

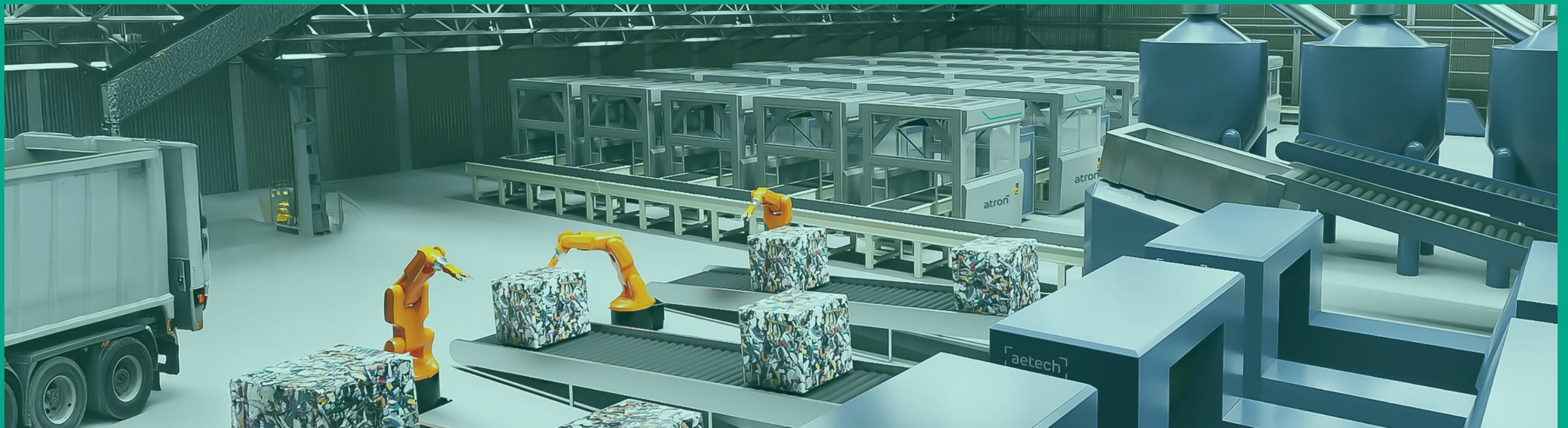


For Smart Cities with Full-Auto Recycling

AETECH Co., Ltd.

