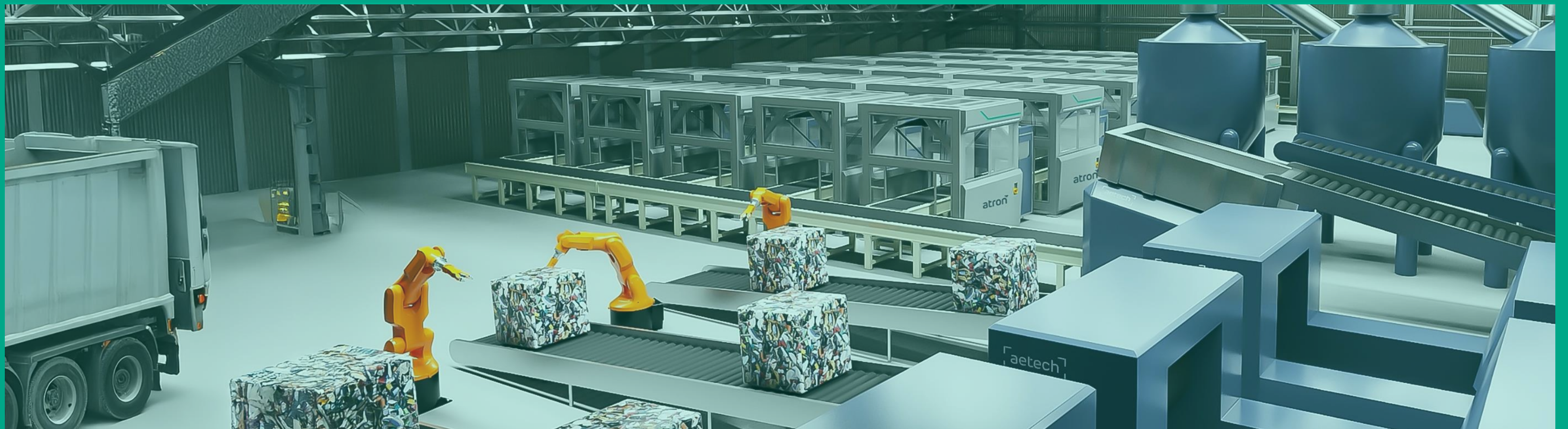


For Smart Cities with Full-Auto Recycling

AETECH Co., Ltd.

