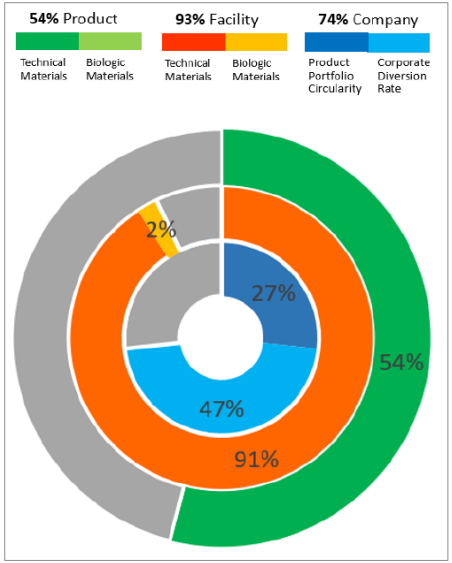
CSA 2024
2.7.5 End of Life Cycle Responsibility

Percentage of products sold last year that can be reused or recycled

Percentage of products sold last year that can be reused or recycled

ITEM	2023	2022	2021	2020
Facility Circularity	91%	93%	93%	91%
Product Circularity	60%	54%	54%	50%
Company Circularity	75%	74%	74%	70%

Percentage of products sold last year that can be reused or recycled: 2023



Facility Circularity　Product Circularity　Company Circularity

(91% + 60%)/2 = 75%

Product circulation degree: 60% (calculated by weight ratio)
1. Recycle content: 22%
2. Recyclability: 99%

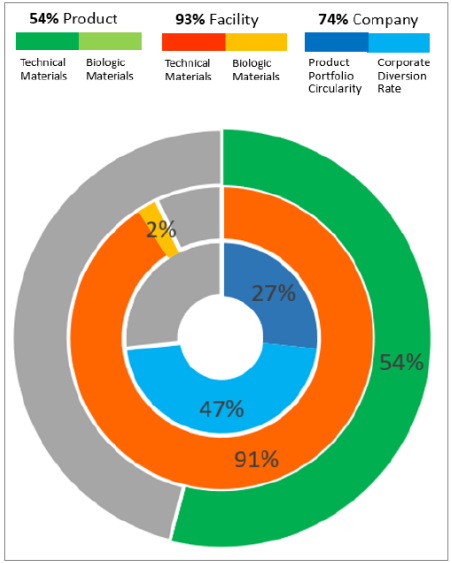
Facility Circularity

	Technical Materials Circularity	
Circularity Rate: 91%	Reduce	15%
	Reuse	25%
	Recycle	49%
	Byproduct Synergy	0%
	Biologic Materials Circularity	
	BioChemical Feedstock	0%
	Coomposting	0%
	Anaerobic Digestion	0%
	Biofuels	1.5%
	Linear Consumption	
	Waste T Energy	7%
	Incineration	0%
	Landfill	2%
	Special Materials	
	Mandated Waste	0%

Product Circularity

		Content	**Design**
Product circularity: 60%	Technical Materials Circularity		
	Product and Component reuse	0%	0%
	Recycling and Byproduct ynergy	22%	99%
	Close Cycle Recycling	0%	0%
	Biologic Materials Circularity		
	BioChemical Feedstock/biobased content	0%	0%
	Coomposting	-	0%
	Anaerobic Digestion	-	0%
		22%	99%

Percentage of products sold last year that can be reused or recycled: 2022



Facility Circularity Product Circularity Company Circularity

(93% + 54%)/2 = 74%

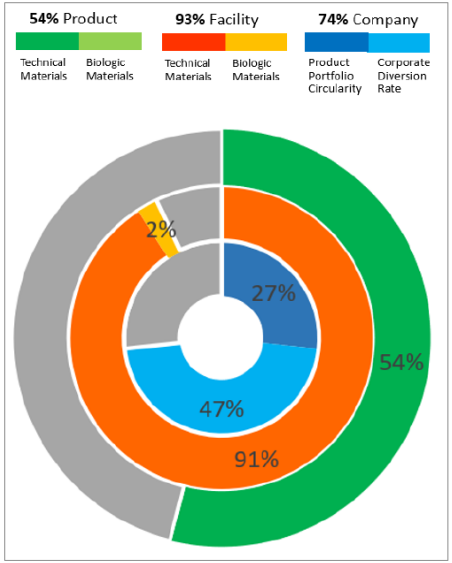
Facility Circularity

	Technical Materials Circularity	
Circularity Rate: 93%	Reduce	16%
	Reuse	29%
	Recycle	46%
	Byproduct Synergy	0%
	Biologic Materials Circularity	
	BioChemical Feedstock	0%
	Coomposting	0%
	Anaerobic Digestion	0%
	Biofuels	2%
	Linear Consumption	
	Waste T Energy	6%
	Incineration	0%
	Landfill	1%
	Special Materials	
	Mandated Waste	0%