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E-mail : coys@aetech.co.kr



ATRON : AI-powered waste sorting robot

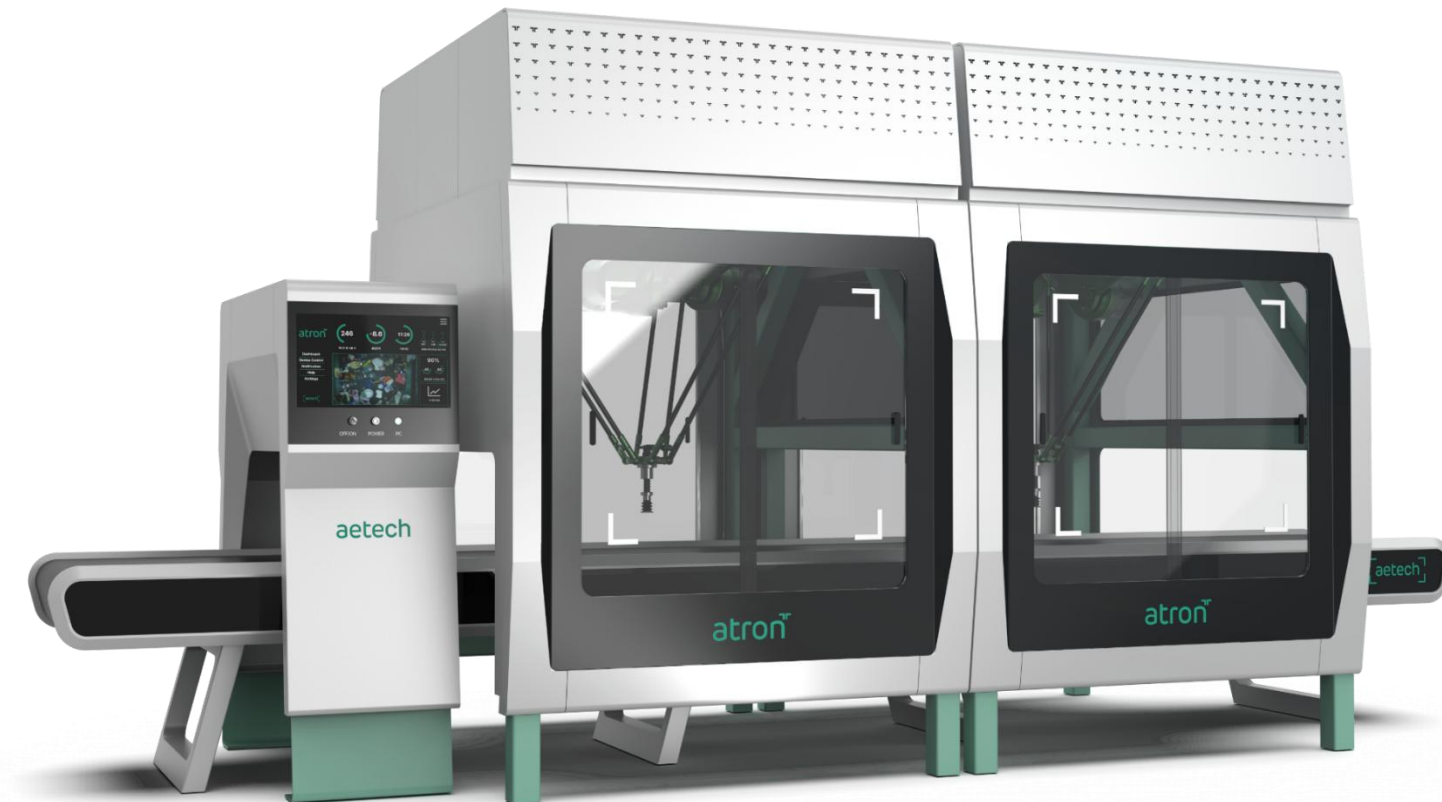


Manual waste sorting by human labor



Automated waste sorting by AI-powered robots

Save up to \$110,000 per year
(Labor and waste processing costs)