Homepage : www.aetech.co.kr/en

E-mail : coys@aetech.co.kr



ATRON : AI-powered waste sorting robot

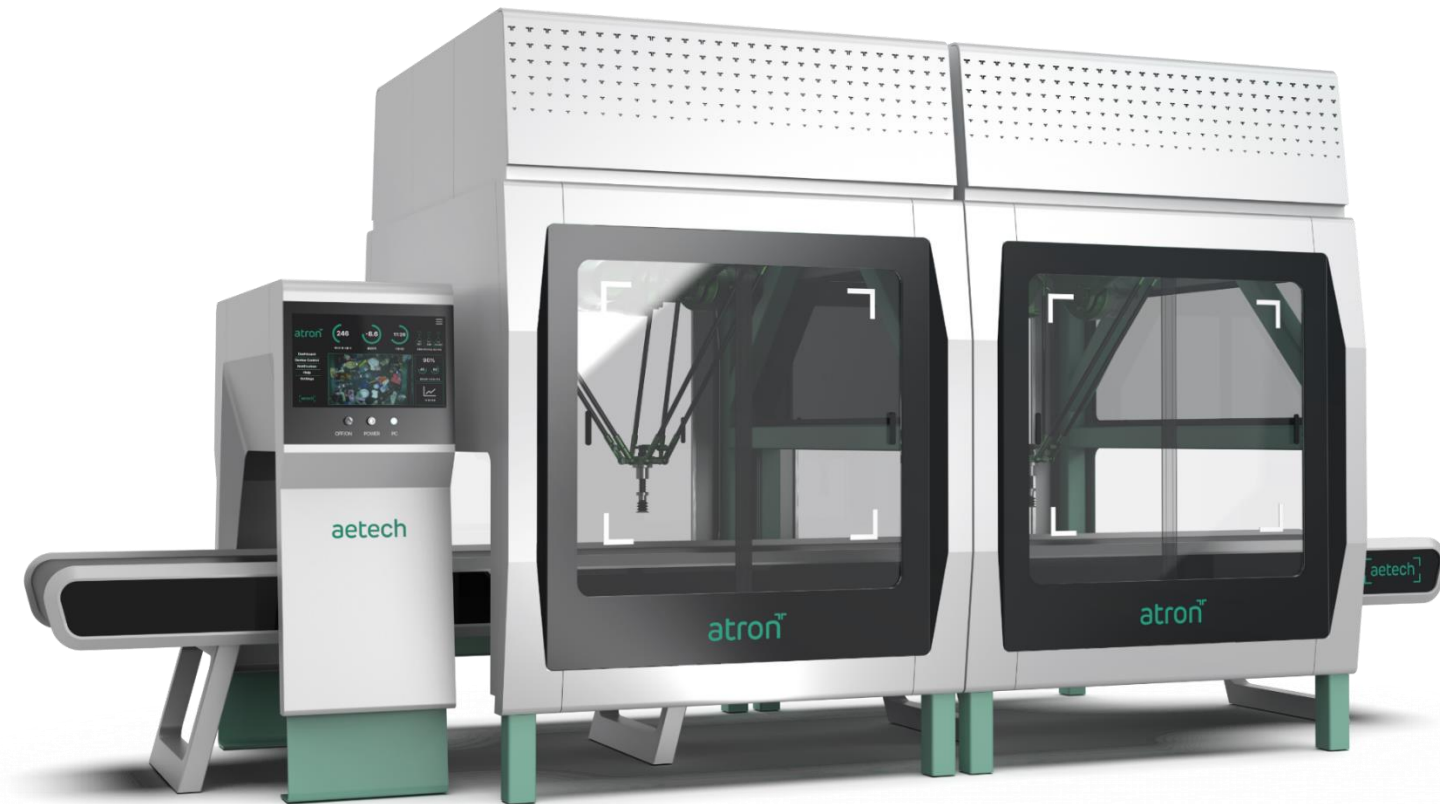


Manual waste sorting by human labor