Product Circularity

		Content	**Design**
Product circularity: 54%	Technical Materials Circularity		
	Product and Component reuse	0%	0%
	Recycling and Byproduct ynergy	8.8%	99.3%
	Close Cycle Recycling	0%	0%
	Biologic Materials Circularity		
	BioChemical Feedstock/biobased content	0%	0%
	Coomposting	-	0%
	Anaerobic Digestion	-	0%
		8.8%	99.3%

Percentage of products sold last year that can be reused or recycled: 2021



Facility Circularity Product Circularity Company Circularity

(93% + 54%)/2 = 74%

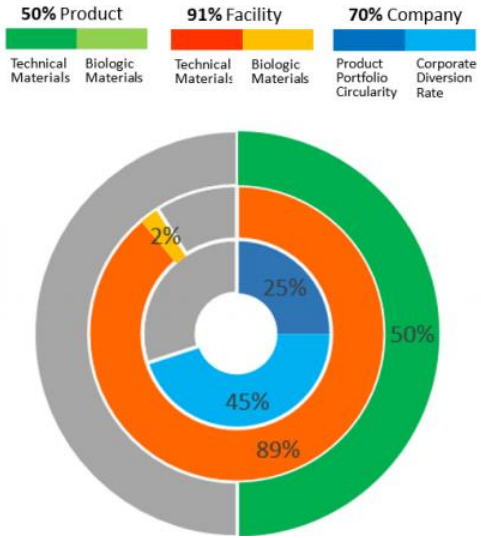
Facility Circularity

	Technical Materials Circularity	
Circularity Rate: 93%	Reduce	16%
	Reuse	29%
	Recycle	46%
	Byproduct Synergy	0%
	Biologic Materials Circularity	
	BioChemical Feedstock	0%
	Coomposting	0%
	Anaerobic Digestion	0%
	Biofuels	2%
	Linear Consumption	
	Waste T Energy	6%
	Incineration	0%
	Landfill	1%
	Special Materials	
	Mandated Waste	0%

Product Circularity

		Content	**Design**
Product circularity: 54%	Technical Materials Circularity		
	Product and Component reuse	0%	0%
	Recycling and Byproduct ynergy	8.8%	99.3%
	Close Cycle Recycling	0%	0%
	Biologic Materials Circularity		
	BioChemical Feedstock/biobased content	0%	0%
	Coomposting	-	0%
	Anaerobic Digestion	-	0%
		8.8%	99.3%

Percentage of products sold last year that can be reused or recycled: 2020



Facility Circularity Product Circularity Company Circularity

(91% + 50%)/2 = 70%

Facility Circularity

	Technical Materials Circularity	
Circularity Rate: 91%	Reduce	15%
	Reuse	25%
	Recycle	49%
	Byproduct Synergy	0%
	Biologic Materials Circularity	
	BioChemical Feedstock	0%
	Coomposting	0%
	Anaerobic Digestion	0%
	Biofuels	1.5%
	Linear Consumption	
	Waste T Energy	7%
	Incineration	0%
	Landfill	2%
	Special Materials	
	Mandated Waste	0%

Product Circularity

		Content	**Design**
Product circularity: 50%	Technical Materials Circularity		
	Product and Component reuse	1%	0%
	Recycling and Byproduct ynergy	1%	99%
	Close Cycle Recycling	0%	0%
	Biologic Materials Circularity		
	BioChemical Feedstock/biobased content	0%	0%
	Coomposting	-	0%
	Anaerobic Digestion	-	0%
		2%	99%

M240HTN01.2 Calculation

●M240HTN01.2 WT% and Recycled content

Part Name	Ave. WT	WT%	Design Recyclability	Recycled content
Front Bezel	123.7	6.6%	V	
Cell+Polarizer	495	26.2%		V (CF Glass recycled)
PCB	21.4	1.1%	X	
Frame	**37.2**	2.0%		V (40%)
Back Plate	**398**	21.1%	V	
Light Guide	621	32.9%	V	
Optical film	65	3.4%	V	
Diffuser film	98.2	5.2%	V	
Reflect sheet	28.7	1.5%	V	

●M240HTN01.2 production data and recycled calculation

Monitor 24" M240HTN01.2 No.	Production date	Production Qty (pcs)	Product weight(g)	Plastic frame weight	Plastic frame recycled content(%)	CF Glass weight(g)	CF Glass Reused content (%)
97.24M09.26P-Z19	2019/6月10日	90	1888.2	37.2	40%	201	100%
97.24M09.26R-Z19	2019/6月10日	85	1888.2	37.2	40%	201	100%
97.24M09.26P-Z19	2019/10月22日	200	1888.2	37.2	40%	0	0
97.24M09.26A-Z19	3月2日	200	1888.2	37.2	40%	0	0
97.24M09.26A-Z0M	3月5日	200	1888.2	37.2	40%	0	0
97.24M09.26A-Z19	3月30日	50	1888.2	37.2	40%	201	100%
97.24M09.26A-Z19	4月30日	700	1888.2	37.2	40%	0	0
97.24M09.26A-Z0M	5月6日	900	1888.2	37.2	40%	0	0
97.24M09.26A-Z19	5月6日	100	1888.2	37.2	40%	0	0
97.24M09.26A-Z0M	5月25日	45	1888.2	37.2	40%	201	100%