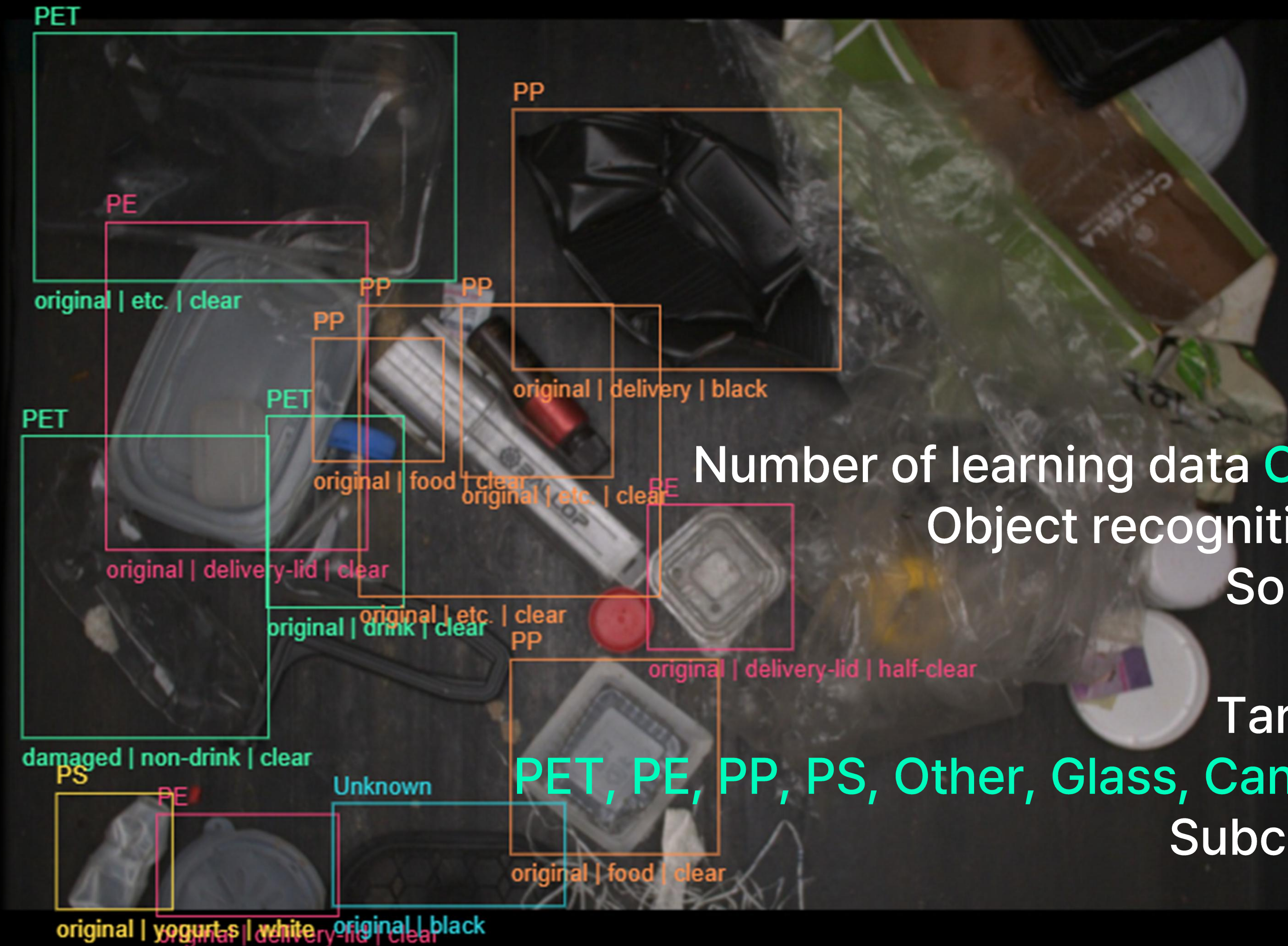
Solves labor
shortage



Reduces
operating cost



No
accidents



Number of learning data **Over 5 million copies**