Automated waste sorting by AI-powered robots

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



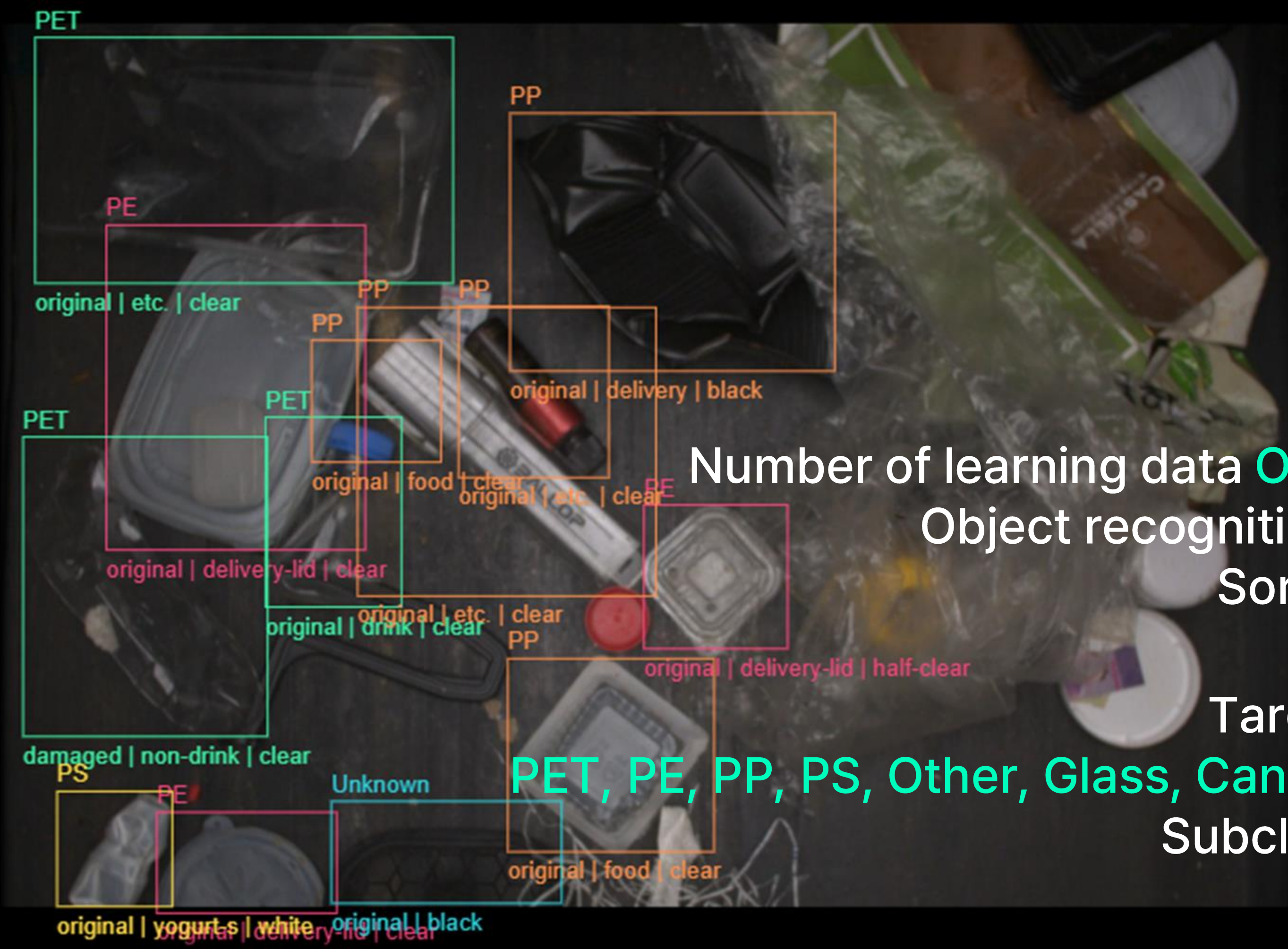
Solves labor shortage



Reduces operating cost



