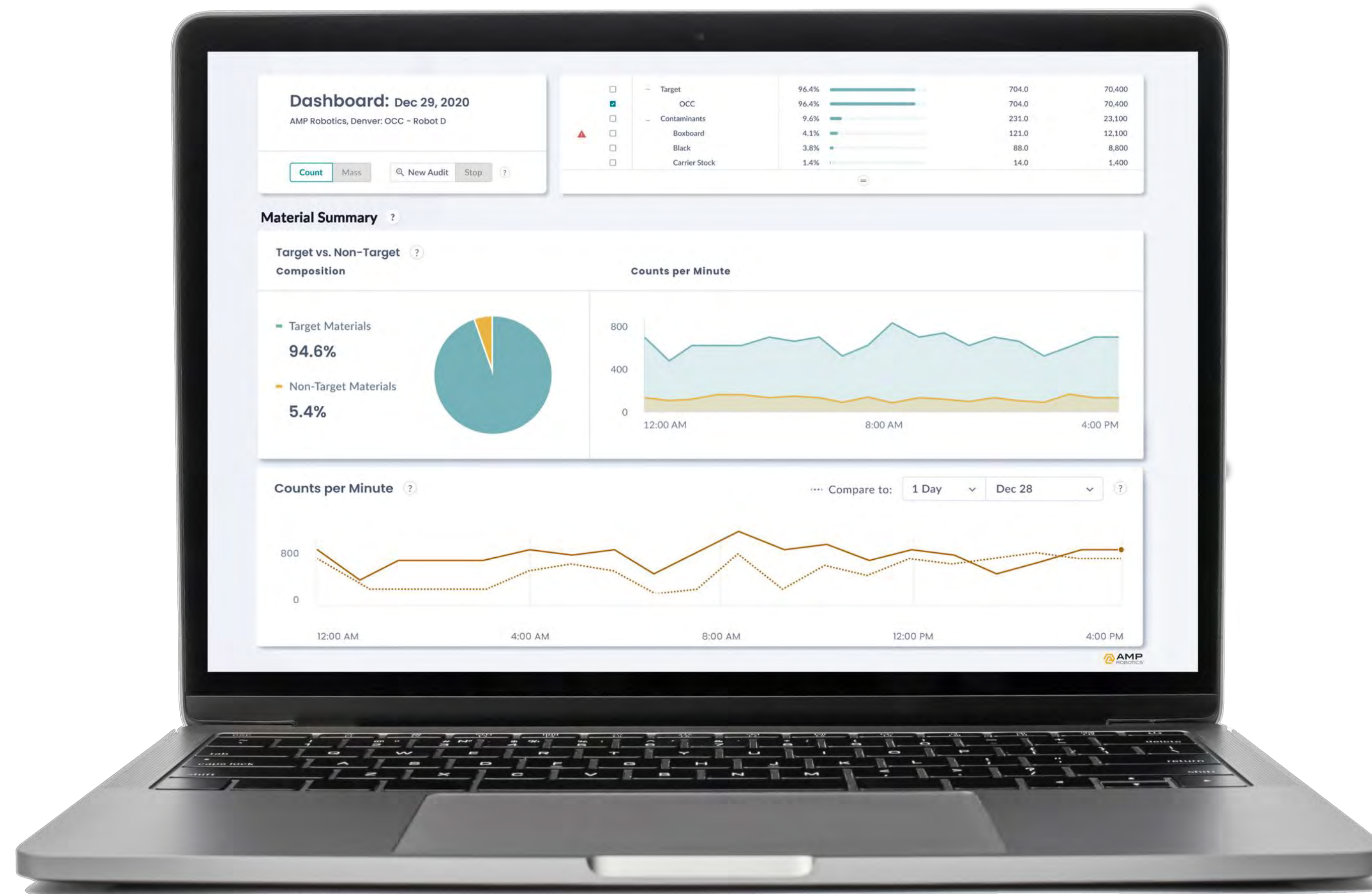




AMP Cortex™ Robotic Sorting System

- 80-120 picks / min vs manual sortation of 40 picks / min
- 99% accurate in precision object recognition