Percentage of products and materials that were actually reused or recycled by your company, or by a third party you have directly contracted with for this activity

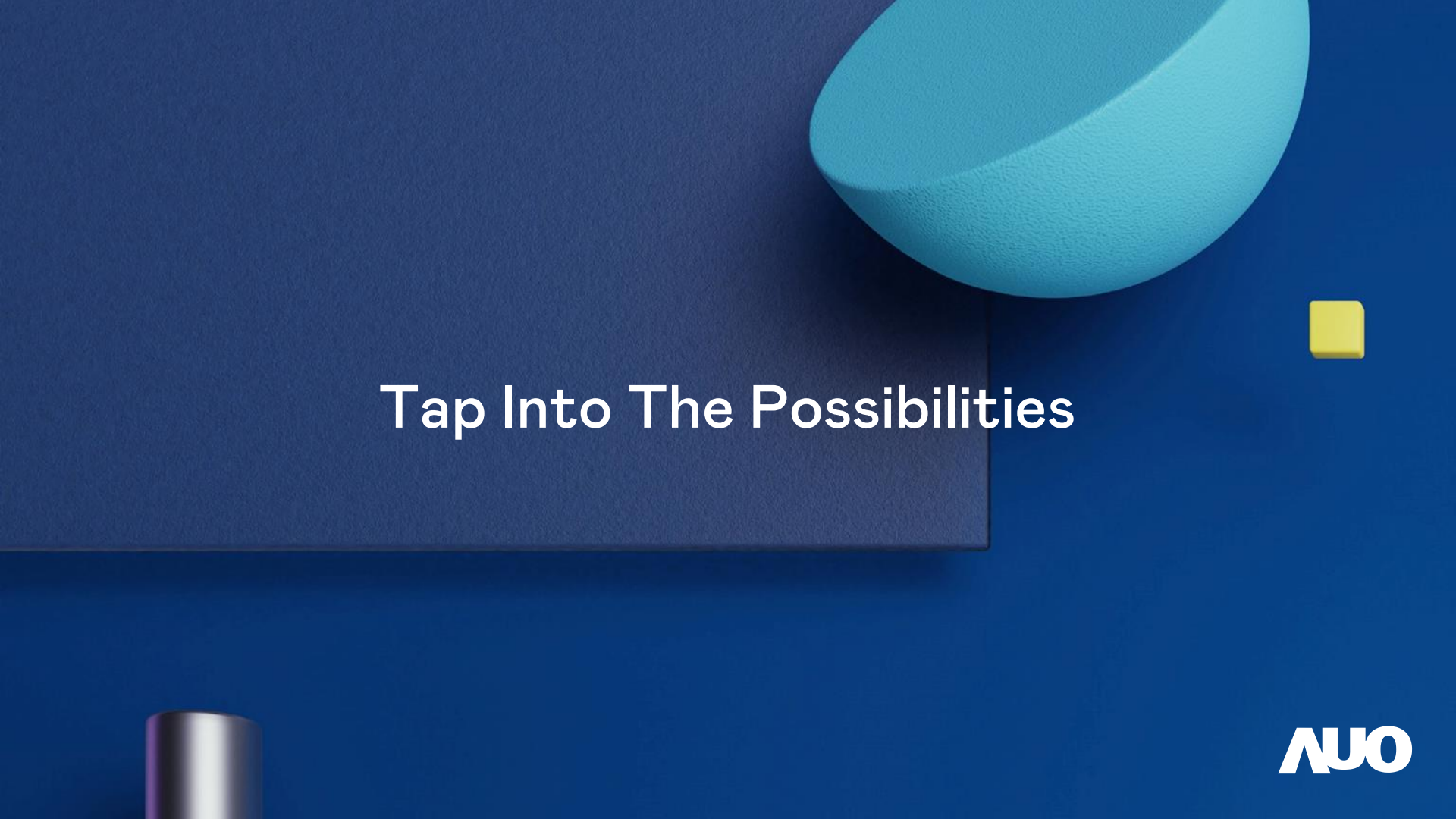
Percentage of products and materials that were actually reused or recycled by your company, or by a third party you have directly contracted with for this activity

ITEM	2023	2022	2021	2020
Return products been repaired and return to customers	42.5%	41.4%	45.9%	44.1%
Irreparable but reused into other products	48.6%	49.2%	42.6%	45.9%
Irreparable but sold to other customer	8.9%	9.4%	11.5%	10.0%
Total	100%	100%	100%	100%

Benefit for all the take-back programs combined

Benefit for all the take-back programs combined

ITEM	2023	2022	2021	2020
Total weight of electronic component recycling (tons)	20.14	31.02	-	-
Total amount of electronic component recycling (NTD)	1,685,847	605,220	416,151	327,983


Tap Into The Possibilities