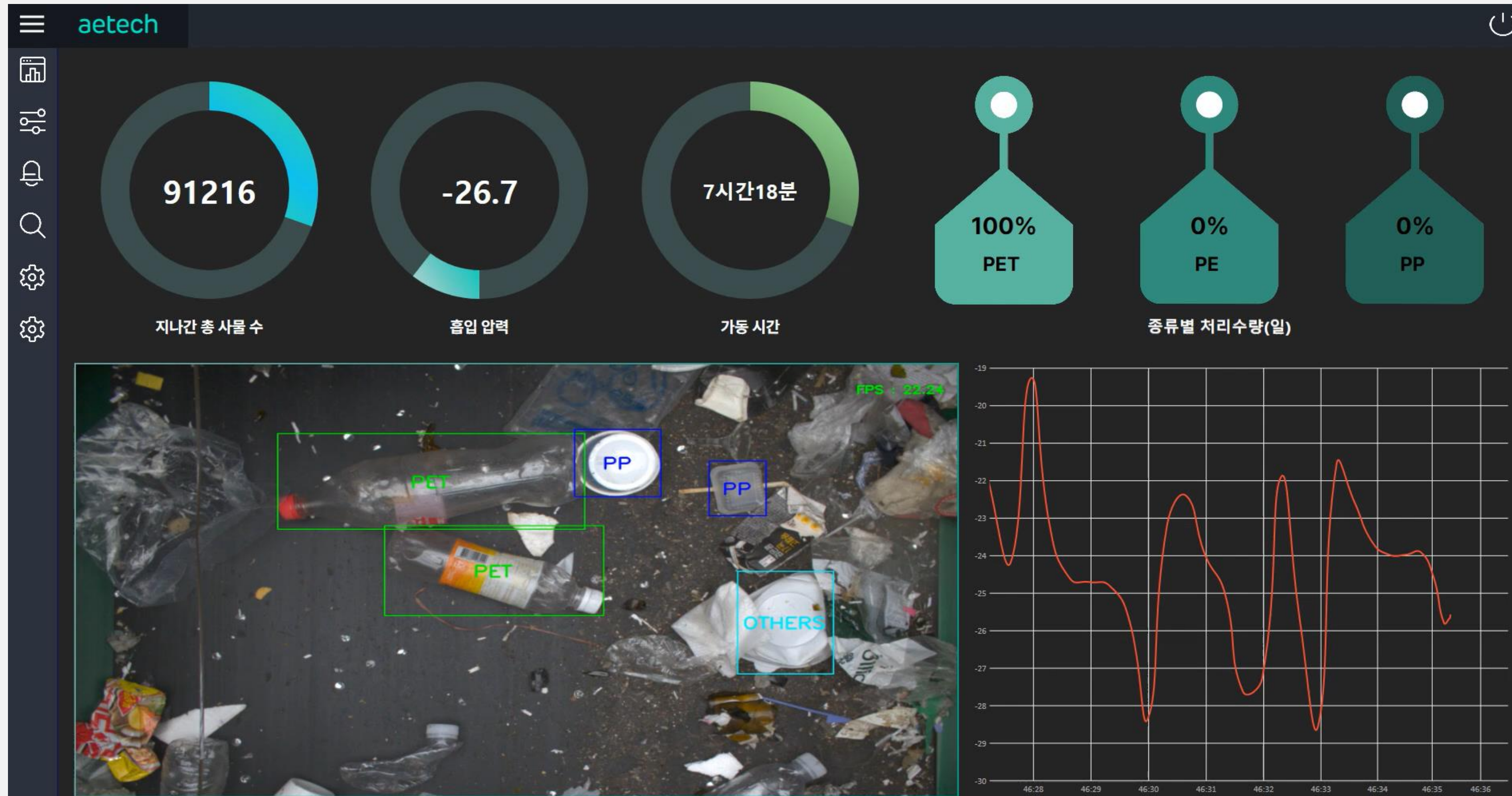
No accidents



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

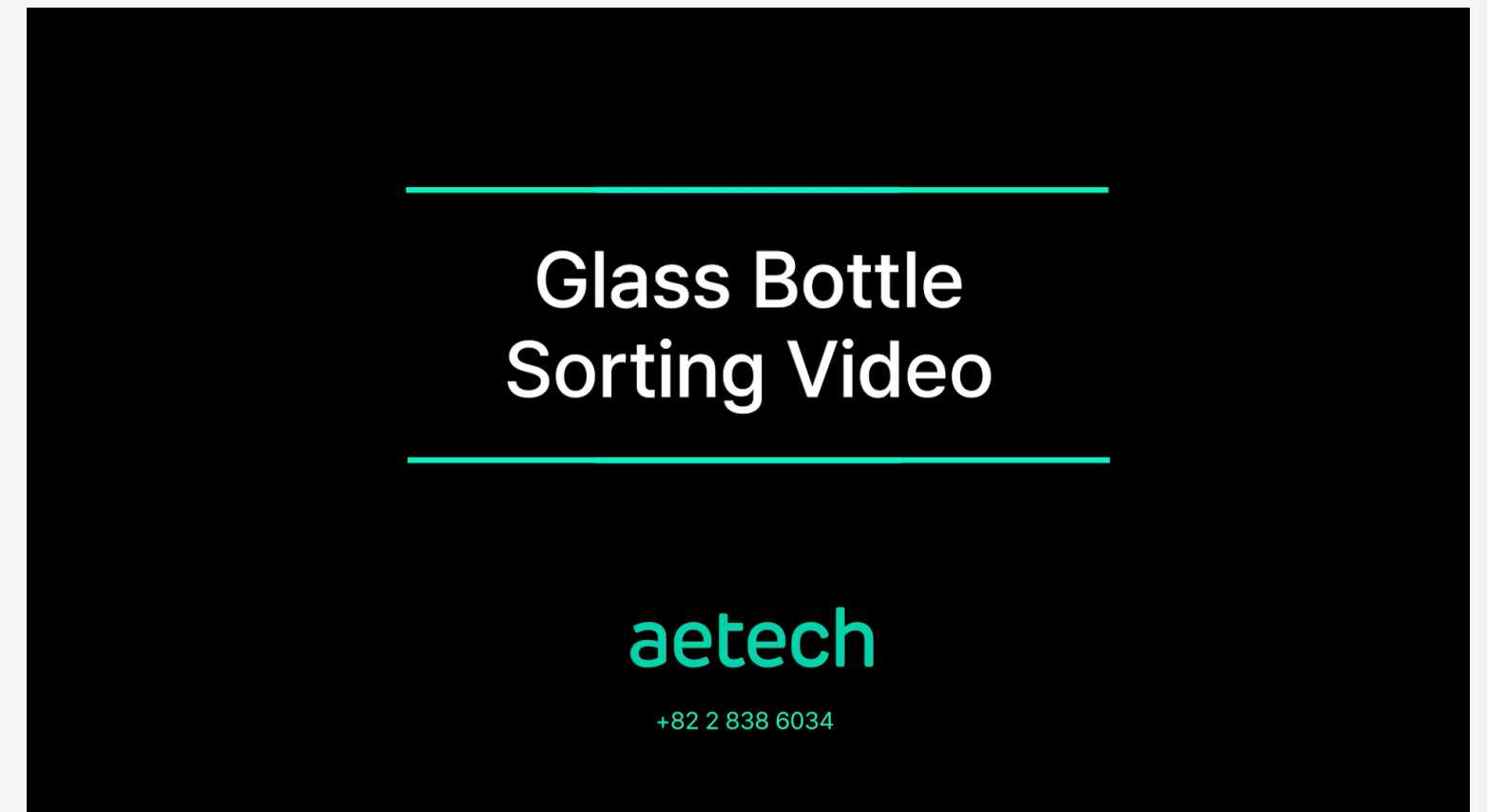


Waste sorting robot video

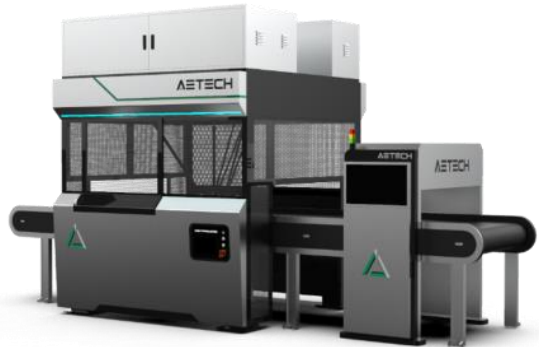