Object recognition accuracy **99.3%**

Sorting Speed **96 ppm**

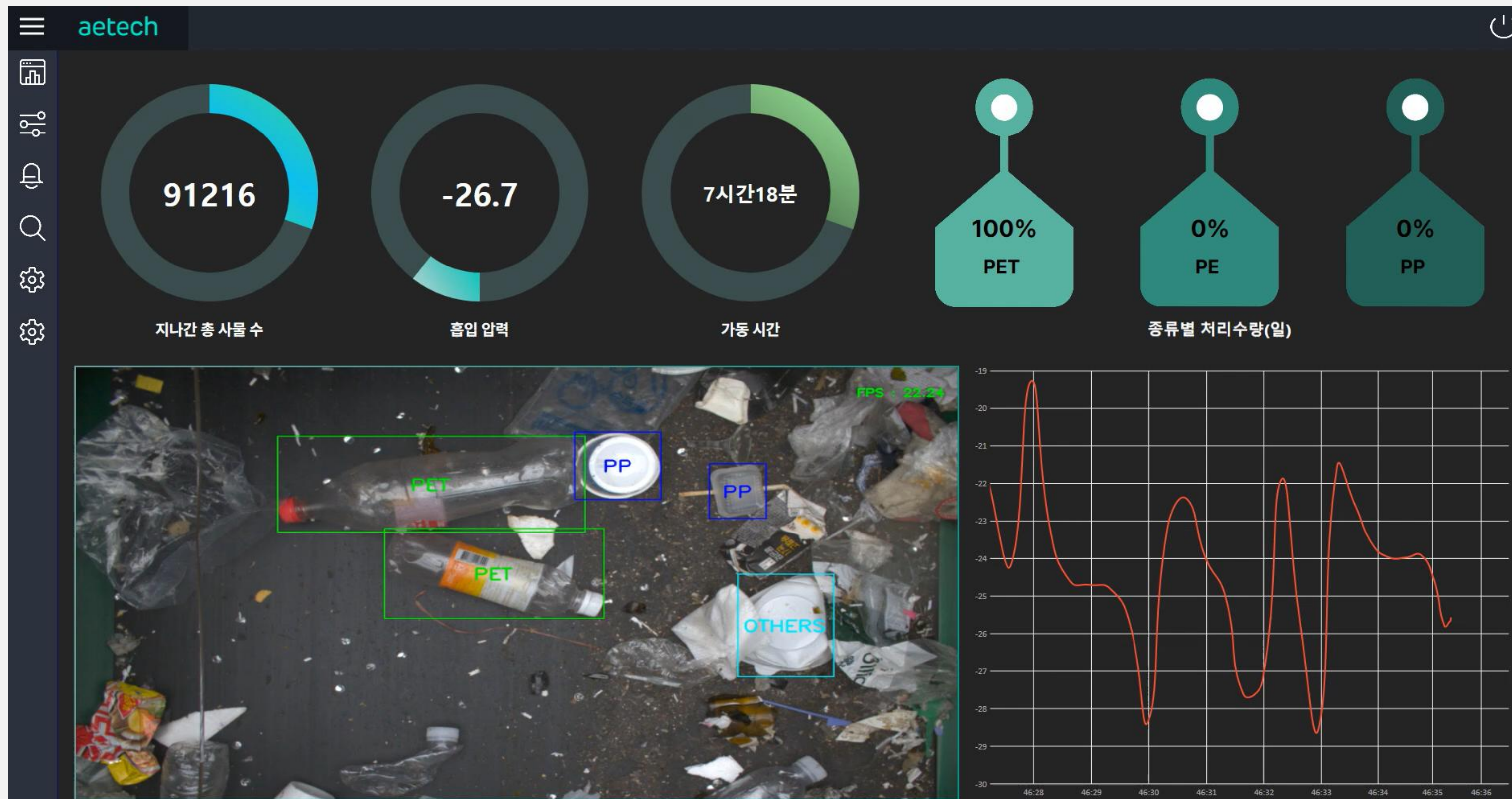
Target waste (9 types)