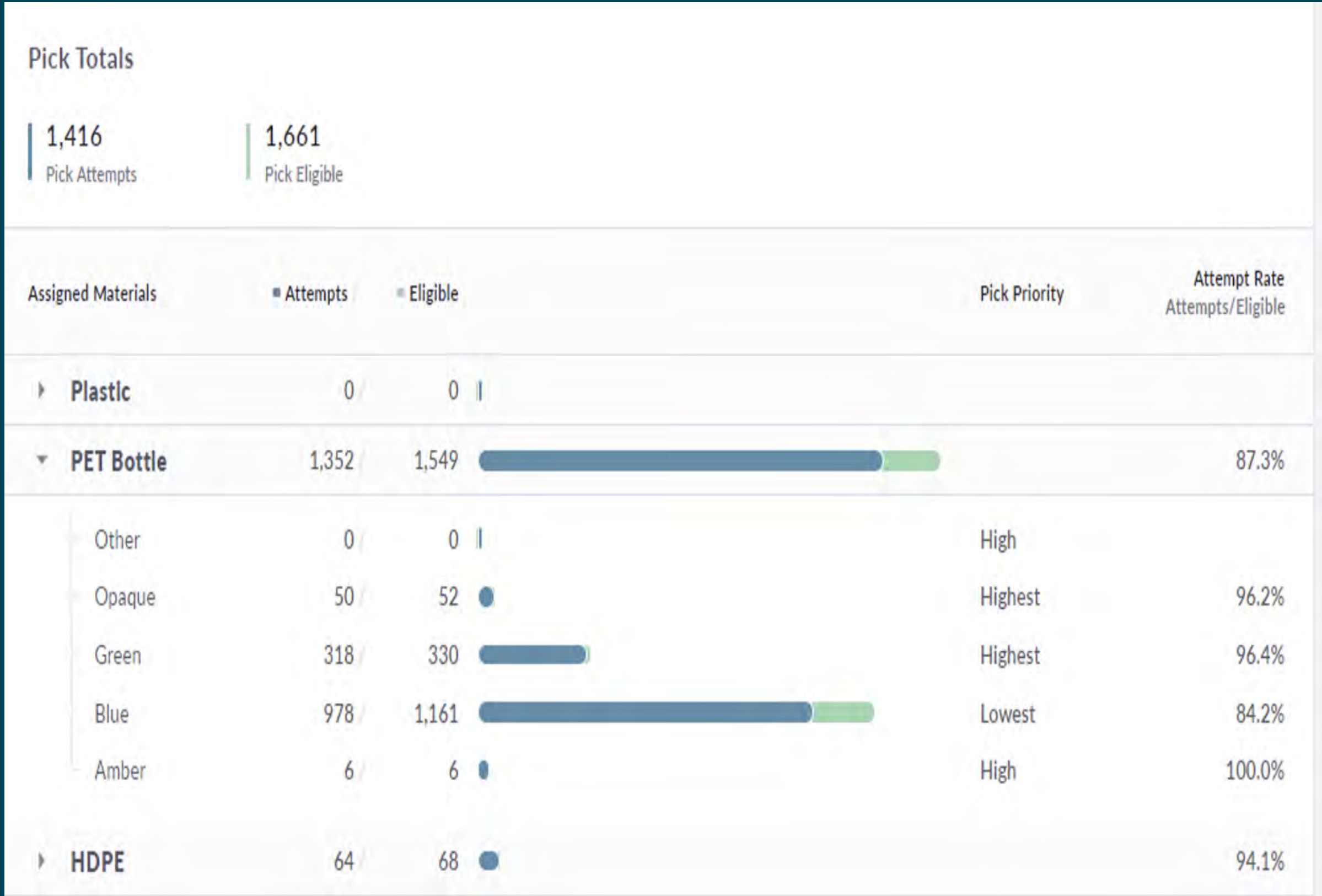
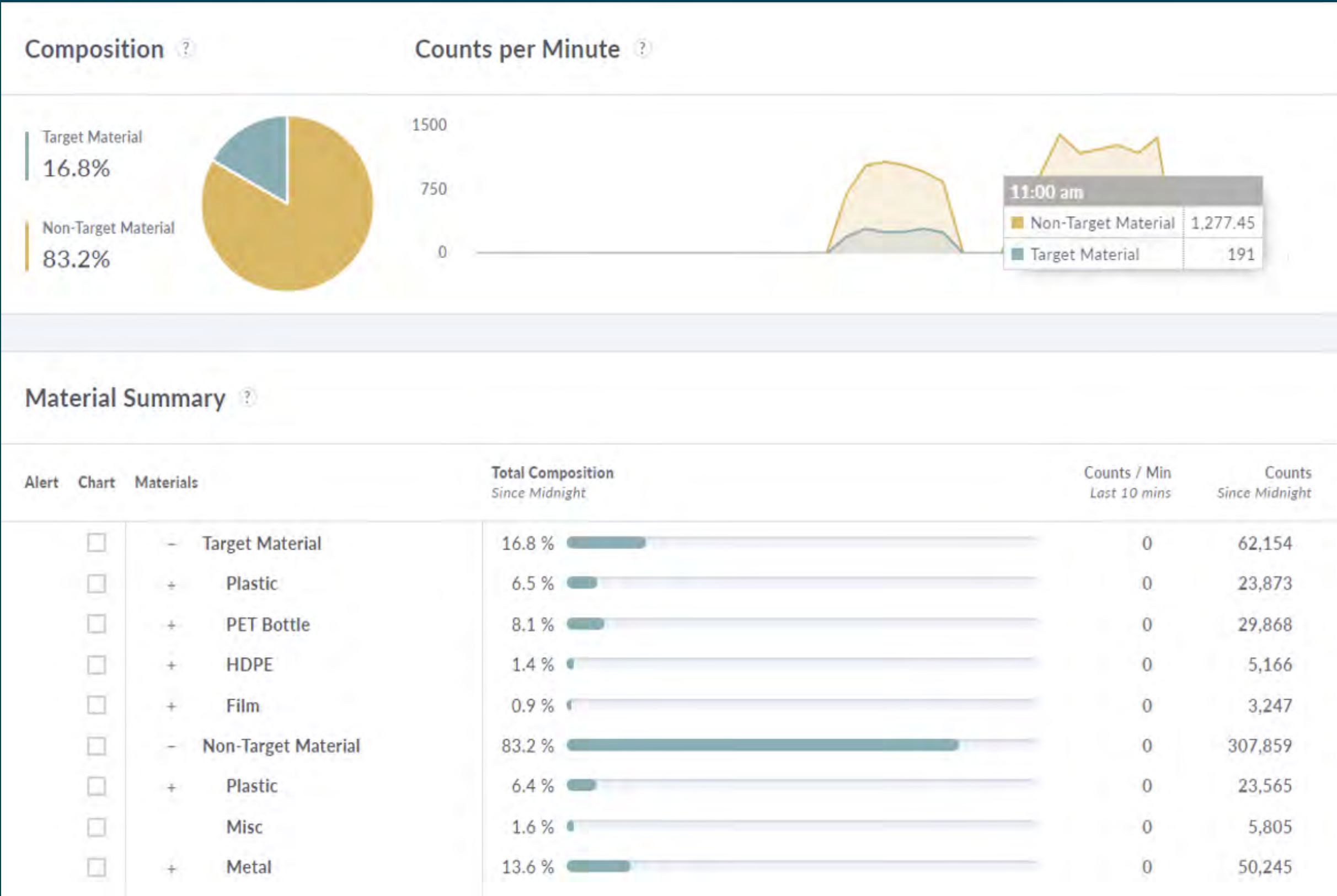


AMP Clarity™

Material Data Intelligence

- Material characterization, inbound and outbound
- Data standardization, trend analysis and time studies
- Validation of material quality and pre-bale specs
- Basis for real-time waste audits and recovery metrics

Data that is Captured and Presented....



What's coming...



Technology at Scale

AI enables economic improvements to happen via retrofits within days in existing MRF infrastructure and the industry is adopting this technology at a rapid pace.

Thank you

Tim Barry
(847) 309-4793
Tim.Barry@amrobotics.com