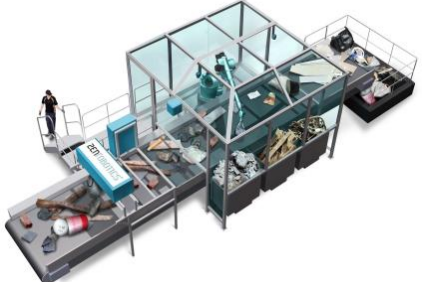
Suction Gripper



Finger Gripper



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

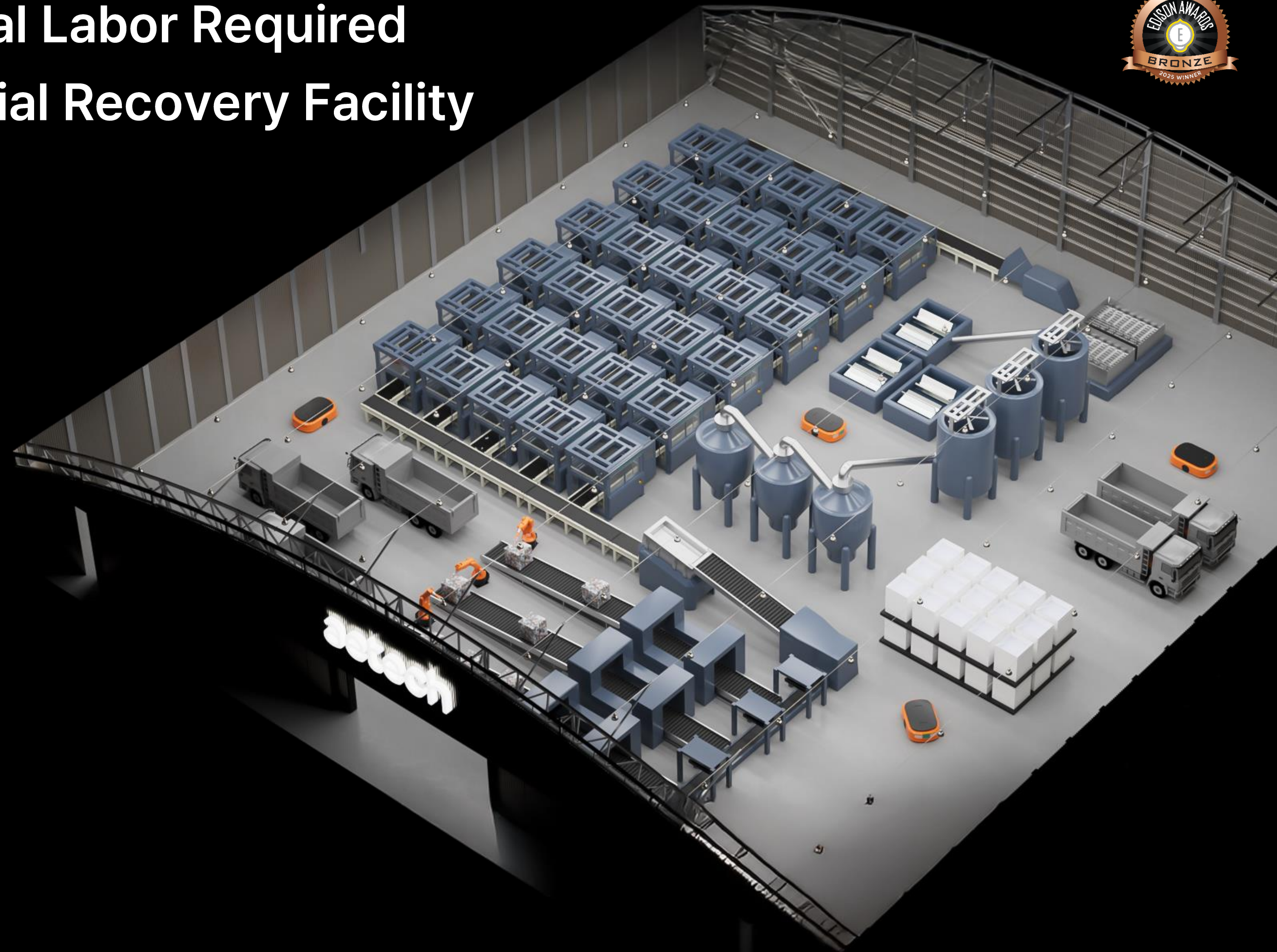