PET, PE, PP, PS, Other, Glass, Can, Paper, Plastic Film

Subclassification Criteria

50 Classifications

AI for Waste Classification Video

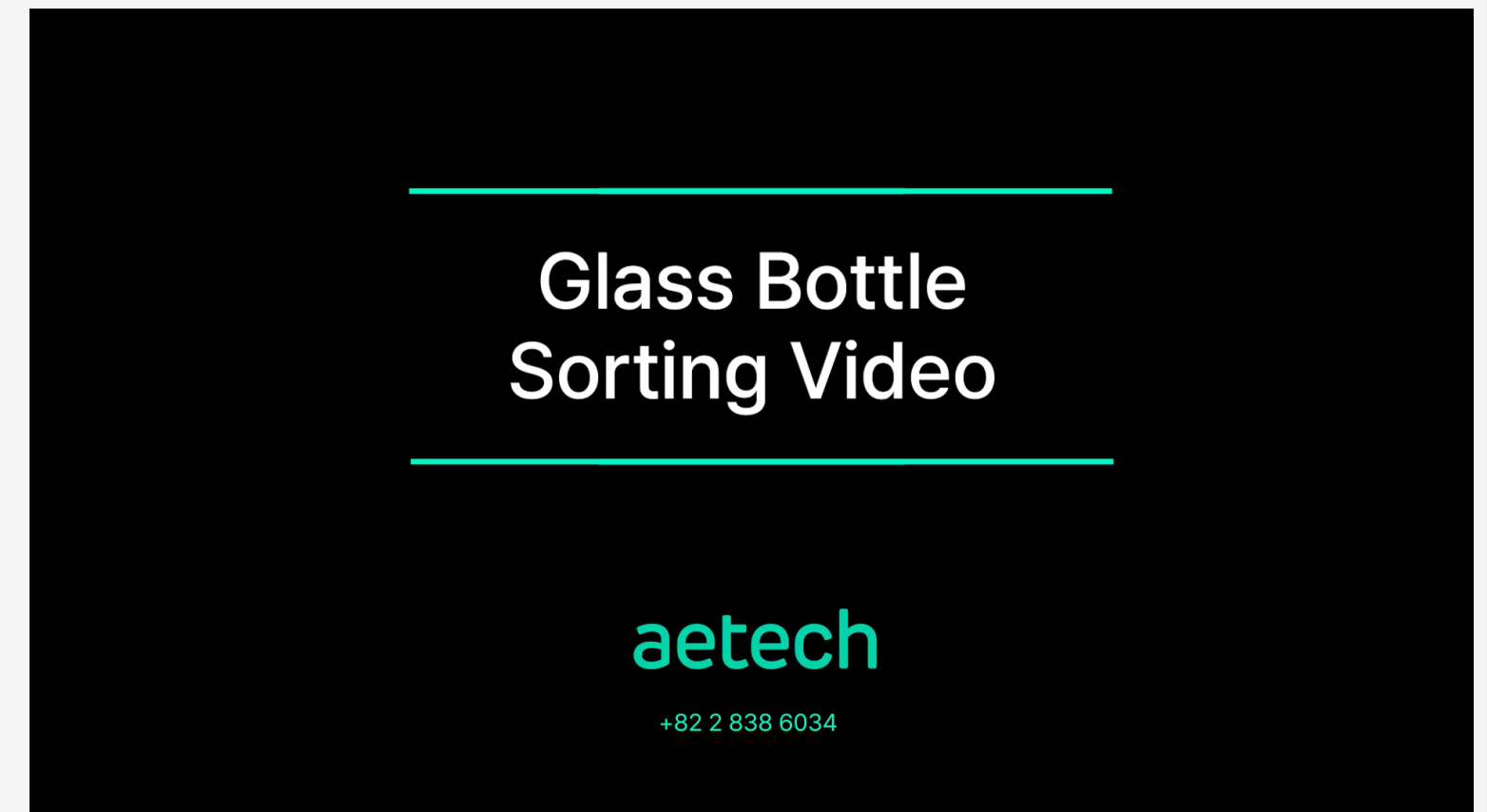


Waste sorting robot video

Suction Gripper



Finger Gripper

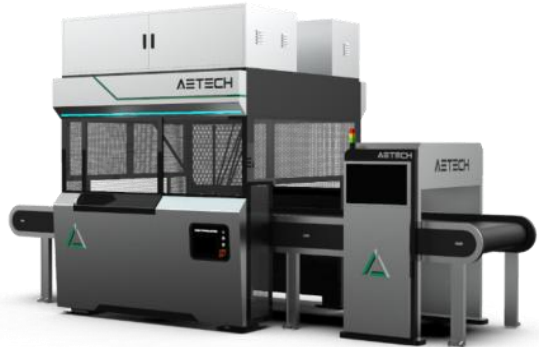
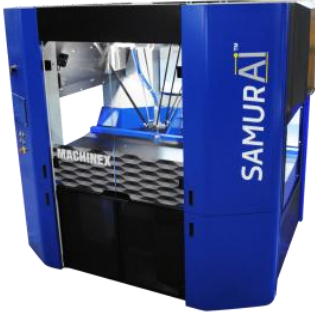


Glass Bottle
Sorting Video

aetech

+82 2 838 6034

Value proposition & Competitors

Production	AETECH Korea	MACHINEX Canada	RECYCLEYE United Kingdom	AMP ROBOTICS USA	ZEN ROBOTICS Finland
Image					
Dual-arm Option	O	X	X	X	O
Sensor	RGB + Infrared	RGB	RGB	RGB	RGB
Gripper	Suction & Finger Gripper	Suction Gripper	Suction Gripper	Suction Gripper	Finger Gripper
Price(one arm)	\$ 250,000	\$ 400,000	\$ 250,000	\$ 300,000	\$ 500,000
Power Consumption	10kW	13kW	10kW	12kW	18kW
Sortable Items	50	50	30	50	12
Sorting Speed(min)	96±	80±	80±	80±	80±
Accuracy(%)	99±	95±	95±	99±	99±