Save \$ 2.1M per year



Under Construction
& Launching in 2026

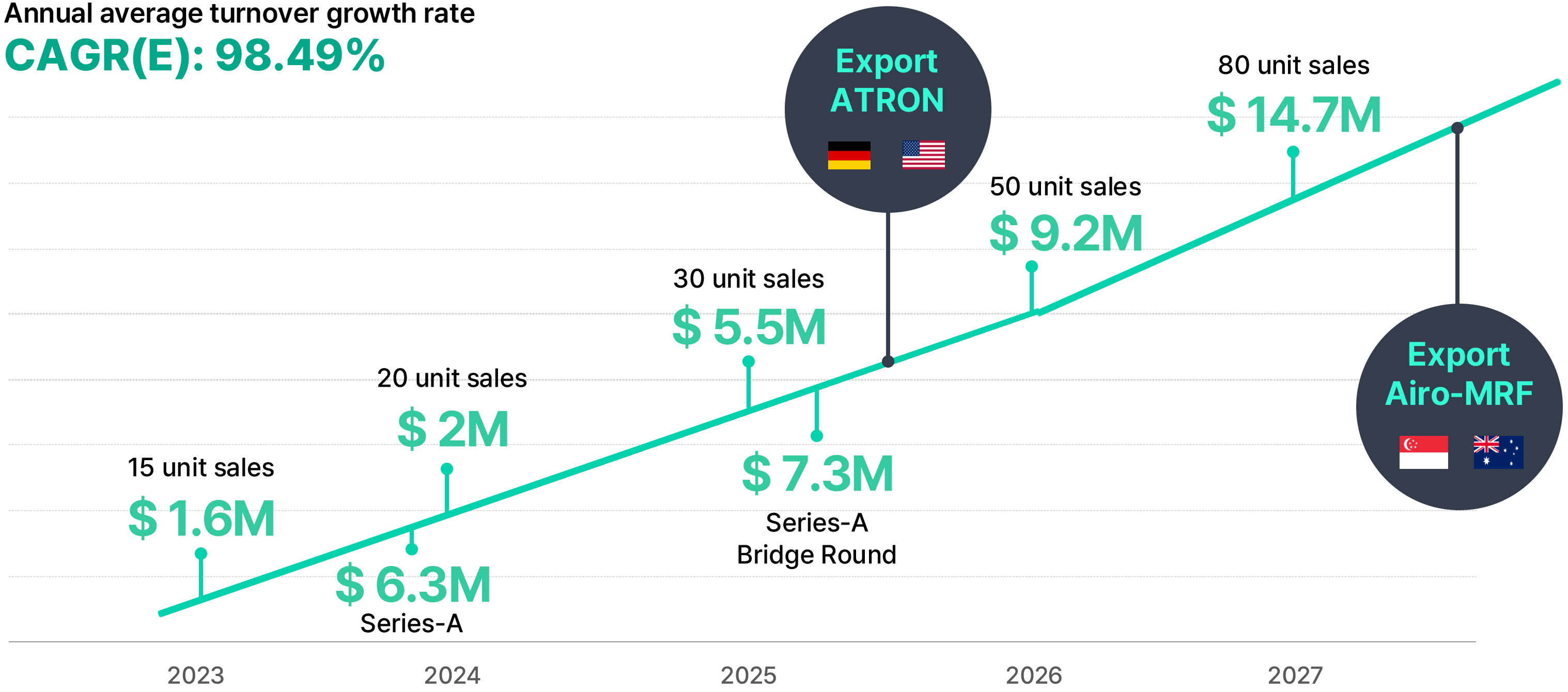


2nd Business Model



Milestone & Forecast

Annual average turnover growth rate
CAGR(E): 98.49%



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



CSO

Jaeho Ryu

Ph.D in Energy Policy



Department head

Soojin Sung

Mechanical Expert



WIPO Global Awards Top 8 (First Korean)