airo-mrf» No Manual Labor Required

AI Robot based Material Recovery Facility

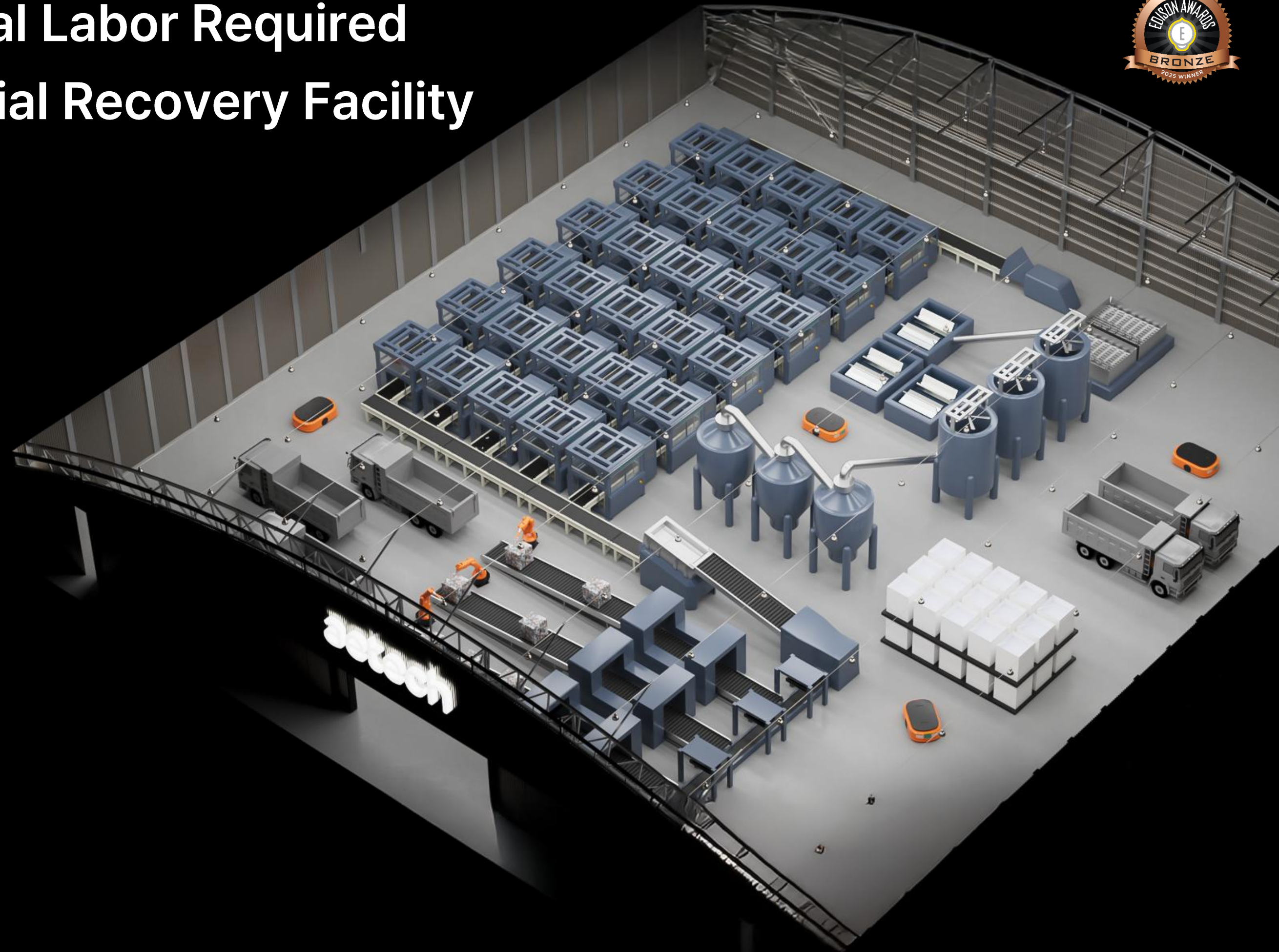
Save \$ 2.1M per year



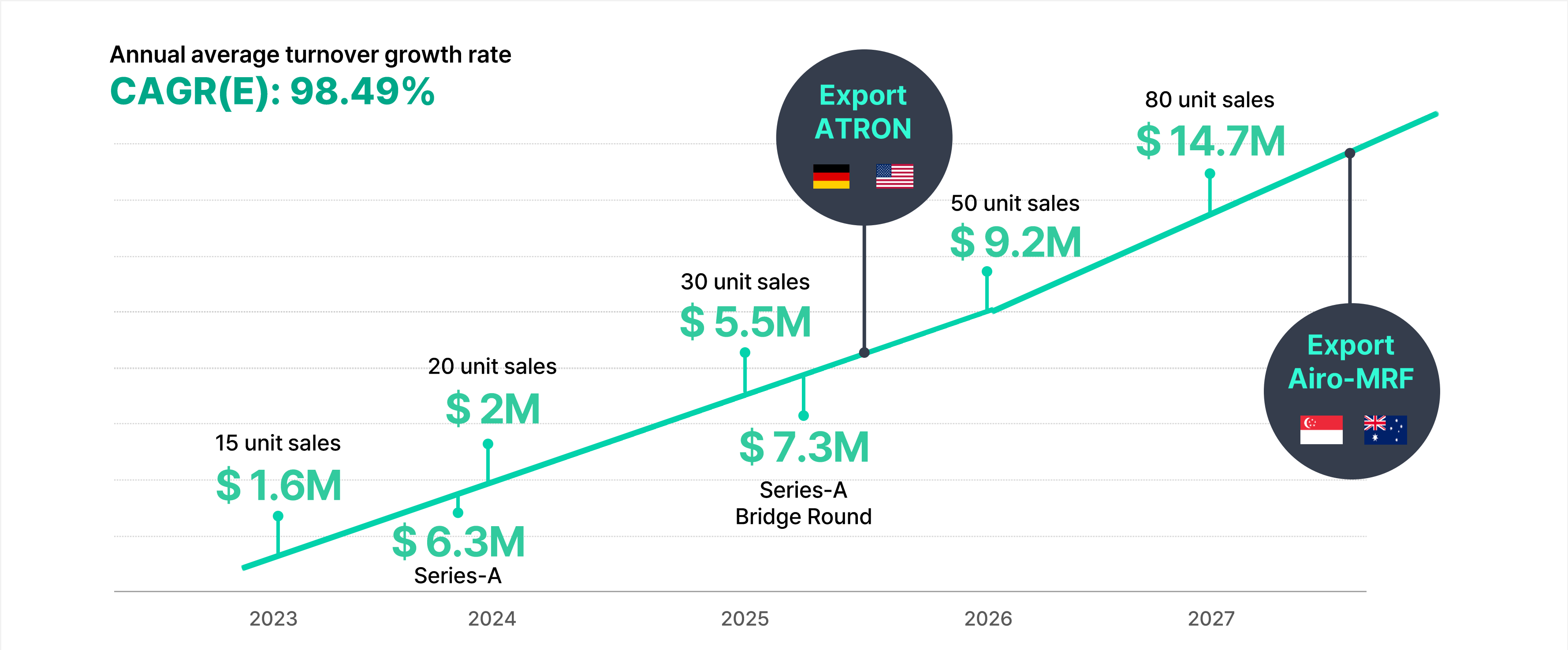
Under Construction
& Launching in 2026



2nd Business Model



Milestone & Forecast



AETECH : **Mavericks** of Recycling Innovation

50 Members with 6 Teams



CEO

Taehyung Park

Over 10 Years of
Experience in
Environmental Research
B.Sc. in Environmental
Science & Geology,
Saint Mary's University

“

AETECH is an AI robotics
startup founded
with a clear mission :
to solve the challenges
of recycling.

”



Edison Awards Bronze



CFO

Ju Ime Park

2 Times IPO
Experiences



CTO

Dokyung Lee

Ph.D in Computer
Science Vision AI
Expert



WIPO Global Awards Top 8 (First Korean)



CSO

Jaeho Ryu

Ph.D in
Energy Policy



Department head

Soojin Sung

Mechanical Expert

